

	MATERIAL SAFETY DATA SHEET prepared in accordance with Commission Regulation (EU) 2015/830 amending Regulation (EC) No 1907/2006 (REACH)			Page 1 / 10
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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier:

Trade name: **BLACK** (regarding series of products: WOOD, NUVO, CONCEPT, MAGIC LEAF, TASOTTI PAPER, EXCELLENT, ORGANIC, NATURAL FRESH, CAR FRESH CONTROL, VERSO, MAGIC WOOD, SMALL WOOD, FRAGRANT LEAF, LUXURY SERIES, CLASSIC, REFILL)

1.2. Relevant identified uses of the substance or mixture and uses advised against:

1.2.1. Relevant identified uses

Fragrance composition, air refresher

1.2.2. Uses advised against

No data

1.3. Details of the supplier of the safety data sheet:

Tasotti

Address: ul. Sudecka 4, 62-800 Kalisz

Tel.: +48 62 7536354

Fax: +48 62 7536355

e-mail: info@tasotti.com.pl

Person responsible for MSDS: Sebastian Cichy, e-mail: info@tasotti.eu

1.4. Emergency telephone number:

+48 42 631 47 25 – National Poisons Information Centre, Łódź, Poland

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

According to the Regulation (WE) no 1272/2008

Flam. Liq. 3 – Flammable liquids, Hazard Category 3 with assigned phrase H stating the type of hazard:
 H226 Flammable liquid and vapour

Skin Irrit. 2 – Skin corrosion/irritation, Hazard Category 2 with assigned phrase H stating the type of hazard:
 H315 Causes skin irritation

Eye Irrit. 2 – Serious eye damage/eye irritation, Hazard Category 2 with assigned phrase H stating the type of hazard:
 H319 Causes serious eye irritation

Skin Sens. 1 – Skin sensitisation, Hazard Category 1 with assigned phrase H stating the type of hazard:
 H317 May cause an allergic skin reaction

STOT SE 3 – Specific target organ toxicity after single exposure, Hazard Category 3, narcosis with assigned phrase H stating the type of hazard
 H336 May cause drowsiness or dizziness

Aquatic Chronic 3 – Hazardous to the aquatic environment, CHRONIC, Hazard Category 3 with assigned phrase H stating the type of hazard
 H412 Harmful to aquatic life with long lasting effects

Health hazard: irritating to skin and eyes, skin sensitizing, high concentrations of vapours may cause drowsiness and dizziness

Environmental Hazards: product classified as hazardous to environment, harmful to aquatic life with long lasting effects

Physical/chemical hazards: product contains flammable solvents, vapours form flammable mixtures with air

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2.2. Label elements

According to the Regulation (WE) 1272/2008

Pictograms:



Signal Word: Warning

Hazard statements:

H226 Flammable liquid and vapour
 H315 Causes skin irritation
 H317 May cause an allergic skin reaction
 H319 Causes serious eye irritation
 H336 May cause drowsiness or dizziness
 H412 Harmful to aquatic life with long lasting effects

Precautionary Statement:

P102 Keep out of reach of children
 P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 P264 Wash hands and face thoroughly after handling
 P333 + P313 If skin irritation or rash occurs: Get medical advice/attention
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Hazardous Ingredients: 1-methoxypropan-2-ol, benzyl salicylate, 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, α -methyl-1,3-benzodioxole-5-propionaldehyde

Allergens at content higher than 0,1 % w/w: citronellol, 2-methylundecanal, geraniol, coumarin, d-p-mentha-1(6),8-dien-2-one, citral

2.3. Other hazards:

The mixture doesn't meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.
 The mixture doesn't contain SVHC substances above 0,1 % w/w.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

The product is a mixture. Content: hazardous ingredients listed below, additives not classified as hazardous or at concentration below applicable concentrations or specific concentration limits.

The classification of hazardous substances contained in the product is given in Table 3.1 of Annex VI to the Regulation of the European Parliament and Council Regulation (EC) No 1272/2008 including it's amends, REACH data, the manufacturer and available literature data.

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No CAS	No WE	Index number	REACH registration number	Chemical name	Quantity	Hazard category	H phrases
107-98-2	203-539-1	603-064-00-3	01-2119457435-35-xxxx	1-methoxypropan-2-ol*	≤ 50 % w/w	Flam. Liq. 3, STOT SE 3	H226, 336
34590-94-8	252-104-2	not assigned	01-2119450011-60-xxxx	(2-methoxymethylethoxy) propanol*	≤ 30 % w/w	-	-
18479-58-8	242-362-4	not assigned	01-2119457274-37-xxxx	2,6-dimethyloct-7-en-2-ol	< 10 % w/w	Skin Irrit. 2, Eye Irrit. 2	H315, 319
78-69-3	201-133-9	not assigned	01-2119454788-21-xxxx	3,7-dimethyloctan-3-ol	< 5 % w/w	Skin Irrit. 2, Eye Irrit. 2	H315, 319
140-11-4	205-399-7	not assigned	01-2119638272-42-xxxx	benzyl acetate	< 5 % w/w	Aquatic Chronic 3	H412
118-58-1	204-262-9	not assigned	01-2119969442-31-xxxx	benzyl salicylate	< 5 % w/w	Eye Irrit. 2, Skin Sens. 1B, Aquatic Chronic 3	H317, 319, 412
54464-57-2	259-174-3	not assigned	01-2119489989-04-xxxx	1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	< 2 % w/w	Skin Irrit. 2, Skin Sens. 1B, Aquatic Chronic 1	H315, 317, 410
1205-17-0	214-881-6	not assigned	no data	α-methyl-1,3-benzodioxole-5-propionaldehyde	< 2 % w/w	Skin Sens. 1, Aquatic Chronic 2	H317, 411
54830-99-8	259-367-2	not assigned	no data	3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-indenyl acetate	< 2 % w/w	Aquatic Chronic 3	H412
98-86-2	202-708-7	606-042-00-1	01-2119533169-37-xxxx	acetophenone	< 2 % w/w	Acute Tox. 4 (oral), Eye Irrit. 2	H302, 319
106-22-9	203-375-0	not assigned	01-2119453995-23-xxxx	citronellol	< 0,5 w/w	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1B	H315, 317, 319
110-41-8	203-765-0	not assigned	01-2119969443-29-xxxxx	2-methylundecanal	< 0,5 % w/w	Skin Irrit. 2, Skin Sens. 1B, Aquatic Acute 1, Aquatic Chronic 1	H315, 317, 400, 410
106-24-1	203-377-1	not assigned	01-2119552430-49-xxxx	geraniol	< 0,5 % w/w	Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1B	H315, 318, 319
91-64-5	202-086-7	not assigned	01-2119943756-26-xxxx	coumarin	< 0,5 % w/w	Acute Tox. 3 (oral), Acute Tox. 3 (derm), Acute Tox. 3 (inh), Skin Sens. 1B, Aquatic Chronic 2	H301, 311, 331, 317, 411
5392-40-5	226-394-6	605-019-00-3	01-2119462829-23-xxxx	citral*	< 0,5 % w/w	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1B	H315, 317, 319
99-49-0	202-759-5	not assigned	no data	d-p-mentha-1(6),8-dien-2-one	< 0,5 % w/w	Skin Sens. 1B	H317
1589-47-5	216-455-5	603-106-00-0	no data	2-methoxypropanol	< 0,1 % w/w	Flam. Liq. 3, Repr. 1B, STOT SE 3, Skin Irrit. 2, Eye Dam. 1	H226, 360D, 335, 315, 318

M-factor for environment hazardous substance (CAS no 54464-57-2, 110-41-8)

Acute hazard: M = 1

Chronic hazard: M = 1

* Substance for which there are Community workplace exposure limits

For the wording of the listed H phrases and hazard category refer to section 16.

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SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General recommendations

In the event of health problems, immediately contact doctor. Show MSDS of product.

Never give anything by mouth to an unconscious person.

Protection of first aid responders

Do not take any action that would create a risk to the rescuer unless suitable training.

Contamination of the skin: Remove contaminated clothing. Contaminated areas of the skin wash thoroughly with water with soap. In the case of persistent irritation consult a doctor.

Contamination of the eye: Flush contaminated eyes with wide-open eyelids a continuous stream of water for about 15 minutes. Remove contact lenses, if present and easy to do. In the case of persistent irritation consult an ophthalmologist.

Inhalation: Remove victim from exposure, provide fresh air. Place victim in a reclining position. If breathing is difficult, give oxygen, in the absence of breath use artificial respiration. Seek medical advice immediately.

Ingestion: Rinse mouth thoroughly with water. Do not induce vomiting. Give to drink a glass of water. Contact with doctor immediately and show product label.

4.2. Most important symptoms and effects, both acute and delayed

Acute symptoms – product can causes irritation of skin and eyes

Delayed symptoms – prolonged or repeated contact with product may cause allergic skin reaction

Effects of exposure – inhalation of high concentrations of vapours may cause drowsiness and dizziness

4.3. Indication of any immediate medical attention and special treatment needed

Note to Physician: No specific antidote, treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing agents: CO₂, powders and foam alcohol resistant, water spray

Small fire extinguished with carbon dioxide (CO₂) or powder (ABC or BC), a large fire - use foam or water currents eventually dispersed. Precipitated mixture of fumes by dispersed water jets.

Extinguishing media which must not be used for safety reasons: a strong jet of water – the risk of fire spreading and environment contamination

5.2. Special hazards arising from the substance or mixture

The combustion of the product may produce carbon oxides and other toxic gases. Avoid inhalation of combustion products, may pose a threat to health.

5.3. Advice for fire-fighters: strictly apply the breathing apparatus and protective clothing for fire fighting or during clean-up work immediately after a fire in an enclosed or poorly ventilated areas.

General: inform about the fire, call the appropriate emergency services. Remove from the endangered area unauthorized persons, not involved in extinguishing the fire, order evacuation if necessary.

Additional notes: vapours of product form flammable/explosive mixtures with air. Vapours are heavier than air, accumulate at the surface of the earth and lower parts of the rooms. Tanks and packaging which are not covered by the fire, exposed to fire or high temperature should be cooled by water from a safe distance (risk of explosion), and if possible removed from the hazardous area. Fire residues and contaminated waters dispose in according to applicable regulations. Do not introduce contaminated waters into drains.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with releasing product. Avoid contact with skin and eyes. Avoid breathing vapours.

Use personal protective equipment, especially respiratory protection in case of vapour/fumes/aerosols of product. Inform about the accident, call the appropriate emergency services (e.g. Fire Brigade, Police). Remove from the hazardous area all persons not taking part in the emergency, order evacuation if necessary. Remove sources of ignition, announce prohibition of smoking and using sparking tools. Provide adequate ventilation.

6.2. Environmental precautions

Do not allow to enter drains, groundwater, soil and open water courses. Spilled product protect against spreading using dams or barriers. In case of water contamination inform local authorities.

6.3. Methods and material for containment and cleaning up

In case of container leakage, spillage of the product, protect the source of leak, pour the product into an empty container or place damaged container in an emergency one. Remove all possible sources of ignition in the zone of danger. Small amounts of spilled product soak up with non-flammable, absorbent material (sand, diatomite, universal binders, etc.) gather in closed container for disposal and utilized. Perform clean up work with adequate ventilation. Contaminated surface rinse with water with detergent.

6.4. Reference to other sections

Personal protective equipment – section 8

Waste disposal – section 13

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with liquid, avoid vapour inhalation. Ensure adequate ventilation /exhaust in the workplace, prevent the formation of harmful concentrations of vapour in the air, work in well ventilated areas. Observe good personal hygiene and wear protective clothing in accordance with information set out in section 8.

Special measures for protection against fire and explosion: Prevent formation of flammable /explosive concentrations of vapour in the air, eliminate sources of ignition - don't use open flames, don't smoke.

Industrial hygiene

- ensure good ventilation (overall and local exhausted ventilation),
- ensure place for eyes and skin rinsing,
- wash hands with soap and water before eating, smoking and after work,
- use general caution while working with chemical substances.

7.2. Conditions for safe storage, including any incompatibilities

Store only in properly labelled, sealed containers in a well ventilated warehouse.

Protect against heat, contact with potential sources of ignition, direct sunlight.

At the warehouse not smoke, eat, use open flame and sparking tools.

7.3. Specific end use(s)

Fragrance composition

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational Exposure Limit Value (Poland):

Hazardous Ingredients	No CAS	LTET, mg/m ³	STEL, mg/m ³
1-methoxypropan-2-ol	107-98-2	180	360
(2-methoxymethylethoxy) propanol	34590-94-8	240	480
citral	5392-40-5	27	54

8.2. Exposure controls

Technical exposure controls:

Use engineering controls to reduce air contamination to permissible exposure level.
 Explosion-proof general and local exhaust ventilation.

Personal protection:

8.2.1. Professional users (production, transport, storage):

a) Respiratory protection – is not necessary under normal conditions with sufficient ventilation, required during exposure to high concentrations of vapours. Wear mask or respirator completed with the filter type A

b) Hand protection – required protective gloves in case of prolonged or frequently repeated exposure to the product. Wear protective gloves made of: butyl rubber, neoprene, nitrile rubber, polyvinylchloride, thickness min. 0,4 – 0,7mm. The Breakthrough Time > 480 min. Material of gloves must be resistant to the product. As the product is a mixture of several substances, the resistance of material of gloves can not be calculated in advance and therefore has to be checked before use. From the manufacturer's advice should be obtained information about the time of the penetration of substances and such time must be respected. The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. It is recommended to change gloves and replace them immediately if you notice any signs of wear, damage (rupture, perforation) or changes in appearance (color, flexibility, shape).

c) Eye protection – recommended protective glasses

d) Skin protection – recommended protective clothing

8.2.2. Consumer user (use of handling packaging):

There aren't required special protection, it's recommended to wash hands after contact with product before eating or smoking

Environmental exposure controls:

Do not allow to enter large amounts of product into ground water, sewage, waste water or soil.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:	liquid
Odour:	characteristic
Odour threshold:	no data
pH:	no data
Melting point/freezing point:	no data
Initial boiling point and boiling range:	no data
Flash point:	> 35°C
Evaporation rate:	no data
Flammability:	product contains flammable components
Upper/lower flammability or explosive limits:	no data
Vapour pressure:	no data
Vapour density:	no data

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Density: no data
Solubility in water: no data
Solubility in other solvents: no data
Partition coefficient: n-octanol/water: no data
Auto-ignition temperature: no data
Decomposition temperature: no data
Viscosity: no data
Explosive properties: no data
Oxidising properties: no data

9.2. Other information no data

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data

10.2. Chemical stability

Stable under normal conditions (see Section 7 - storage conditions)

10.3. Possibility of hazardous reactions

No data

10.4 Conditions to avoid

Open flame, other ignition sources.

10.5. Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

Acute toxicity:

Acute Oral Toxicity: No data available for product

Acute Dermal Toxicity: No data available for product

Acute Inhalation Toxicity: No data available for product

Acute toxicity of hazardous components:

Acute Oral Toxicity LD50 (rat): 500 mg/kg (regarding acetophenone)

Acute Oral Toxicity LD50 (rat): 293 mg/kg (regarding coumarin)

ATE value (estimated) after swallowing > 2000 mg/kg – product isn't classified as acute toxicity (swallowing) hazardous acc. to Regulation (EC) No 1272/2008

ATE value (estimated) after skin contact > 2000 mg/kg – product isn't classified as acute toxicity (skin contact) hazardous acc. to Regulation (EC) No 1272/2008

ATE value (estimated) after inhalation > 20 mg/dm³/4h (vapours) – product isn't classified as acute toxicity (inhaled) hazardous acc. to Regulation (EC) No 1272/2008

Skin corrosion/irritation: product classified as irritant (hazard category 2)

Serious eye damage/irritation: product classified as irritant (hazard category 2)

Respiratory or skin sensitisation: product classified as skin sensitizing. It contains allergens: benzyl salicylate, 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, geraniol, coumarin, α -methyl-1,3-benzodioxole-5-propionaldehyde, citronellol, 2-methylundecanal, d-p-mentha-1(6),8-dien-2-one, citral

Germ cell mutagenicity: hazardous ingredients of the product aren't mentioned on the list of mutagenic

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substances

Carcinogenicity: hazardous ingredients of the product aren't mentioned on the list of carcinogenic substances

Reproductive toxicity: product contains hazardous ingredient mentioned on the list of reproductive toxicity substances: 2-methoxypropanol at content lower than classification level (< 0,3 % w/w)

STOT-single exposure: product classifies as hazardous – narcosis (hazard category 3), inhalation of high concentrations of vapours may cause drowsiness and dizziness

STOT-repeated exposure: no data available

Aspiration hazard: not classified as hazardous. May be fatal if swallowed and enters airways. Product of low viscosity. Ingestion causes abdominal pain, vomiting with aspiration risk and aspiration pneumonia

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity: no data for product

12.2. Persistence and degradability: no data for product

12.3. Bioaccumulative potential: no data for product

12.4. Mobility in soil: no data for product

12.5. Results of PBT and vPvB assessment: ingredients of product don't meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

12.6. Other adverse effects:

Product classified as harmful to the aquatic environment, may cause long-term adverse effects in the aquatic environment. In trade form product poses high risk to the environment.

Take all care that the product has not penetrated into the soil, drinking water sources, water tanks etc.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

Dispose of waste in accordance with all Federal, State and Local regulations.

Waste of product: communicate with the manufacturer of the product on the possibility of processing waste. If it's not possible, deliver it to utilization in plants permitted to waste collection, transport, waste recovery and disposal. Do not empty into drains. Recovery or disposal of waste product should be made in accordance with applicable regulations.

Disposing of the packaging: it is prohibited to burn them on the ground. Act like with waste of product.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number:

1266

14.2. UN proper shipping name:

PERFUMERY PRODUCTS with flammable solvents

14.3. Transport hazard class:

3

14.4. Packing group:

III

14.5. Environmental hazards:

no

14.6. Special precautions for user:

see section 7.1.

Overland transport ADR

Classification code:

F1

Warning label:

3

Code of movement restriction through underpass:

D/E

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code:

no data



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SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council from 18.12.2006 concerning the Registration, Evaluation, Authorization and Restriction from Chemicals (REACH)
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
- Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- Commission Regulation (EC) No 790/2009 of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- Commission Regulation (EU) No 286/2011 of 10 March 2011 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- Commission Regulation (EU) No 618/2012 of 10 July 2012 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- Commission Regulation (EU) No 487/2013 of 8 May 2013 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- Commission Regulation (EU) No 944/2013 of 2 October 2013 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- Commission Regulation (EU) No 605/2014 of 5 June 2014 amending, for the purposes of introducing hazard and precautionary statements in the Croatian language and its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- European agreement concerning international road transport of dangerous products (ADR)
Federal, State and Local regulations.

15.2. Chemical safety assessment

Chemical safety assessment was not made for the product

SECTION 16. OTHER INFORMATION

Explanation of symbols and phrases referring hazardous substances contained in product:

Flam. Liq. 3 Flammable liquids, Hazard Category 3
 Acute Tox. 3 (oral) Acute Toxicity (swallowing) Hazard Category 3
 Acute Tox. 4 (oral) Acute Toxicity (swallowing) Hazard Category 4
 Acute Tox. 4 (derm) Acute Toxicity (skin contact) Hazard Category 4
 Acute Tox. 3 (inh) Acute Toxicity (inhalation) Hazard Category 3
 Acute Tox. 4 (inh) Acute Toxicity (inhalation) Hazard Category 4
 Skin Irrit. 2 Skin corrosion/irritation, Hazard Category 2
 Eye Dam. 1 Serious eye damage/eye irritation, Hazard Category 1
 Eye Irrit. 2 Serious eye damage/eye irritation, Hazard Category 2
 Skin Sens. 1 Skin Sensitizing, Hazard Category 1
 Repr. 1B Reproductive toxicity, Hazard Category 1B
 STOT SE 3 Specific target organ toxicity – Single exposure, Hazard Category 3
 Asp. Tox. 1 Aspiration hazard, Hazard Category 1
 Aquatic Acute 1 Hazardous to the aquatic environment – Acute, Hazard Category 1
 Aquatic Chronic 1 Hazardous to the aquatic environment – Chronic, Hazard Category 1
 Aquatic Chronic 2 Hazardous to the aquatic environment – Chronic, Hazard Category 2

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Aquatic Chronic 3 Hazardous to the aquatic environment – Chronic, Hazard Category 3

H226 Flammable liquid and vapour
 H301 Toxic if swallowed
 H302 Harmful if swallowed
 H304 May be fatal if swallowed and enters airways
 H312 Harmful in contact with skin
 H315 Causes skin irritation
 H317 May cause an allergic skin reaction
 H318 Causes serious eye damage
 H319 Causes serious eye irritation
 H331 Toxic if inhaled
 H332 Harmful if inhaled
 H335 May cause respiratory irritation
 H336 May cause drowsiness or dizziness
 H360D May damage the unborn child
 H400 Very toxic to aquatic life
 H410 Very toxic to aquatic life with long lasting effects
 H411 Toxic to aquatic life with long lasting effects
 H412 Harmful to aquatic life with long lasting effects

Explanation of abbreviations and acronyms used in the MSDS:

CAS – Chemical Abstracts Service

WE – the number assigned to chemicals in the European Inventory of Existing Commercial Chemical Substances or European List of Notified Chemical Substances, or in the list of chemicals listed in the publication of "No-longer polymers"

STEL – short term exposure limits maximum of a substance harmful to health in the workplace

LTEL – long term exposure limits maximum of a substance harmful to health in the workplace

PBT – persistence, bioaccumulation potential and toxicity

vPvB – very high durability and very bioaccumulative

UN number – identification number of the material (the number of UN, UN number)

ADR – European Agreement concerning the international carriage of dangerous goods by road

MSDS was prepared in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Classification of product was made based on physical-chemical properties and content of hazardous components, according to the Regulation (EC) No 1272/2008.

Training: persons, who work with this product, should be trained respecting to properties and way of use this product. Use appropriately according to producer data.

Source of data: this MSDS was prepared based on MSDS of ingredients, data of product, our knowledge and experience according to actual legislation.

ECHA European Chemicals Agency

Botanic, Cosmetic, Flavor and Fragrance Ingredient Information

Recommendation and restriction of use: Use according to label. Additional safety information available at producer.

Disclaimer: information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. End user is responsible for inappropriate use of information enclosed in MSDS or inappropriate use of product.

Update 03.11.2015 regarding section 1 – 16.

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier:

Trade name: **COCONUT & MARACUJA** (regarding series of products: WOOD, NUVO, CONCEPT, MAGIC LEAF, TASOTTI PAPER, EXCELLENT, ORGANIC, NATURAL FRESH, CAR FRESH CONTROL, VERSO, MAGIC WOOD, SMALL WOOD, FRAGRANT LEAF, LUXURY SERIES, CLASSIC, REFILL)

1.2. Relevant identified uses of the substance or mixture and uses advised against:

1.2.1. Relevant identified uses

Fragrance composition, air refresher

1.2.2. Uses advised against

No data

1.3. Details of the supplier of the safety data sheet:

Tasotti

Address: ul. Sudecka 4, 62-800 Kalisz

Tel.: +48 62 7536354

Fax: +48 62 7536355

e-mail: info@tasotti.com.pl

Person responsible for MSDS: Sebastian Cichy, e-mail: info@tasotti.eu

1.4. Emergency telephone number:

+48 42 631 47 25 – National Poisons Information Centre, Łódź, Poland

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

According to the Regulation (WE) no 1272/2008

Flam. Liq. 3 – Flammable liquids, Hazard Category 3 with assigned phrase H stating the type of hazard:
 H226 Flammable liquid and vapour

Skin Irrit. 2 – Skin corrosion/irritation, Hazard Category 2 with assigned phrase H stating the type of hazard:
 H315 Causes skin irritation

Eye Irrit. 2 – Serious eye damage/eye irritation, Hazard Category 2 with assigned phrase H stating the type of hazard: H319 Causes serious eye irritation

Skin Sens. 1 – Skin sensitisation, Hazard Category 1 with assigned phrase H stating the type of hazard:
 H317 May cause an allergic skin reaction

STOT SE 3 – Specific target organ toxicity after single exposure, Hazard Category 3, narcosis with assigned phrase H stating the type of hazard: H336 May cause drowsiness or dizziness

Aspiration hazard, Hazard Category 1; with assigned phrase stating the type of hazard
 H304 May be fatal if swallowed and enters airways

Aquatic Chronic 2 – Hazardous to the aquatic environment, CHRONIC, Hazard Category 2 with assigned phrase H stating the type of hazard
 H411 Toxic to aquatic life with long lasting effects

Health hazard: irritating to skin and eyes, skin sensitizing, high concentrations of vapours may cause drowsiness and dizziness, may be fatal if swallowed and enters airways

Environmental Hazards: product classified as hazardous to environment, toxic to aquatic life with long lasting effects

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Physical/chemical hazards: product contains flammable solvents, vapours form flammable mixtures with air

2.2. Label elements

According to the Regulation (WE) 1272/2008

Pictograms:



Signal Word: Danger

Hazard statements:

H226 Flammable liquid and vapour
 H304 May be fatal if swallowed and enters airways
 H315 Causes skin irritation
 H317 May cause an allergic skin reaction
 H319 Causes serious eye irritation
 H336 May cause drowsiness or dizziness
 H411 Toxic to aquatic life with long lasting effects

Precautionary Statement:

P102 Keep out of reach of children
 P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 P264 Wash hands and face thoroughly after handling
 P273 Avoid release to the environment
 P333 + P313 If skin irritation or rash occurs: Get medical advice/attention
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 P331 Do NOT induce vomiting

Hazardous Ingredients: 1-methoxypropan-2-ol, limonene, 4-methoxybenzyl alcohol, methyl anthranilate

Allergens at content higher than 0,1 % w/w: ethyl 2,3-epoxy-3-phenylbutyrate, allyl 3-cyclohexylpropionate, pin-2(3)-ene, d-p-mentha-1(6),8-dien-2-one, citral

2.3. Other hazards:

The mixture doesn't meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.
 The mixture doesn't contain SVHC substances above 0,1 % w/w.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

The product is a mixture. Content: hazardous ingredients listed below, additives not classified as hazardous or at concentration below applicable concentrations or specific concentration limits.

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The classification of hazardous substances contained in the product is given in Table 3.1 of Annex VI to the Regulation of the European Parliament and Council Regulation (EC) No 1272/2008 including it's amends, REACH data, the manufacturer and available literature data.

No CAS	No WE	Index number	REACH registration number	Chemical name	Quantity	Hazard category	H phrases
107-98-2	203-539-1	603-064-00-3	01-2119457435-35-xxxx	1-methoxypropan-2-ol*	≤ 30 % w/w	Flam. Liq. 3, STOT SE 3	H226, 336
34590-94-8	252-104-2	not assigned	01-2119450011-60-xxxx	(2-methoxymethylethoxy) propanol*	≤ 30 % w/w	-	-
34590-94-8	252-104-2	not assigned	01-2119450011-60-xxxx	(2-metoksymetyloetoksy)-propanol*	≤ 30 % w/w	-	-
138-86-3	205-341-0	601-029-00-7	01-2119529223-47-xxxx	dipentene / limonene	< 20 % w/w	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1B, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1	H226, 304, 315, 317, 400, 410
104-21-2	203-185-8	not assigned	no data	p-methoxybenzyl acetate	< 2 % w/w	Skin Irrit. 2, Eye Irrit. 2	H315, 319
4940-11-8	225-582-5	not assigned	no data	2-ethyl-3-hydroxy-4-pyrone	< 2 % w/w	Acute Tox. 4 (oral)	H302
105-13-5	203-273-6	not assigned	01-2119934494-33-xxxx	4-methoxybenzyl alcohol	< 2 % w/w	Acute Tox. 4 (oral), Eye Dam. 1, Skin Sens. 1B	H302, 317, 318
121-33-5	204-465-2	not assigned	01-2119516040-60-xxxx	vanilin	< 2 % w/w	Eye Irrit. 2	H319
10094-34-5	233-221-8	not assigned	no data	α,α-dimethylphenethyl butyrate	< 2 % w/w	Aquatic Chronic 2	H411
104-67-6	203-225-4	not assigned	01-2119959333-34-xxxx	undecan-4-olide	< 2 % w/w	Aquatic Chronic 3	H412
134-20-3	205-132-4	not assigned	no data	methyl anthranilate	< 2 % w/w	Skin Sens. 1B, Aquatic Chronic 2	H317, 411
68901-15-5	272-657-3	not assigned	no data	allyl (cyclohexyloxy)acetate	< 2 % w/w	Acute Tox. 4 (oral), Skin Irrit. 2, Aquatic Chronic 3	H302, 315, 412
123-68-2	204-642-4	not assigned	01-2119983573-26-xxxx	allyl hexanoate	< 0,5 % w/w	Acute Tox. 3 (oral), Acute Tox. 3 (derm), Acute Tox. 3 (inh), Aquatic Acute 1, Aquatic Chronic 3	H301, 311, 331, 400, 412
77-83-8	201-061-8	not assigned	01-2119967770-28-xxxx	ethyl 2,3-epoxy-3-phenylbutyrate	< 0,5 % w/w	Skin Sens. 1B, Aquatic Chronic 2	H317, 411
2705-87-5	220-292-5	not assigned	no data	allyl 3-cyclohexylpropionate	< 0,5 % w/w	Acute Tox. 4 (oral), Acute Tox. 4 (derm), Acute Tox. 4 (inh), Skin Sens. 1B, Aquatic Acute 1, Aquatic Chronic 1	H302, 312, 317, 332, 400, 410
142-19-8	205-527-1	not assigned	01-2119488961-23-xxxx	allyl heptanoate	< 0,5 % w/w	Acute Tox. 3 (oral), Acute Tox.3 (derm), Acute Tox. 3 (inh), Aquatic Acute 1, Aquatic Chronic 3	H301, 311, 331, 400, 412
99-49-0	202-759-5	not assigned	no data	d-p-mentha-1(6),8-dien-2-one	< 0,5 % w/w	Skin Sens. 1B	H317
80-56-8	201-291-9	not assigned	01-2119519223-49-xxxx	pin-2(3)-ene	< 0,5 % w/w	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1 Asp. Tox. 1	H226, 304, 315, 317
5392-40-5	226-394-6	605-019-00-3	01-2119462829-23-xxxx	citral*	< 0,5 % w/w	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1B	H315, 317, 319

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1589-47-5	216-455-5	603-106-00-0	no data	2-methoxypropanol	< 0,1 % w/w	Flam. Liq. 3, Repr. 1B, STOT SE 3, Skin Irrit. 2, Eye Dam. 1	H226, 360D, 335, 315, 318
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M-factor for environment hazardous substance (CAS no 138-86-3, 123-68-2, 142-19-8, 2705-87-5)

Acute hazard: M = 1

Chronic hazard: M = 1

* Substance for which there are Community workplace exposure limits

For the wording of the listed H phrases and hazard category refer to section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General recommendations

In the event of health problems, immediately contact doctor. Show MSDS of product.

Never give anything by mouth to an unconscious person.

Protection of first aid responders

Do not take any action that would create a risk to the rescuer unless suitable training.

Contamination of the skin: Remove contaminated clothing. Contaminated areas of the skin wash thoroughly water with soap. In the case of persistent irritation consult a doctor.

Contamination of the eye: Flush contaminated eyes with wide-open eyelids a continuous stream of water for about 15 minutes. Remove contact lenses, if present and easy to do. In the case of persistent irritation consult an ophthalmologist.

Inhalation: Remove victim from exposure, provide fresh air. Place victim in a reclining position. If breathing is difficult, give oxygen, in the absence of breath use artificial respiration. Seek medical advice immediately.

Ingestion: Rinse mouth thoroughly with water. Do not induce vomiting. Give to drink a glass of water. Contact with doctor immediately and show product label.

4.2. Most important symptoms and effects, both acute and delayed

Acute symptoms – product can causes irritation of skin and eyes. Ingestion causes abdominal pain, vomiting with aspiration risk and aspiration pneumonia

Delayed symptoms – prolonged or repeated contact with product may cause allergic skin reaction

Effects of exposure – inhalation of high concentrations of vapours may cause drowsiness and dizziness

4.3. Indication of any immediate medical attention and special treatment needed

Note to Physician: No specific antidote, treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing agents: CO₂, powders and foam alcohol resistant, water spray

Small fire extinguished with carbon dioxide (CO₂) or powder (ABC or BC), a large fire - use foam or water currents eventually dispersed. Precipitated mixture of fumes by dispersed water jets.

Extinguishing media which must not be used for safety reasons: a strong jet of water – the risk of fire spreading and environment contamination

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5.2. Special hazards arising from the substance or mixture

The combustion of the product may produce carbon oxides and other toxic gases. Avoid inhalation of combustion products, may pose a threat to health.

5.3. Advice for fire-fighters: strictly apply the breathing apparatus and protective clothing for fire fighting or during clean-up work immediately after a fire in an enclosed or poorly ventilated areas.

General: inform about the fire, call the appropriate emergency services. Remove from the endangered area unauthorized persons, not involved in extinguishing the fire, order evacuation if necessary.

Additional notes: vapours of product form flammable/explosive mixtures with air. Vapours are heavier than air, accumulate at the surface of the earth and lower parts of the rooms. Tanks and packaging which are not covered by the fire, exposed to fire or high temperature should be cooled by water from a safe distance (risk of explosion), and if possible removed from the hazardous area. Fire residues and contaminated waters dispose in according to applicable regulations. Do not introduce contaminated waters into drains.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with releasing product. Avoid contact with skin and eyes. Avoid breathing vapours. Use personal protective equipment, especially respiratory protection in case of vapour/fumes/aerosols of product. Inform about the accident, call the appropriate emergency services (e.g. Fire Brigade, Police). Remove from the hazardous area all persons not taking part in the emergency, order evacuation if necessary. Remove sources of ignition, announce prohibition of smoking and using sparking tools. Provide adequate ventilation.

6.2. Environmental precautions

Do not allow to enter drains, groundwater, soil and open water courses. Spilled product protect against spreading using dams or barriers. In case of water contamination inform local authorities.

6.3. Methods and material for containment and cleaning up

In case of container leakage, spillage of the product, protect the source of leak, pour the product into an empty container or place damaged container in an emergency one. Remove all possible sources of ignition in the zone of danger. Small amounts of spilled product soak up with non-flammable, absorbent material (sand, diatomite, universal binders, etc.) gather in closed container for disposal and utilized. Perform clean up work with adequate ventilation. Contaminated surface rinse with water with detergent.

6.4. Reference to other sections

Personal protective equipment – section 8

Waste disposal – section 13

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with liquid, avoid vapour inhalation. Ensure adequate ventilation /exhaust in the workplace, prevent the formation of harmful concentrations of vapour in the air, work in well ventilated areas. Observe good personal hygiene and wear protective clothing in accordance with information set out in section 8.

Special measures for protection against fire and explosion: Prevent formation of flammable /explosive concentrations of vapour in the air, eliminate sources of ignition - don't use open flames, don't smoke.

Industrial hygiene

- ensure good ventilation (overall and local exhausted ventilation),
- ensure place for eyes and skin rinsing,
- wash hands with soap and water before eating, smoking and after work,
- use general caution while working with chemical substances.

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7.2. Conditions for safe storage, including any incompatibilities

Store only in properly labelled, sealed containers in a well ventilated warehouse.

Protect against heat, contact with potential sources of ignition, direct sunlight.

At the warehouse not smoke, eat, use open flame and sparking tools.

7.3. Specific end use(s)

Fragrance composition

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational Exposure Limit Value (Poland):

Hazardous Ingredients	No CAS	LTET, mg/m ³	STEL, mg/m ³
1-methoxypropan-2-ol	107-98-2	180	360

(2-methoxymethylethoxy) propanol	34590-94-8	240	480
citral	5392-40-5	27	54

8.2. Exposure controls

Technical exposure controls:

Use engineering controls to reduce air contamination to permissible exposure level.

Explosion-proof general and local exhaust ventilation.

Personal protection:

8.2.1. Professional users (production, transport, storage):

a) Respiratory protection – is not necessary under normal conditions with sufficient ventilation, required during exposure to high concentrations of vapours. Wear mask or respirator completed with the filter type A

b) Hand protection – required protective gloves in case of prolonged or frequently repeated exposure to the product. Wear protective gloves made of: butyl rubber, neoprene, nitrile rubber, polyvinylchloride, thickness min. 0,4 – 0,7mm. The Breakthrough Time > 480 min. Material of gloves must be resistant to the product. As the product is a mixture of several substances, the resistance of material of gloves can not be calculated in advance and therefore has to be checked before use. From the manufacturer's advice should be obtained information about the time of the penetration of substances and such time must be respected. The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. It is recommended to change gloves and replace them immediately if you notice any signs of wear, damage (rupture, perforation) or changes in appearance (color, flexibility, shape).

c) Eye protection – recommended protective glasses

d) Skin protection – recommended protective clothing

8.2.2. Consumer user (use of handling packaging):

There aren't required special protection, it's recommended to wash hands after contact with product before eating or smoking

Environmental exposure controls:

Do not allow to enter large amounts of product into ground water, sewage, waste water or soil.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:	liquid
Odour:	characteristic
Odour threshold:	no data
pH:	no data

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Melting point/freezing point:	no data
Initial boiling point and boiling range:	no data
Flash point:	> 35°C
Evaporation rate:	no data
Flammability:	product contains flammable components
Upper/lower flammability or explosive limits:	no data
Vapour pressure:	no data
Vapour density:	no data
Density:	no data
Solubility in water:	no data
Solubility in other solvents:	no data
Partition coefficient: n-octanol/water:	no data
Auto-ignition temperature:	no data
Decomposition temperature:	no data
Viscosity:	no data
Explosive properties:	no data
Oxidising properties:	no data

9.2. Other information no data

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data

10.2. Chemical stability

Stable under normal conditions (see Section 7 - storage conditions)

10.3. Possibility of hazardous reactions

No data

10.4 Conditions to avoid

Open flame, other ignition sources.

10.5. Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

Acute toxicity:

Acute Oral Toxicity: No data available for product

Acute Dermal Toxicity: No data available for product

Acute Inhalation Toxicity: No data available for product

Acute toxicity of hazardous components:

Acute Oral Toxicity LD50 (rat): 280 mg/kg (regarding allyl hexanoate)

Acute Dermal Toxicity LD50 (rat): 820 mg/kg (regarding allyl hexanoate)

ATE value (estimated) after swallowing > 2000 mg/kg – product isn't classified as acute toxicity (swallowing) hazardous acc. to Regulation (EC) No 1272/2008

ATE value (estimated) after skin contact > 2000 mg/kg – product isn't classified as acute toxicity (skin contact) hazardous acc. to Regulation (EC) No 1272/2008

ATE value (estimated) after inhalation > 20 mg/dm³/4h (vapours) – product isn't classified as acute toxicity

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(inhaled) hazardous acc. to Regulation (EC) No 1272/2008

Skin corrosion/irritation: product classified as irritant (hazard category 2)

Serious eye damage/irritation: product classified as irritant (hazard category 2)

Respiratory or skin sensitisation: product classified as skin sensitizing. It contains allergens: limonene, 4-methoxybenzyl alcohol, methyl anthranilate, ethyl 2,3-epoxy-3-phenylbutyrate, allyl 3-cyclohexylpropionate, pin-2(3)-ene, d-p-mentha-1(6),8-dien-2-one, citral

Germ cell mutagenicity: hazardous ingredients of the product aren't mentioned on the list of mutagenic substances

Carcinogenicity: hazardous ingredients of the product aren't mentioned on the list of carcinogenic substances

Reproductive toxicity: product contains hazardous ingredient mentioned on the list of reproductive toxicity substances: 2-methoxypropanol at content lower than classification level (< 0,3 % w/w)

STOT-single exposure: product classifies as hazardous – narcosis (hazard category 3), inhalation of high concentrations of vapours may cause drowsiness and dizziness

STOT-repeated exposure: no data available

Aspiration hazard: classified as hazardous. May be fatal if swallowed and enters airways. Product of low viscosity. Ingestion causes abdominal pain, vomiting with aspiration risk and aspiration pneumonia

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity: no data for product

12.2. Persistence and degradability: no data for product

12.3. Bioaccumulative potential: no data for product

12.4. Mobility in soil: no data for product

12.5. Results of PBT and vPvB assessment: ingredients of product don't meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

12.6. Other adverse effects:

Product classified as hazardous to environment, very toxic to aquatic life with long lasting effects. In trade form product poses high risk to the environment.

Take all care that the product has not penetrated into the soil, drinking water sources, water tanks etc.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

Dispose of waste in accordance with all Federal, State and Local regulations.

Waste of product: communicate with the manufacturer of the product on the possibility of processing waste. If it's not possible, deliver it to utilization in plants permitted to waste collection, transport, waste recovery and disposal. Do not empty into drains. Recovery or disposal of waste product should be made in accordance with applicable regulations.

Disposing of the packaging: it is prohibited to burn them on the ground. Act like with waste of product.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number:

1266

14.2. UN proper shipping name:

PERFUMERY PRODUCTS with flammable solvents

14.3. Transport hazard class:

3

14.4. Packing group:

III

14.5. Environmental hazards:

yes

14.6. Special precautions for user:

see section 7.1.



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Overland transport ADR

Classification code: F1

Warning label: 3

Code of movement restriction through underpass: D/E

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code: no data

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council from 18.12.2006 concerning the Registration, Evaluation, Authorization and Restriction from Chemicals (REACH)
 - Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
 - Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
 - Commission Regulation (EC) No 790/2009 of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
 - Commission Regulation (EU) No 286/2011 of 10 March 2011 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
 - Commission Regulation (EU) No 618/2012 of 10 July 2012 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
 - Commission Regulation (EU) No 487/2013 of 8 May 2013 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
 - Commission Regulation (EU) No 944/2013 of 2 October 2013 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
 - Commission Regulation (EU) No 605/2014 of 5 June 2014 amending, for the purposes of introducing hazard and precautionary statements in the Croatian language and its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
 - European agreement concerning international road transport of dangerous products (ADR)
- Federal, State and Local regulations.*

15.2. Chemical safety assessment

Chemical safety assessment was not made for the product

SECTION 16. OTHER INFORMATION

Explanation of symbols and phrases referring hazardous substances contained in product:

Flam. Liq. 3 Flammable liquids, Hazard Category 3
 Acute Tox. 3 (oral) Acute Toxicity (swallowing) Hazard Category 3
 Acute Tox. 4 (oral) Acute Toxicity (swallowing) Hazard Category 4
 Acute Tox. 4 (derm) Acute Toxicity (skin contact) Hazard Category 4
 Acute Tox. 3 (inh) Acute Toxicity (inhalation) Hazard Category 3
 Acute Tox. 4 (inh) Acute Toxicity (inhalation) Hazard Category 4
 Skin Irrit. 2 Skin corrosion/irritation, Hazard Category 2
 Eye Dam. 1 Serious eye damage/eye irritation, Hazard Category 1
 Eye Irrit. 2 Serious eye damage/eye irritation, Hazard Category 2
 Skin Sens. 1 Skin Sensitizing, Hazard Category 1

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Repr. 1B Reproductive toxicity, Hazard Category 1B
 Repr 2 Reproductive toxicity, Hazard Category 2
 STOT SE 3 Specific target organ toxicity – Single exposure, Hazard Category 3
 Asp. Tox. 1 Aspiration hazard, Hazard Category 1
 Aquatic Acute 1 Hazardous to the aquatic environment – Acute, Hazard Category 1
 Aquatic Chronic 1 Hazardous to the aquatic environment – Chronic, Hazard Category 1
 Aquatic Chronic 2 Hazardous to the aquatic environment – Chronic, Hazard Category 2
 Aquatic Chronic 3 Hazardous to the aquatic environment – Chronic, Hazard Category 3

H226 Flammable liquid and vapour
 H301 Toxic if swallowed
 H302 Harmful if swallowed
 H304 May be fatal if swallowed and enters airways
 H312 Harmful in contact with skin
 H315 Causes skin irritation
 H317 May cause an allergic skin reaction
 H318 Causes serious eye damage
 H319 Causes serious eye irritation
 H331 Toxic if inhaled
 H332 Harmful if inhaled
 H335 May cause respiratory irritation
 H336 May cause drowsiness or dizziness
 H360D May damage the unborn child
 H361f Suspected of damaging fertility
 H400 Very toxic to aquatic life
 H410 Very toxic to aquatic life with long lasting effects
 H411 Toxic to aquatic life with long lasting effects
 H412 Harmful to aquatic life with long lasting effects

Explanation of abbreviations and acronyms used in the MSDS:

CAS – Chemical Abstracts Service
 WE – the number assigned to chemicals in the European Inventory of Existing Commercial Chemical Substances or European List of Notified Chemical Substances, or in the list of chemicals listed in the publication of "No-longer polymers"
 STEL – short term exposure limits maximum of a substance harmful to health in the workplace
 LTEL – long term exposure limits maximum of a substance harmful to health in the workplace
 PBT – persistence, bioaccumulation potential and toxicity
 vPvB – very high durability and very bioaccumulative
 UN number – identification number of the material (the number of UN, UN number)
 ADR – European Agreement concerning the international carriage of dangerous goods by road

MSDS was prepared in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Classification of product was made based on physical-chemical properties and content of hazardous components, according to the Regulation (EC) No 1272/2008.

Training: persons, who work with this product, should be trained respecting to properties and way of use this product. Use appropriately according to producer data.

Source of data: this MSDS was prepared based on MSDS of ingredients, data of product, our knowledge and experience according to actual legislation.

ECHA European Chemicals Agency

Botanic, Cosmetic, Flavor and Fragrance Ingredient Information

Recommendation and restriction of use: Use according to label. Additional safety information available at

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producer.

Disclaimer: information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. End user is responsible for inappropriate use of information enclosed in MSDS or inappropriate use of product.

Update 03.11.2015 regarding section 1 – 16.

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier:

Trade name: **LEMON** (regarding series of products: WOOD, NUVO, CONCEPT, MAGIC LEAF, TASOTTI PAPER, EXCELLENT, ORGANIC, NATURAL FRESH, CAR FRESH CONTROL, VERSO, MAGIC WOOD, SMALL WOOD, FRAGRANT LEAF, LUXURY SERIES, CLASSIC, REFILL)

1.2. Relevant identified uses of the substance or mixture and uses advised against:

1.2.1. Relevant identified uses

Fragrance composition, air refresher

1.2.2. Uses advised against

No data

1.3. Details of the supplier of the safety data sheet:

Tasotti

Address: ul. Sudecka 4, 62-800 Kalisz

Tel.: +48 62 7536354

Fax: +48 62 7536355

e-mail: info@tasotti.com.pl

Person responsible for MSDS: Sebastian Cichy, e-mail: info@tasotti.eu

1.4. Emergency telephone number:

+48 42 631 47 25 – National Poisons Information Centre, Łódź, Poland

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

According to the Regulation (WE) no 1272/2008

Flam. Liq. 3 – Flammable liquids, Hazard Category 3 with assigned phrase H stating the type of hazard:
 H226 Flammable liquid and vapour

Skin Irrit. 2 – Skin corrosion/irritation, Hazard Category 2 with assigned phrase H stating the type of hazard:
 H315 Causes skin irritation

Eye Irrit. 2 – Serious eye damage/eye irritation, Hazard Category 2 with assigned phrase H stating the type of hazard: H319 Causes serious eye irritation

Skin Sens. 1 – Skin sensitisation, Hazard Category 1 with assigned phrase H stating the type of hazard:
 H317 May cause an allergic skin reaction

STOT SE 3 – Specific target organ toxicity after single exposure, Hazard Category 3, narcosis with assigned phrase H stating the type of hazard: H336 May cause drowsiness or dizziness

Aspiration hazard, Hazard Category 1; with assigned phrase stating the type of hazard
 H304 May be fatal if swallowed and enters airways

Aquatic Acute 1 – Hazardous to the aquatic environment, ACUTE, Hazard Category 1 with assigned phrase H stating the type of hazard: H400 Very toxic to aquatic life

Aquatic Chronic 1 – Hazardous to the aquatic environment, CHRONIC, Hazard Category 1 with assigned phrase H stating the type of hazard
 H410 Very toxic to aquatic life with long lasting effects

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Health hazard: irritating to skin and eyes, skin sensitizing, high concentrations of vapours may cause drowsiness and dizziness, may be fatal if swallowed and enters airways

Environmental Hazards: product classified as hazardous to environment, very toxic to aquatic life with long lasting effects

Physical/chemical hazards: product contains flammable solvents, vapours form flammable mixtures with air

2.2. Label elements

According to the Regulation (WE) 1272/2008

Pictograms:



Signal Word: **Danger**

Hazard statements:

H226 Flammable liquid and vapour

H304 May be fatal if swallowed and enters airways

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

H336 May cause drowsiness or dizziness

H410 Very toxic to aquatic life with long lasting effects

Precautionary Statement:

P102 Keep out of reach of children

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P264 Wash hands and face thoroughly after handling

P273 Avoid release to the environment

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P331 Do NOT induce vomiting

Hazardous Ingredients: 1-methoxypropan-2-ol, limonene, geraniol, p-mentha-1,4(8)-diene, citral

Allergens at content higher then 0,1 % w/w: cineole, pin-2(3)-ene

2.3. Other hazards:

The mixture doesn't meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

The mixture doesn't contain SVHC substances above 0,1 % w/w.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

The product is a mixture. Content: hazardous ingredients listed below, additives not classified as hazardous or at concentration below applicable concentrations or specific concentration limits.

The classification of hazardous substances contained in the product is given in Table 3.1 of Annex VI to the Regulation of the European Parliament and Council Regulation (EC) No 1272/2008 including it's amends, REACH data, the manufacturer and available literature data.

No CAS	No WE	Index number	REACH registration number	Chemical name	Quantity	Hazard category	H phrases
107-98-2	203-539-1	603-064-00-3	01-2119457435-35-xxxx	1-methoxypropan-2-ol*	≤ 30 % w/w	Flam. Liq. 3, STOT SE 3	H226, 336
34590-94-8	252-104-2	not assigned	01-2119450011-60-xxxx	(2-methoxymethylethoxy) propanol*	≤ 30 % w/w	-	-
5989-27-5	227-813-5	601-029-00-7	01-2119529223-47-xxxx	(R)-p-mentha-1,8-diene / limonene	< 30 % w/w	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1B, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1	H226, 304, 315, 317, 400, 410
18479-58-8	242-362-4	not assigned	01-2119457274-37-xxxx	2,6-dimethyloct-7-en-2-ol	< 10 % w/w	Skin Irrit. 2, Eye Irrit. 2	H315, 319
25279-09-8	246-788-1	not assigned	no data	2,6-dimethyloct-7-en-2-yl formate	< 5 % w/w	Skin Irrit. 2, Eye Irrit. 2	H315, 319
112-31-2	203-957-4	not assigned	01-2119967771-26-xxxx	decanal	< 2 % w/w	Eye Irrit. 2, Aquatic Chronic 3	H315, 412
106-24-1	203-377-1	not assigned	01-2119552430-49-xxxx	geraniol	< 2 % w/w	Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1B	H315, 318, 319
142-92-7	205-572-7	not assigned	01-2119976337-25-xxxx	hexyl acetate	< 2 % w/w	Flam. Liq. 3	H226
124-13-0	204-683-8	not assigned	01-2119638274-38-xxxx	octanal	< 2 % w/w	Flam. Liq. 3, Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 3	H226, 315, 319, 412
124-19-6	204-688-5	not assigned	01-2119969440-35-xxxx	nonanal	< 2 % w/w	Skin Irrit. 2, Aquatic Chronic 3	H315, 412
586-62-9	209-578-0	not assigned	01-2119982325-32-xxxx	p-mentha-1,4(8)-diene	< 2 % w/w	Skin Sens. 1B, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1	H304, 317, 400, 410
5392-40-5	226-394-6	605-019-00-3	01-2119462829-23-xxxx	citral*	< 2 % w/w	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1B	H315, 317, 319
470-82-6	207-431-5	not assigned	01-2119967772-24-xxxx	cineole	< 0,5 % w/w	Flam. Liq. 3, Skin Sens. 1B	H226, 317
80-56-8	201-291-9	not assigned	01-2119519223-49-xxxx	pin-2(3)-ene	< 0,5 % w/w	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1 Asp. Tox. 1	H226, 304, 315, 317
79-92-5	201-234-8	not assigned	01-2119446293-40-xxxx	camphene	< 0,5 % w/w	Flam. Sol. 2, Eye Irrit. 2, Aquatic Acute 1, Aquatic Chronic 1	H228, 319, 400, 410
1589-47-5	216-455-5	603-106-00-0	no data	2-methoxypropanol	< 0,1 % w/w	Flam. Liq. 3, Repr. 1B, STOT SE 3, Skin Irrit. 2, Eye Dam. 1	H226, 360D, 335, 315, 318

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M-factor for environment hazardous substance (CAS no 5989-27-5, 586-62-9, 79-92-5)

Acute hazard: M = 1

Chronic hazard: M = 1

* Substance for which there are Community workplace exposure limits

For the wording of the listed H phrases and hazard category refer to section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General recommendations

In the event of health problems, immediately contact doctor. Show MSDS of product.

Never give anything by mouth to an unconscious person.

Protection of first aid responders

Do not take any action that would create a risk to the rescuer unless suitable training.

Contamination of the skin: Remove contaminated clothing. Contaminated areas of the skin wash thoroughly with water with soap. In the case of persistent irritation consult a doctor.

Contamination of the eye: Flush contaminated eyes with wide-open eyelids a continuous stream of water for about 15 minutes. Remove contact lenses, if present and easy to do. In the case of persistent irritation consult an ophthalmologist.

Inhalation: Remove victim from exposure, provide fresh air. Place victim in a reclining position. If breathing is difficult, give oxygen, in the absence of breath use artificial respiration. Seek medical advice immediately.

Ingestion: Rinse mouth thoroughly with water. Do not induce vomiting. Give to drink a glass of water. Contact with doctor immediately and show product label.

4.2. Most important symptoms and effects, both acute and delayed

Acute symptoms – product can cause irritation of skin and eyes. Ingestion causes abdominal pain, vomiting with aspiration risk and aspiration pneumonia

Delayed symptoms – prolonged or repeated contact with product may cause allergic skin reaction

Effects of exposure – inhalation of high concentrations of vapours may cause drowsiness and dizziness

4.3. Indication of any immediate medical attention and special treatment needed

Note to Physician: No specific antidote, treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing agents: CO₂, powders and foam alcohol resistant, water spray

Small fire extinguished with carbon dioxide (CO₂) or powder (ABC or BC), a large fire - use foam or water currents eventually dispersed. Precipitated mixture of fumes by dispersed water jets.

Extinguishing media which must not be used for safety reasons: a strong jet of water – the risk of fire spreading and environment contamination

5.2. Special hazards arising from the substance or mixture

The combustion of the product may produce carbon oxides and other toxic gases. Avoid inhalation of combustion products, may pose a threat to health.

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5.3. Advice for fire-fighters: strictly apply the breathing apparatus and protective clothing for fire fighting or during clean-up work immediately after a fire in an enclosed or poorly ventilated areas.

General: inform about the fire, call the appropriate emergency services. Remove from the endangered area unauthorized persons, not involved in extinguishing the fire, order evacuation if necessary.

Additional notes: vapours of product form flammable/explosive mixtures with air. Vapours are heavier than air, accumulate at the surface of the earth and lower parts of the rooms. Tanks and packaging which are not covered by the fire, exposed to fire or high temperature should be cooled by water from a safe distance (risk of explosion), and if possible removed from the hazardous area. Fire residues and contaminated waters dispose in according to applicable regulations. Do not introduce contaminated waters into drains.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with releasing product. Avoid contact with skin and eyes. Avoid breathing vapours. Use personal protective equipment, especially respiratory protection in case of vapour/fumes/aerosols of product. Inform about the accident, call the appropriate emergency services (e.g. Fire Brigade, Police). Remove from the hazardous area all persons not taking part in the emergency, order evacuation if necessary. Remove sources of ignition, announce prohibition of smoking and using sparking tools. Provide adequate ventilation.

6.2. Environmental precautions

Do not allow to enter drains, groundwater, soil and open water courses. Spilled product protect against spreading using dams or barriers. In case of water contamination inform local authorities.

6.3. Methods and material for containment and cleaning up

In case of container leakage, spillage of the product, protect the source of leak, pour the product into an empty container or place damaged container in an emergency one. Remove all possible sources of ignition in the zone of danger. Small amounts of spilled product soak up with non-flammable, absorbent material (sand, diatomite, universal binders, etc.) gather in closed container for disposal and utilized. Perform clean up work with adequate ventilation. Contaminated surface rinse with water with detergent.

6.4. Reference to other sections

Personal protective equipment – section 8

Waste disposal – section 13

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with liquid, avoid vapour inhalation. Ensure adequate ventilation /exhaust in the workplace, prevent the formation of harmful concentrations of vapour in the air, work in well ventilated areas. Observe good personal hygiene and wear protective clothing in accordance with information set out in section 8.

Special measures for protection against fire and explosion: Prevent formation of flammable /explosive concentrations of vapour in the air, eliminate sources of ignition - don't use open flames, don't smoke.

Industrial hygiene

- ensure good ventilation (overall and local exhausted ventilation),
- ensure place for eyes and skin rinsing,
- wash hands with soap and water before eating, smoking and after work,
- use general caution while working with chemical substances.

7.2. Conditions for safe storage, including any incompatibilities

Store only in properly labelled, sealed containers in a well ventilated warehouse. Protect against heat, contact with potential sources of ignition, direct sunlight.

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At the warehouse not smoke, eat, use open flame and sparking tools.

7.3. Specific end use(s)

Fragrance composition

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational Exposure Limit Value (Poland):

Hazardous Ingredients	No CAS	LTET, mg/m ³	STEL, mg/m ³
1-methoxypropan-2-ol	107-98-2	180	360
(2-methoxymethylethoxy) propanol	34590-94-8	240	480
citral	5392-40-5	27	54

8.2. Exposure controls

Technical exposure controls:

Use engineering controls to reduce air contamination to permissible exposure level.

Explosion-proof general and local exhaust ventilation.

Personal protection:

8.2.1. Professional users (production, transport, storage):

a) Respiratory protection – is not necessary under normal conditions with sufficient ventilation, required during exposure to high concentrations of vapours. Wear mask or respirator completed with the filter type A

b) Hand protection – required protective gloves in case of prolonged or frequently repeated exposure to the product. Wear protective gloves made of: butyl rubber, neoprene, nitrile rubber, polyvinylchloride, thickness min. 0,4 – 0,7mm. The Breakthrough Time > 480 min. Material of gloves must be resistant to the product. As the product is a mixture of several substances, the resistance of material of gloves can not be calculated in advance and therefore has to be checked before use. From the manufacturer's advice should be obtained information about the time of the penetration of substances and such time must be respected. The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. It is recommended to change gloves and replace them immediately if you notice any signs of wear, damage (rupture, perforation) or changes in appearance (color, flexibility, shape).

c) Eye protection – recommended protective glasses

d) Skin protection – recommended protective clothing

8.2.2. Consumer user (use of handling packaging):

There aren't required special protection, it's recommended to wash hands after contact with product before eating or smoking

Environmental exposure controls:

Do not allow to enter large amounts of product into ground water, sewage, waste water or soil.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:	liquid
Odour:	characteristic
Odour threshold:	no data
pH:	no data
Melting point/freezing point:	no data
Initial boiling point and boiling range:	no data
Flash point:	> 35°C

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Evaporation rate:	no data
Flammability:	product contains flammable components
Upper/lower flammability or explosive limits:	no data
Vapour pressure:	no data
Vapour density:	no data
Density:	no data
Solubility in water:	no data
Solubility in other solvents:	no data
Partition coefficient: n-octanol/water:	no data
Auto-ignition temperature:	no data
Decomposition temperature:	no data
Viscosity:	no data
Explosive properties:	no data
Oxidising properties:	no data

9.2. Other information no data

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data

10.2. Chemical stability

Stable under normal conditions (see Section 7 - storage conditions)

10.3. Possibility of hazardous reactions

No data

10.4 Conditions to avoid

Open flame, other ignition sources.

10.5. Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

Acute toxicity:

Acute Oral Toxicity: No data available for product

Acute Dermal Toxicity: No data available for product

Acute Inhalation Toxicity: No data available for product

Acute toxicity of hazardous components:

Acute Oral Toxicity LD50 (rat): 1600 mg/kg (regarding 2-phenylethanol)

ATE value (estimated) after swallowing > 2000 mg/kg – product isn't classified as acute toxicity (swallowing) hazardous acc. to Regulation (EC) No 1272/2008

ATE value (estimated) after skin contact > 2000 mg/kg – product isn't classified as acute toxicity (skin contact) hazardous acc. to Regulation (EC) No 1272/2008

ATE value (estimated) after inhalation > 20 mg/dm³/4h (vapours) – product isn't classified as acute toxicity (inhaled) hazardous acc. to Regulation (EC) No 1272/2008

Skin corrosion/irritation: product classified as irritant (hazard category 2)

Serious eye damage/irritation: product classified as irritant (hazard category 2)

Respiratory or skin sensitisation: product classified as skin sensitizing. It contains allergens: limonene,

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geraniol, p-mentha-1,4(8)-diene, citral, cineole, pin-2(3)-ene

Germ cell mutagenicity: hazardous ingredients of the product aren't mentioned on the list of mutagenic substances

Carcinogenicity: hazardous ingredients of the product aren't mentioned on the list of carcinogenic substances

Reproductive toxicity: product contains hazardous ingredient mentioned on the list of reproductive toxicity substances: 2-methoxypropanol at content lower than classification level (< 0,3 % w/w)

STOT-single exposure: product classifies as hazardous – narcosis (hazard category 3), inhalation of high concentrations of vapours may cause drowsiness and dizziness

STOT-repeated exposure: no data available

Aspiration hazard: classified as hazardous. May be fatal if swallowed and enters airways. Product of low viscosity. Ingestion causes abdominal pain, vomiting with aspiration risk and aspiration pneumonia

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity: no data for product

12.2. Persistence and degradability: no data for product

12.3. Bioaccumulative potential: no data for product

12.4. Mobility in soil: no data for product

12.5. Results of PBT and vPvB assessment: ingredients of product don't meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

12.6. Other adverse effects:

Product classified as hazardous to environment, very toxic to aquatic life with long lasting effects. In trade form product poses high risk to the environment.

Take all care that the product has not penetrated into the soil, drinking water sources, water tanks etc.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

Dispose of waste in accordance with all Federal, State and Local regulations.

Waste of product: communicate with the manufacturer of the product on the possibility of processing waste. If it's not possible, deliver it to utilization in plants permitted to waste collection, transport, waste recovery and disposal. Do not empty into drains. Recovery or disposal of waste product should be made in accordance with applicable regulations.

Disposing of the packaging: it is prohibited to burn them on the ground. Act like with waste of product.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number:

1266

14.2. UN proper shipping name:

PERFUMERY PRODUCTS with flammable solvents

14.3. Transport hazard class:

3

14.4. Packing group:

III

14.5. Environmental hazards:

yes

14.6. Special precautions for user:

see section 7.1.

Overland transport ADR

Classification code:

F1

Warning label:

3

Code of movement restriction through underpass:

D/E

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code:

no data



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SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council from 18.12.2006 concerning the Registration, Evaluation, Authorization and Restriction from Chemicals (REACH)
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
- Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- Commission Regulation (EC) No 790/2009 of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- Commission Regulation (EU) No 286/2011 of 10 March 2011 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- Commission Regulation (EU) No 618/2012 of 10 July 2012 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- Commission Regulation (EU) No 487/2013 of 8 May 2013 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- Commission Regulation (EU) No 944/2013 of 2 October 2013 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- Commission Regulation (EU) No 605/2014 of 5 June 2014 amending, for the purposes of introducing hazard and precautionary statements in the Croatian language and its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- European agreement concerning international road transport of dangerous products (ADR)
Federal, State and Local regulations.

15.2. Chemical safety assessment

Chemical safety assessment was not made for the product

SECTION 16. OTHER INFORMATION

Explanation of symbols and phrases referring hazardous substances contained in product:

Flam. Liq. 3 Flammable liquids, Hazard Category 3
 Acute Tox. 3 (oral) Acute Toxicity (swallowing) Hazard Category 3
 Acute Tox. 4 (oral) Acute Toxicity (swallowing) Hazard Category 4
 Acute Tox. 4 (derm) Acute Toxicity (skin contact) Hazard Category 4
 Acute Tox. 3 (inh) Acute Toxicity (inhalation) Hazard Category 3
 Acute Tox. 4 (inh) Acute Toxicity (inhalation) Hazard Category 4
 Skin Irrit. 2 Skin corrosion/irritation, Hazard Category 2
 Eye Dam. 1 Serious eye damage/eye irritation, Hazard Category 1
 Eye Irrit. 2 Serious eye damage/eye irritation, Hazard Category 2
 Skin Sens. 1 Skin Sensitizing, Hazard Category 1
 Repr. 1B Reproductive toxicity, Hazard Category 1B
 Repr 2 Reproductive toxicity, Hazard Category 2
 STOT SE 3 Specific target organ toxicity – Single exposure, Hazard Category 3
 Asp. Tox. 1 Aspiration hazard, Hazard Category 1
 Aquatic Acute 1 Hazardous to the aquatic environment – Acute, Hazard Category 1
 Aquatic Chronic 1 Hazardous to the aquatic environment – Chronic, Hazard Category 1

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Aquatic Chronic 2 Hazardous to the aquatic environment – Chronic, Hazard Category 2
 Aquatic Chronic 3 Hazardous to the aquatic environment – Chronic, Hazard Category 3

H226 Flammable liquid and vapour
 H301 Toxic if swallowed
 H302 Harmful if swallowed
 H304 May be fatal if swallowed and enters airways
 H312 Harmful in contact with skin
 H315 Causes skin irritation
 H317 May cause an allergic skin reaction
 H318 Causes serious eye damage
 H319 Causes serious eye irritation
 H331 Toxic if inhaled
 H332 Harmful if inhaled
 H335 May cause respiratory irritation
 H336 May cause drowsiness or dizziness
 H360D May damage the unborn child
 H361f Suspected of damaging fertility
 H400 Very toxic to aquatic life
 H410 Very toxic to aquatic life with long lasting effects
 H411 Toxic to aquatic life with long lasting effects
 H412 Harmful to aquatic life with long lasting effects

Explanation of abbreviations and acronyms used in the MSDS:

CAS – Chemical Abstracts Service

WE – the number assigned to chemicals in the European Inventory of Existing Commercial Chemical Substances or European List of Notified Chemical Substances, or in the list of chemicals listed in the publication of "No-longer polymers"

STEL – short term exposure limits maximum of a substance harmful to health in the workplace

LTEL – long term exposure limits maximum of a substance harmful to health in the workplace

PBT – persistence, bioaccumulation potential and toxicity

vPvB – very high durability and very bioaccumulative

UN number – identification number of the material (the number of UN, UN number)

ADR – European Agreement concerning the international carriage of dangerous goods by road

MSDS was prepared in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Classification of product was made based on physical-chemical properties and content of hazardous components, according to the Regulation (EC) No 1272/2008.

Training: persons, who work with this product, should be trained respecting to properties and way of use this product. Use appropriately according to producer data.

Source of data: this MSDS was prepared based on MSDS of ingredients, data of product, our knowledge and experience according to actual legislation.

ECHA European Chemicals Agency

Botanic, Cosmetic, Flavor and Fragrance Ingredient Information

Recommendation and restriction of use: Use according to label. Additional safety information available at producer.

Disclaimer: information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. End user is responsible for inappropriate use of information enclosed in MSDS or inappropriate use of product.

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier:

Trade name: **STRAWBERRY** (regarding series of products: WOOD, NUVO, CONCEPT, MAGIC LEAF, TASOTTI PAPER, EXCELLENT, ORGANIC, NATURAL FRESH, CAR FRESH CONTROL, VERSO, MAGIC WOOD, SMALL WOOD, FRAGRANT LEAF, LUXURY SERIES, CLASSIC, REFILL)

1.2. Relevant identified uses of the substance or mixture and uses advised against:

1.2.1. Relevant identified uses

Fragrance composition, air refresher

1.2.2. Uses advised against

No data

1.3. Details of the supplier of the safety data sheet:

Tasotti

Address: ul. Sudecka 4, 62-800 Kalisz

Tel.: +48 62 7536354

Fax: +48 62 7536355

e-mail: info@tasotti.com.pl

Person responsible for MSDS: Sebastian Cichy, e-mail: info@tasotti.eu

1.4. Emergency telephone number:

+48 42 631 47 25 – National Poisons Information Centre, Łódź, Poland

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

According to the Regulation (WE) no 1272/2008

Flam. Liq. 3 – Flammable liquids, Hazard Category 3 with assigned phrase H stating the type of hazard:
 H226 Flammable liquid and vapour

Eye Dam. 1 – Serious eye damage/eye irritation, Hazard Category 1 with assigned phrase H stating the type of hazard:
 H318 Causes serious eye damage

Skin Sens. 1 – Skin sensitisation, Hazard Category 1 with assigned phrase H stating the type of hazard:
 H317 May cause an allergic skin reaction

STOT SE 3 – Specific target organ toxicity after single exposure, Hazard Category 3, narcosis with assigned phrase H stating the type of hazard
 H336 May cause drowsiness or dizziness

Health hazard: strongly irritating to eyes, skin sensitizing, potentially irritating to skin, high concentrations of vapours may cause drowsiness and dizziness

Environmental Hazards: product isn't classified as hazardous to environment

Physical/chemical hazards: product contains flammable solvents, vapours form flammable mixtures with air

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2.2. Label elements

According to the Regulation (WE) 1272/2008

Pictograms:



Signal Word: Danger

Hazard statements:

H226 Flammable liquid and vapour
 H317 May cause an allergic skin reaction
 H318 Causes serious eye damage
 H336 May cause drowsiness or dizziness

Precautionary Statement:

P102 Keep out of reach of children
 P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 P264 Wash hands and face thoroughly after handling
 P333 + P313 If skin irritation or rash occurs: Get medical advice/attention
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P310 Immediately call a POISON CENTER or doctor/physician

Hazardous Ingredients: 1-methoxypropan-2-ol, ethyl lactate, methyl cinnamate, ethyl 2,3-epoxy-3-phenylbutyrate

2.3. Other hazards:

The mixture doesn't meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.
 The mixture doesn't contain SVHC substances above 0,1 % w/w.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

The product is a mixture. Content: hazardous ingredients listed below, additives not classified as hazardous or at concentration below applicable concentrations or specific concentration limits.

The classification of hazardous substances contained in the product is given in Table 3.1 of Annex VI to the Regulation of the European Parliament and Council Regulation (EC) No 1272/2008 including it's amends, REACH data, the manufacturer and available literature data.

No CAS	No WE	Index number	REACH registration number	Chemical name	Quantity	Hazard category	H phrases
107-98-2	203-539-1	603-064-00-3	01-2119457435-35-xxxx	1-methoxypropan-2-ol*	≤ 60 % w/w	Flam. Liq. 3, STOT SE 3	H226, 336

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34590-94-8	252-104-2	not assigned	01-2119450011-60-xxxx	(2-methoxymethylethoxy) propanol*	≤ 30 % w/w	-	-
4940-11-8	225-582-5	not assigned	no data	2-ethyl-3-hydroxy-4-pyrone	< 5 % w/w	Acute Tox. 4 (oral)	H302
97-64-3	202-598-0	607-129-00-7	no data	ethyl lactate	< 5 % w/w	Flam. Liq. 3, Eye Dam. 1, STOT SE 3	H226, 318, 335
103-26-4	203-093-8	not assigned	01-2119979458-16-xxxx	methyl cinnamate	< 5 % w/w	Skin Sens. 1B	H317
111-27-3	203-852-3	603-059-00-6	01-2119487967-12-xxxx	hexan-1-ol	< 2 % w/w	Flam. Liq. 3, Acute Tox. 4 (oral), Acute Tox. 4 (derm), Eye Irrit. 2	H226, 302, 312, 319
77-83-8	201-061-8	not assigned	01-2119967770-28-xxxx	ethyl 2,3-epoxy-3-phenylbutyrate	< 2 % w/w	Skin Sens. 1B, Aquatic Chronic 2	H317, 411
142-19-8	205-527-1	not assigned	01-2119488961-23-xxxx	allyl heptanoate	< 0,5 % w/w	Acute Tox. 3 (oral), Acute Tox.3 (derm), Acute Tox. 3 (inh), Aquatic Acute 1, Aquatic Chronic 3	H301, 311, 331, 400, 412
1589-47-5	216-455-5	603-106-00-0	no data	2-methoxypropanol	< 0,1 % w/w	Flam. Liq. 3, Repr. 1B, STOT SE 3, Skin Irrit. 2, Eye Dam. 1	H226, 360D, 335, 315, 318

M-factor for environment hazardous substance (CAS no 142-19-8)

Acute hazard: M = 1

Chronic hazard: M = 1

* Substance for which there are Community workplace exposure limits

For the wording of the listed H phrases and hazard category refer to section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General recommendations

In the event of health problems, immediately contact doctor. Show MSDS of product.

Never give anything by mouth to an unconscious person.

Protection of first aid responders

Do not take any action that would create a risk to the rescuer unless suitable training.

Contamination of the skin: Remove contaminated clothing. Contaminated areas of the skin wash thoroughly with water with soap. In the case of persistent irritation consult a doctor.

Contamination of the eye: Flush contaminated eyes with wide-open eyelids a continuous stream of water for about 15 minutes. Remove contact lenses, if present and easy to do. In the case of persistent irritation consult an ophthalmologist.

Inhalation: Remove victim from exposure, provide fresh air. Place victim in a reclining position. If breathing is difficult, give oxygen, in the absence of breath use artificial respiration. Seek medical advice immediately.

Ingestion: Rinse mouth thoroughly with water. Do not induce vomiting. Give to drink a glass of water. Contact with doctor immediately and show product label.

4.2. Most important symptoms and effects, both acute and delayed

Acute symptoms – product can cause irritation of skin and strong irritation of eyes

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Delayed symptoms – prolonged or repeated contact with product may cause allergic skin reaction

Effects of exposure – inhalation of high concentrations of vapours may cause drowsiness and dizziness

4.3. Indication of any immediate medical attention and special treatment needed

Note to Physician: No specific antidote, treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing agents: CO₂, powders and foam alcohol resistant, water spray

Small fire extinguished with carbon dioxide (CO₂) or powder (ABC or BC), a large fire - use foam or water currents eventually dispersed. Precipitated mixture of fumes by dispersed water jets.

Extinguishing media which must not be used for safety reasons: a strong jet of water – the risk of fire spreading and environment contamination

5.2. Special hazards arising from the substance or mixture

The combustion of the product may produce carbon oxides and other toxic gases. Avoid inhalation of combustion products, may pose a threat to health.

5.3. Advice for fire-fighters: strictly apply the breathing apparatus and protective clothing for fire fighting or during clean-up work immediately after a fire in an enclosed or poorly ventilated areas.

General: inform about the fire, call the appropriate emergency services. Remove from the endangered area unauthorized persons, not involved in extinguishing the fire, order evacuation if necessary.

Additional notes: vapours of product form flammable/explosive mixtures with air. Vapours are heavier than air, accumulate at the surface of the earth and lower parts of the rooms. Tanks and packaging which are not covered by the fire, exposed to fire or high temperature should be cooled by water from a safe distance (risk of explosion), and if possible removed from the hazardous area. Fire residues and contaminated waters dispose in according to applicable regulations. Do not introduce contaminated waters into drains.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with releasing product. Avoid contact with skin and eyes. Avoid breathing vapours.

Use personal protective equipment, especially respiratory protection in case of vapour/fumes/aerosols of product. Inform about the accident, call the appropriate emergency services (e.g. Fire Brigade, Police). Remove from the hazardous area all persons not taking part in the emergency, order evacuation if necessary. Remove sources of ignition, announce prohibition of smoking and using sparking tools. Provide adequate ventilation.

6.2. Environmental precautions

Do not allow to enter drains, groundwater, soil and open water courses. Spilled product protect against spreading using dams or barriers. In case of water contamination inform local authorities.

6.3. Methods and material for containment and cleaning up

In case of container leakage, spillage of the product, protect the source of leak, pour the product into an empty container or place damaged container in an emergency one. Remove all possible sources of ignition in the zone of danger. Small amounts of spilled product soak up with non-flammable, absorbent material (sand, diatomite, universal binders, etc.) gather in closed container for disposal and utilized. Perform clean up work with adequate ventilation. Contaminated surface rinse with water with detergent.

6.4. Reference to other sections

Personal protective equipment – section 8

Waste disposal – section 13

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SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with liquid, avoid vapour inhalation. Ensure adequate ventilation /exhaust in the workplace, prevent the formation of harmful concentrations of vapour in the air, work in well ventilated areas. Observe good personal hygiene and wear protective clothing in accordance with information set out in section 8.

Special measures for protection against fire and explosion: Prevent formation of flammable /explosive concentrations of vapour in the air, eliminate sources of ignition - don't use open flames, don't smoke.

Industrial hygiene

- ensure good ventilation (overall and local exhausted ventilation),
- ensure place for eyes and skin rinsing,
- wash hands with soap and water before eating, smoking and after work,
- use general caution while working with chemical substances.

7.2. Conditions for safe storage, including any incompatibilities

Store only in properly labelled, sealed containers in a well ventilated warehouse.

Protect against heat, contact with potential sources of ignition, direct sunlight.

At the warehouse not smoke, eat, use open flame and sparking tools.

7.3. Specific end use(s)

Fragrance composition

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational Exposure Limit Value (Poland):

Hazardous Ingredients	No CAS	LTET, mg/m ³	STEL, mg/m ³
1-methoxypropan-2-ol	107-98-2	180	360
(2-methoxymethylethoxy)propanol	34590-94-8	240	480

8.2. Exposure controls

Technical exposure controls:

Use engineering controls to reduce air contamination to permissible exposure level.

Explosion-proof general and local exhaust ventilation.

Personal protection:

8.2.1. Professional users (production, transport, storage):

a) Respiratory protection – is not necessary under normal conditions with sufficient ventilation, required during exposure to high concentrations of vapours. Wear mask or respirator completed with the filter type A

b) Hand protection – required protective gloves in case of prolonged or frequently repeated exposure to the product. Wear protective gloves made of: butyl rubber, neoprene, nitrile rubber, polyvinylchloride, thickness min. 0,4 – 0,7mm. The Breakthrough Time > 480 min. Material of gloves must be resistant to the product. As the product is a mixture of several substances, the resistance of material of gloves can not be calculated in advance and therefore has to be checked before use. From the manufacturer's advice should be obtained information about the time of the penetration of substances and such time must be respected. The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. It is recommended to change gloves and replace them immediately if you notice any signs of wear, damage (rupture, perforation) or changes in appearance (color, flexibility, shape).

c) Eye protection – recommended protective glasses

d) Skin protection – recommended protective clothing

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8.2.2. Consumer user (use of handling packaging):

There aren't required special protection, it's recommended to wash hands after contact with product before eating or smoking

Environmental exposure controls:

Do not allow to enter large amounts of product into ground water, sewage, waste water or soil.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:	liquid
Odour:	characteristic
Odour threshold:	no data
pH:	no data
Melting point/freezing point:	no data
Initial boiling point and boiling range:	no data
Flash point:	> 35°C
Evaporation rate:	no data
Flammability:	product contains flammable components
Upper/lower flammability or explosive limits:	no data
Vapour pressure:	no data
Vapour density:	no data
Density:	no data
Solubility in water:	no data
Solubility in other solvents:	no data
Partition coefficient: n-octanol/water:	no data
Auto-ignition temperature:	no data
Decomposition temperature:	no data
Viscosity:	no data
Explosive properties:	no data
Oxidising properties:	no data

9.2. Other information no data

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data

10.2. Chemical stability

Stable under normal conditions (see Section 7 - storage conditions)

10.3. Possibility of hazardous reactions

No data

10.4 Conditions to avoid

Open flame, other ignition sources.

10.5. Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed/indicated.

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

Acute toxicity:

Acute Oral Toxicity: No data available for product

Acute Dermal Toxicity: No data available for product

Acute Inhalation Toxicity: No data available for product

Acute toxicity of hazardous components:

Acute Oral Toxicity LD50 (rat): 500 mg/kg (regarding 2-ethyl-3-hydroxy-4-pyrone)

Acute Oral Toxicity LD50 (rat): 500 mg/kg (regarding hexan-1-ol)

Acute Dermal Toxicity LD50 (rabbit): 1750 mg/kg (regarding hexan-1-ol)

ATE value (estimated) after swallowing > 2000 mg/kg – product isn't classified as acute toxicity (swallowing) hazardous acc. to Regulation (EC) No 1272/2008

ATE value (estimated) after skin contact > 2000 mg/kg – product isn't classified as acute toxicity (skin contact) hazardous acc. to Regulation (EC) No 1272/2008

ATE value (estimated) after inhalation > 20 mg/dm³/4h (vapours) – product isn't classified as acute toxicity (inhaled) hazardous acc. to Regulation (EC) No 1272/2008

Skin corrosion/irritation: product isn't classified as irritant

Serious eye damage/irritation: product classified as corrosive (hazard category 1)

Respiratory or skin sensitisation: product classified as skin sensitizing. It contains allergens: methyl cinnamate, ethyl 2,3-epoxy-3-phenylbutyrate

Germ cell mutagenicity: hazardous ingredients of the product aren't mentioned on the list of mutagenic substances

Carcinogenicity: hazardous ingredients of the product aren't mentioned on the list of carcinogenic substances

Reproductive toxicity: product contains hazardous ingredient mentioned on the list of reproductive toxicity substances: 2-methoxypropanol at content lower than classification level (< 0,3 % w/w)

STOT-single exposure: product classifies as hazardous – narcosis (hazard category 3), inhalation of high concentrations of vapours may cause drowsiness and dizziness

STOT-repeated exposure: no data available

Aspiration hazard: not classified as hazardous. May be fatal if swallowed and enters airways. Product of low viscosity. Ingestion causes abdominal pain, vomiting with aspiration risk and aspiration pneumonia

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity: no data for product

12.2. Persistence and degradability: no data for product

12.3. Bioaccumulative potential: no data for product

12.4. Mobility in soil: no data for product

12.5. Results of PBT and vPvB assessment: ingredients of product don't meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

12.6. Other adverse effects:

Product isn't classified as hazardous to environment. In trade form product poses potentially risk to the environment. Take care that the product has not penetrated into the soil, drinking water sources, water tanks etc.

SECTION 13: DISPOSAL CONSIDERATIONS

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13.1. Waste treatment methods:

Dispose of waste in accordance with all Federal, State and Local regulations.

Waste of product: communicate with the manufacturer of the product on the possibility of processing waste. If it's not possible, deliver it to utilization in plants permitted to waste collection, transport, waste recovery and disposal. Do not empty into drains. Recovery or disposal of waste product should be made in accordance with applicable regulations.

Disposing of the packaging: it is prohibited to burn them on the ground. Act like with waste of product.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number:	1266	
14.2. UN proper shipping name:	PERFUMERY PRODUCTS with flammable solvents	
14.3. Transport hazard class:	3	
14.4. Packing group:	III	
14.5. Environmental hazards:	no	
14.6. Special precautions for user:	see section 7.1.	
Overland transport ADR		
Classification code:	F1	
Warning label:	3	
Code of movement restriction through underpass:	D/E	
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code:	no data	

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council from 18.12.2006 concerning the Registration, Evaluation, Authorization and Restriction from Chemicals (REACH)
 - Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
 - Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
 - Commission Regulation (EC) No 790/2009 of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
 - Commission Regulation (EU) No 286/2011 of 10 March 2011 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
 - Commission Regulation (EU) No 618/2012 of 10 July 2012 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
 - Commission Regulation (EU) No 487/2013 of 8 May 2013 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
 - Commission Regulation (EU) No 944/2013 of 2 October 2013 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
 - Commission Regulation (EU) No 605/2014 of 5 June 2014 amending, for the purposes of introducing hazard and precautionary statements in the Croatian language and its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
 - European agreement concerning international road transport of dangerous products (ADR)
- Federal, State and Local regulations.*

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15.2. Chemical safety assessment

Chemical safety assessment was not made for the product

SECTION 16. OTHER INFORMATION

Explanation of symbols and phrases referring hazardous substances contained in product:

Flam. Liq. 3 Flammable liquids, Hazard Category 3
 Acute Tox. 3 (oral) Acute Toxicity (swallowing) Hazard Category 3
 Acute Tox. 4 (oral) Acute Toxicity (swallowing) Hazard Category 4
 Acute Tox. 4 (derm) Acute Toxicity (skin contact) Hazard Category 4
 Acute Tox. 3 (inh) Acute Toxicity (inhalation) Hazard Category 3
 Acute Tox. 4 (inh) Acute Toxicity (inhalation) Hazard Category 4
 Skin Irrit. 2 Skin corrosion/irritation, Hazard Category 2
 Eye Dam. 1 Serious eye damage/eye irritation, Hazard Category 1
 Eye Irrit. 2 Serious eye damage/eye irritation, Hazard Category 2
 Skin Sens. 1 Skin Sensitizing, Hazard Category 1
 Repr. 1B Reproductive toxicity, Hazard Category 1B
 STOT SE 3 Specific target organ toxicity – Single exposure, Hazard Category 3
 Asp. Tox. 1 Aspiration hazard, Hazard Category 1
 Aquatic Acute 1 Hazardous to the aquatic environment – Acute, Hazard Category 1
 Aquatic Chronic 1 Hazardous to the aquatic environment – Chronic, Hazard Category 1
 Aquatic Chronic 2 Hazardous to the aquatic environment – Chronic, Hazard Category 2
 Aquatic Chronic 3 Hazardous to the aquatic environment – Chronic, Hazard Category 3

H226 Flammable liquid and vapour
 H301 Toxic if swallowed
 H302 Harmful if swallowed
 H304 May be fatal if swallowed and enters airways
 H312 Harmful in contact with skin
 H315 Causes skin irritation
 H317 May cause an allergic skin reaction
 H318 Causes serious eye damage
 H319 Causes serious eye irritation
 H331 Toxic if inhaled
 H332 Harmful if inhaled
 H335 May cause respiratory irritation
 H336 May cause drowsiness or dizziness
 H360D May damage the unborn child
 H400 Very toxic to aquatic life
 H410 Very toxic to aquatic life with long lasting effects
 H411 Toxic to aquatic life with long lasting effects
 H412 Harmful to aquatic life with long lasting effects

Explanation of abbreviations and acronyms used in the MSDS:

CAS – Chemical Abstracts Service

WE – the number assigned to chemicals in the European Inventory of Existing Commercial Chemical Substances or European List of Notified Chemical Substances, or in the list of chemicals listed in the publication of "No-longer polymers"

STEL – short term exposure limits maximum of a substance harmful to health in the workplace

LTEL – long term exposure limits maximum of a substance harmful to health in the workplace

PBT – persistence, bioaccumulation potential and toxicity

vPvB – very high durability and very bioaccumulative

UN number – identification number of the material (the number of UN, UN number)

ADR – European Agreement concerning the international carriage of dangerous goods by road

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MSDS was prepared in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Classification of product was made based on physical-chemical properties and content of hazardous components, according to the Regulation (EC) No 1272/2008.

Training: persons, who work with this product, should be trained respecting to properties and way of use this product. Use appropriately according to producer data.

Source of data: this MSDS was prepared based on MSDS of ingredients, data of product, our knowledge and experience according to actual legislation.

ECHA European Chemicals Agency

Botanic, Cosmetic, Flavor and Fragrance Ingredient Information

Recommendation and restriction of use: Use according to label. Additional safety information available at producer.

Disclaimer: information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. End user is responsible for inappropriate use of information enclosed in MSDS or inappropriate use of product.

Update 03.11.2015 regarding section 1 – 16.

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier:

Trade name: **VANILLA** (regarding series of products: WOOD, NUVO, CONCEPT, MAGIC LEAF, TASOTTI PAPER, EXCELLENT, ORGANIC, NATURAL FRESH, CAR FRESH CONTROL, VERSO, MAGIC WOOD, SMALL WOOD, FRAGRANT LEAF, LUXURY SERIES, CLASSIC, REFILL)

1.2. Relevant identified uses of the substance or mixture and uses advised against:

1.2.1. Relevant identified uses

Fragrance composition, air refresher

1.2.2. Uses advised against

No data

1.3. Details of the supplier of the safety data sheet:

Tasotti

Address: ul. Sudecka 4, 62-800 Kalisz

Tel.: +48 62 7536354

Fax: +48 62 7536355

e-mail: info@tasotti.com.pl

Person responsible for MSDS: Sebastian Cichy, e-mail: info@tasotti.eu

1.4. Emergency telephone number:

+48 42 631 47 25 – National Poisons Information Centre, Łódź, Poland

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

According to the Regulation (WE) no 1272/2008

Flam. Liq. 3 – Flammable liquids, Hazard Category 3 with assigned phrase H stating the type of hazard:
 H226 Flammable liquid and vapour

Skin Irrit. 2 – Skin corrosion/irritation, Hazard Category 2 with assigned phrase H stating the type of hazard:
 H315 Causes skin irritation

Eye Irrit. 2 – Serious eye damage/eye irritation, Hazard Category 2 with assigned phrase H stating the type of hazard:
 H319 Causes serious eye irritation

Skin Sens. 1 – Skin sensitisation, Hazard Category 1 with assigned phrase H stating the type of hazard:
 H317 May cause an allergic skin reaction

STOT SE 3 – Specific target organ toxicity after single exposure, Hazard Category 3, narcosis with assigned phrase H stating the type of hazard
 H336 May cause drowsiness or dizziness

Aquatic Chronic 2 – Hazardous to the aquatic environment, CHRONIC, Hazard Category 23 with assigned phrase H stating the type of hazard
 H411 Toxic to aquatic life with long lasting effects

Health hazard: irritating to skin and eyes, skin sensitizing, high concentrations of vapours may cause drowsiness and dizziness

Environmental Hazards: product classified as hazardous to environment, toxic to aquatic life with long lasting effects

Physical/chemical hazards: product contains flammable solvents, vapours form flammable mixtures with air

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2.2. Label elements

According to the Regulation (WE) 1272/2008

Pictograms:



Signal Word: Warning

Hazard statements:

H226 Flammable liquid and vapour
 H315 Causes skin irritation
 H317 May cause an allergic skin reaction
 H319 Causes serious eye irritation
 H336 May cause drowsiness or dizziness
 H411 Toxic to aquatic life with long lasting effects

Precautionary Statement:

P102 Keep out of reach of children
 P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 P264 Wash hands and face thoroughly after handling
 P273 Avoid release to the environment
 P333 + P313 If skin irritation or rash occurs: Get medical advice/attention
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Hazardous Ingredients: 1-methoxypropan-2-ol, limonene, ethyl 2,3-epoxy-3-phenylbutyrate, allyl 3-cyclohexylpropionate

Allergens at content higher then 0,1 % w/w: coumarin, 4-methoxybenzyl alcohol, piperonal, citral, pin-2(10)-ene, pin-2(3)-ene

2.3. Other hazards:

The mixture doesn't meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.
 The mixture doesn't contain SVHC substances above 0,1 % w/w.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

The product is a mixture. Content: hazardous ingredients listed below, additives not classified as hazardous or at concentration below applicable concentrations or specific concentration limits.

The classification of hazardous substances contained in the product is given in Table 3.1 of Annex VI to the Regulation of the European Parliament and Council Regulation (EC) No 1272/2008 including it's amends, REACH data, the manufacturer and available literature data.

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No CAS	No WE	Index number	REACH registration number	Chemical name	Quantity	Hazard category	H phrases
34590-94-8	252-104-2	not assigned	01-2119450011-60-xxxx	(2-methoxymethylethoxy) propanol*	≤ 50 % w/w	-	-
107-98-2	203-539-1	603-064-00-3	01-2119457435-35-xxxx	1-methoxypropan-2-ol*	≤ 30 % w/w	Flam. Liq. 3, STOT SE 3	H226, 336
138-86-3	205-341-0	601-029-00-7	01-2119529223-47-xxxx	dipentene / limonene	< 8 % w/w	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1B, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1	H226, 304, 315, 317, 400, 410
121-33-5	204-465-2	not assigned	01-2119516040-60-xxxx	vanilin	< 8 % w/w	Eye Irrit. 2	H319
120-51-4	204-402-9	607-085-00-9	01-2119976371-33-xxxx	benzyl benzoate	< 5 % w/w	Acute Tox. 4 (oral), Aquatic Chronic 2	H302, 411
1222-05-5	214-946-9	603-212-00-7	01-2119488227-29-xxxx	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran / galaxolide	< 5 % w/w	Aquatic Acute 1, Aquatic Chronic 1	H400, 410
77-83-8	201-061-8	not assigned	01-2119967770-28-xxxx	ethyl 2,3-epoxy-3-phenylbutyrate	< 5 % w/w	Skin Sens. 1B, Aquatic Chronic 2	H317, 411
2705-87-5	220-292-5	not assigned	no data	allyl 3-cyclohexylpropionate	< 2 % w/w	Acute Tox. 4 (oral), Acute Tox. 4 (derm), Acute Tox. 4 (inh), Skin Sens. 1B, Aquatic Acute 1, Aquatic Chronic 1	H302, 312, 317, 332, 400, 410
104-21-2	203-185-8	not assigned	no data	p-methoxybenzyl acetate	< 2 % w/w	Skin Irrit. 2, Eye Irrit. 2	H315, 319
106-27-4	203-380-8	not assigned	no data	3-methylbutyl butyrate	< 2 % w/w	Flam. Liq. 3, Aquatic Chronic 3	H226, 412
123-68-2	204-642-4	not assigned	01-2119983573-26-xxxx	allyl hexanoate	< 2 % w/w	Acute Tox. 3 (oral), Acute Tox. 3 (derm), Acute Tox. 3 (inh), Aquatic Acute 1, Aquatic Chronic 3	H301, 311, 331, 400, 412
123-92-2	204-662-3	607-130-00-2	01-2119548408-32-xxxx	isopentyl acetate*	< 2 % w/w	Flam. Liq. 3	H226, EUH066
91-64-5	202-086-7	not assigned	01-2119943756-26-xxxx	coumarin	< 0,5 % w/w	Acute Tox. 3 (oral), Acute Tox. 3 (derm), Acute Tox. 3 (inh), Skin Sens. 1B, Aquatic Chronic 2	H301, 311, 331, 317, 411
105-13-5	203-273-6	not assigned	01-2119934494-33-xxxx	4-methoxybenzyl alcohol	< 0,5 % w/w	Acute Tox. 4 (oral), Eye Dam. 1, Skin Sens. 1B	H302, 317, 318
120-57-0	204-409-7	not assigned	01-2119983608-21-xxxx	piperonal	< 0,5 % w/w	Skin Sens. 1B	H317
5392-40-5	226-394-6	605-019-00-3	01-2119462829-23-xxxx	citral*	< 0,5 % w/w	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1B	H315, 317, 319
127-91-3	204-872-5	not assigned	01-2119519230-54-xxxx	pin-2(10)-ene	< 0,5 % w/w	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1B, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1	H226, 304, 315, 317, 400, 410
80-56-8	201-291-9	not assigned	01-2119519223-49-xxxx	pin-2(3)-ene	< 0,5 % w/w	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1 Asp. Tox. 1	H226, 304, 315, 317
1589-47-5	216-455-5	603-106-00-0	no data	2-methoxypropanol	< 0,1 % w/w	Flam. Liq. 3, Repr. 1B, STOT SE 3, Skin Irrit. 2, Eye Dam. 1	H226, 360D, 335, 315, 318

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M-factor for environment hazardous substance (CAS no 138-86-3, 2705-87-5, 1222-05-5, 123-68-2, 127-91-3)

Acute hazard: M = 1

Chronic hazard: M = 1

* Substance for which there are Community workplace exposure limits

For the wording of the listed H phrases and hazard category refer to section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General recommendations

In the event of health problems, immediately contact doctor. Show MSDS of product.

Never give anything by mouth to an unconscious person.

Protection of first aid responders

Do not take any action that would create a risk to the rescuer unless suitable training.

Contamination of the skin: Remove contaminated clothing. Contaminated areas of the skin wash thoroughly with water with soap. In the case of persistent irritation consult a doctor.

Contamination of the eye: Flush contaminated eyes with wide-open eyelids a continuous stream of water for about 15 minutes. Remove contact lenses, if present and easy to do. In the case of persistent irritation consult an ophthalmologist.

Inhalation: Remove victim from exposure, provide fresh air. Place victim in a reclining position. If breathing is difficult, give oxygen, in the absence of breath use artificial respiration. Seek medical advice immediately.

Ingestion: Rinse mouth thoroughly with water. Do not induce vomiting. Give to drink a glass of water. Contact with doctor immediately and show product label.

4.2. Most important symptoms and effects, both acute and delayed

Acute symptoms – product can causes irritation of skin and eyes

Delayed symptoms – prolonged or repeated contact with product may cause allergic skin reaction

Effects of exposure – inhalation of high concentrations of vapours may cause drowsiness and dizziness

4.3. Indication of any immediate medical attention and special treatment needed

Note to Physician: No specific antidote, treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing agents: CO₂, powders and foam alcohol resistant, water spray

Small fire extinguished with carbon dioxide (CO₂) or powder (ABC or BC), a large fire - use foam or water currents eventually dispersed. Precipitated mixture of fumes by dispersed water jets.

Extinguishing media which must not be used for safety reasons: a strong jet of water – the risk of fire spreading and environment contamination

5.2. Special hazards arising from the substance or mixture

The combustion of the product may produce carbon oxides and other toxic gases. Avoid inhalation of combustion products, may pose a threat to health.

5.3. Advice for fire-fighters: strictly apply the breathing apparatus and protective clothing for fire fighting or during clean-up work immediately after a fire in an enclosed or poorly ventilated areas.

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General: inform about the fire, call the appropriate emergency services. Remove from the endangered area unauthorized persons, not involved in extinguishing the fire, order evacuation if necessary.

Additional notes: vapours of product form flammable/explosive mixtures with air. Vapours are heavier than air, accumulate at the surface of the earth and lower parts of the rooms. Tanks and packaging which are not covered by the fire, exposed to fire or high temperature should be cooled by water from a safe distance (risk of explosion), and if possible removed from the hazardous area. Fire residues and contaminated waters dispose in according to applicable regulations. Do not introduce contaminated waters into drains.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with releasing product. Avoid contact with skin and eyes. Avoid breathing vapours. Use personal protective equipment, especially respiratory protection in case of vapour/fumes/aerosols of product. Inform about the accident, call the appropriate emergency services (e.g. Fire Brigade, Police). Remove from the hazardous area all persons not taking part in the emergency, order evacuation if necessary. Remove sources of ignition, announce prohibition of smoking and using sparking tools. Provide adequate ventilation.

6.2. Environmental precautions

Do not allow to enter drains, groundwater, soil and open water courses. Spilled product protect against spreading using dams or barriers. In case of water contamination inform local authorities.

6.3. Methods and material for containment and cleaning up

In case of container leakage, spillage of the product, protect the source of leak, pour the product into an empty container or place damaged container in an emergency one. Remove all possible sources of ignition in the zone of danger. Small amounts of spilled product soak up with non-flammable, absorbent material (sand, diatomite, universal binders, etc.) gather in closed container for disposal and utilized. Perform clean up work with adequate ventilation. Contaminated surface rinse with water with detergent.

6.4. Reference to other sections

Personal protective equipment – section 8

Waste disposal – section 13

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with liquid, avoid vapour inhalation. Ensure adequate ventilation /exhaust in the workplace, prevent the formation of harmful concentrations of vapour in the air, work in well ventilated areas. Observe good personal hygiene and wear protective clothing in accordance with information set out in section 8.

Special measures for protection against fire and explosion: Prevent formation of flammable /explosive concentrations of vapour in the air, eliminate sources of ignition - don't use open flames, don't smoke.

Industrial hygiene

- ensure good ventilation (overall and local exhausted ventilation),
- ensure place for eyes and skin rinsing,
- wash hands with soap and water before eating, smoking and after work,
- use general caution while working with chemical substances.

7.2. Conditions for safe storage, including any incompatibilities

Store only in properly labelled, sealed containers in a well ventilated warehouse.

Protect against heat, contact with potential sources of ignition, direct sunlight.

At the warehouse not smoke, eat, use open flame and sparking tools.

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7.3. Specific end use(s)

Fragrance composition

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational Exposure Limit Value (Poland):

Hazardous Ingredients	No CAS	LTET, mg/m ³	STEL, mg/m ³
1-methoxypropan-2-ol	107-98-2	180	360
(2-methoxymethylethoxy) propanol	34590-94-8	240	480
citral	5392-40-5	27	54
isopentyl acetate	123-92-2	250	500

8.2. Exposure controls

Technical exposure controls:

Use engineering controls to reduce air contamination to permissible exposure level.
 Explosion-proof general and local exhaust ventilation.

Personal protection:

8.2.1. Professional users (production, transport, storage):

a) Respiratory protection – is not necessary under normal conditions with sufficient ventilation, required during exposure to high concentrations of vapours. Wear mask or respirator completed with the filter type A

b) Hand protection – required protective gloves in case of prolonged or frequently repeated exposure to the product. Wear protective gloves made of: butyl rubber, neoprene, nitrile rubber, polyvinylchloride, thickness min. 0,4 – 0,7mm. The Breakthrough Time > 480 min. Material of gloves must be resistant to the product. As the product is a mixture of several substances, the resistance of material of gloves can not be calculated in advance and therefore has to be checked before use. From the manufacturer's advice should be obtained information about the time of the penetration of substances and such time must be respected. The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. It is recommended to change gloves and replace them immediately if you notice any signs of wear, damage (rupture, perforation) or changes in appearance (color, flexibility, shape).

c) Eye protection – recommended protective glasses

d) Skin protection – recommended protective clothing

8.2.2. Consumer user (use of handling packaging):

There aren't required special protection, it's recommended to wash hands after contact with product before eating or smoking

Environmental exposure controls:

Do not allow to enter large amounts of product into ground water, sewage, waste water or soil.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:	liquid
Odour:	characteristic
Odour threshold:	no data
pH:	no data
Melting point/freezing point:	no data
Initial boiling point and boiling range:	no data
Flash point:	> 35°C
Evaporation rate:	no data

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Flammability:	product contains flammable components
Upper/lower flammability or explosive limits:	no data
Vapour pressure:	no data
Vapour density:	no data
Density:	no data
Solubility in water:	no data
Solubility in other solvents:	no data
Partition coefficient: n-octanol/water:	no data
Auto-ignition temperature:	no data
Decomposition temperature:	no data
Viscosity:	no data
Explosive properties:	no data
Oxidising properties:	no data

9.2. Other information no data

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data

10.2. Chemical stability

Stable under normal conditions (see Section 7 - storage conditions)

10.3. Possibility of hazardous reactions

No data

10.4 Conditions to avoid

Open flame, other ignition sources.

10.5. Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

Acute toxicity:

Acute Oral Toxicity: No data available for product

Acute Dermal Toxicity: No data available for product

Acute Inhalation Toxicity: No data available for product

Acute toxicity of hazardous components:

Acute Oral Toxicity LD50 (rat): 293 mg/kg (regarding coumarin)

Acute Oral Toxicity LD50 (rat): 1500 mg/kg (regarding benzyl benzoate)

Acute Oral Toxicity LD50 (rat): 1320 mg/kg (regarding 4-methoxybenzyl alcohol)

Acute Oral Toxicity LD50 (rat): 380 mg/kg (regarding allyl 3-cyclohexylpropionate)

Acute Oral Toxicity LD50 (guinea pig): 280 mg/kg (regarding allyl hexanoate)

Acute Dermal Toxicity LD50 (rabbit): 820 mg/kg (regarding allyl hexanoate)

Acute Dermal Toxicity LD50 (rabbit): 1600 mg/kg (regarding allyl 3-cyclohexylpropionate)

ATE value (estimated) after swallowing > 2000 mg/kg – product isn't classified as acute toxicity (swallowing) hazardous acc. to Regulation (EC) No 1272/2008

ATE value (estimated) after skin contact > 2000 mg/kg – product isn't classified as acute toxicity (skin contact) hazardous acc. to Regulation (EC) No 1272/2008

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ATE value (estimated) after inhalation > 20 mg/dm³/4h (vapours) – product isn't classified as acute toxicity (inhaled) hazardous acc. to Regulation (EC) No 1272/2008

Skin corrosion/irritation: product classified as irritant (hazard category 2)

Serious eye damage/irritation: product classified as irritant (hazard category 2)

Respiratory or skin sensitisation: product classified as skin sensitizing. It contains allergens: limonene, ethyl 2,3-epoxy-3-phenylbutyrate, allyl 3-cyclohexylpropionate, coumarin, 4-methoxybenzyl alcohol, piperonal, citral, pin-2(10)-ene, pin-2(3)-ene

Germ cell mutagenicity: hazardous ingredients of the product aren't mentioned on the list of mutagenic substances

Carcinogenicity: hazardous ingredients of the product aren't mentioned on the list of carcinogenic substances

Reproductive toxicity: product contains hazardous ingredients mentioned on the list of reproductive toxicity substances: 2-methoxypropanol at content lower than classification level (< 0,3 % w/w)

STOT-single exposure: product classifies as hazardous – narcosis (hazard category 3), inhalation of high concentrations of vapours may cause drowsiness and dizziness

STOT-repeated exposure: no data available

Aspiration hazard: not classified as hazardous. May be fatal if swallowed and enters airways. Product of low viscosity. Ingestion causes abdominal pain, vomiting with aspiration risk and aspiration pneumonia

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity: no data for product

12.2. Persistence and degradability: no data for product

12.3. Bioaccumulative potential: no data for product

12.4. Mobility in soil: no data for product

12.5. Results of PBT and vPvB assessment: ingredients of product don't meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

12.6. Other adverse effects:

Product classified as toxic to the aquatic environment, may cause long-term adverse effects in the aquatic environment. In trade form product poses high risk to the environment.

Take all care that the product has not penetrated into the soil, drinking water sources, water tanks etc.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

Dispose of waste in accordance with all Federal, State and Local regulations.

Waste of product: communicate with the manufacturer of the product on the possibility of processing waste. If it's not possible, deliver it to utilization in plants permitted to waste collection, transport, waste recovery and disposal. Do not empty into drains. Recovery or disposal of waste product should be made in accordance with applicable regulations.

Disposing of the packaging: it is prohibited to burn them on the ground. Act like with waste of product.

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SECTION 14: TRANSPORT INFORMATION

14.1. UN number:	1266
14.2. UN proper shipping name:	PERFUMERY PRODUCTS with flammable solvents
14.3. Transport hazard class:	3
14.4. Packing group:	III
14.5. Environmental hazards:	yes
14.6. Special precautions for user:	see section 7.1.
Overland transport ADR	
Classification code:	F1
Warning label:	3
Code of movement restriction through underpass:	D/E
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code:	no data



SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council from 18.12.2006 concerning the Registration, Evaluation, Authorization and Restriction from Chemicals (REACH)
 - Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
 - Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
 - Commission Regulation (EC) No 790/2009 of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
 - Commission Regulation (EU) No 286/2011 of 10 March 2011 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
 - Commission Regulation (EU) No 618/2012 of 10 July 2012 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
 - Commission Regulation (EU) No 487/2013 of 8 May 2013 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
 - Commission Regulation (EU) No 944/2013 of 2 October 2013 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
 - Commission Regulation (EU) No 605/2014 of 5 June 2014 amending, for the purposes of introducing hazard and precautionary statements in the Croatian language and its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
 - European agreement concerning international road transport of dangerous products (ADR)
- Federal, State and Local regulations.*

15.2. Chemical safety assessment

Chemical safety assessment was not made for the product

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SECTION 16. OTHER INFORMATION

Explanation of symbols and phrases referring hazardous substances contained in product:

Flam. Liq. 3 Flammable liquids, Hazard Category 3
 Acute Tox. 3 (oral) Acute Toxicity (swallowing) Hazard Category 3
 Acute Tox. 4 (oral) Acute Toxicity (swallowing) Hazard Category 4
 Acute Tox. 4 (derm) Acute Toxicity (skin contact) Hazard Category 4
 Acute Tox. 3 (inh) Acute Toxicity (inhalation) Hazard Category 3
 Acute Tox. 4 (inh) Acute Toxicity (inhalation) Hazard Category 4
 Skin Irrit. 2 Skin corrosion/irritation, Hazard Category 2
 Eye Dam. 1 Serious eye damage/eye irritation, Hazard Category 1
 Eye Irrit. 2 Serious eye damage/eye irritation, Hazard Category 2
 Skin Sens. 1 Skin Sensitizing, Hazard Category 1
 Repr. 1B Reproductive toxicity, Hazard Category 1B
 Repr 2 Reproductive toxicity, Hazard Category 2
 STOT SE 3 Specific target organ toxicity – Single exposure, Hazard Category 3
 Asp. Tox. 1 Aspiration hazard, Hazard Category 1
 Aquatic Acute 1 Hazardous to the aquatic environment – Acute, Hazard Category 1
 Aquatic Chronic 1 Hazardous to the aquatic environment – Chronic, Hazard Category 1
 Aquatic Chronic 2 Hazardous to the aquatic environment – Chronic, Hazard Category 2
 Aquatic Chronic 3 Hazardous to the aquatic environment – Chronic, Hazard Category 3

H226 Flammable liquid and vapour
 H301 Toxic if swallowed
 H302 Harmful if swallowed
 H304 May be fatal if swallowed and enters airways
 H312 Harmful in contact with skin
 H315 Causes skin irritation
 H317 May cause an allergic skin reaction
 H318 Causes serious eye damage
 H319 Causes serious eye irritation
 H331 Toxic if inhaled
 H332 Harmful if inhaled
 H335 May cause respiratory irritation
 H336 May cause drowsiness or dizziness
 H360D May damage the unborn child
 H361f Suspected of damaging fertility
 H400 Very toxic to aquatic life
 H410 Very toxic to aquatic life with long lasting effects
 H411 Toxic to aquatic life with long lasting effects
 H412 Harmful to aquatic life with long lasting effects

Explanation of abbreviations and acronyms used in the MSDS:

CAS – Chemical Abstracts Service

WE – the number assigned to chemicals in the European Inventory of Existing Commercial Chemical Substances or European List of Notified Chemical Substances, or in the list of chemicals listed in the publication of "No-longer polymers"

STEL – short term exposure limits maximum of a substance harmful to health in the workplace

LTEL – long term exposure limits maximum of a substance harmful to health in the workplace

PBT – persistence, bioaccumulation potential and toxicity

vPvB – very high durability and very bioaccumulative

UN number – identification number of the material (the number of UN, UN number)

ADR – European Agreement concerning the international carriage of dangerous goods by road

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MSDS was prepared in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Classification of product was made based on physical-chemical properties and content of hazardous components, according to the Regulation (EC) No 1272/2008.

Training: persons, who work with this product, should be trained respecting to properties and way of use this product. Use appropriately according to producer data.

Source of data: this MSDS was prepared based on MSDS of ingredients, data of product, our knowledge and experience according to actual legislation.

ECHA European Chemicals Agency

Botanic, Cosmetic, Flavor and Fragrance Ingredient Information

Recommendation and restriction of use: Use according to label. Additional safety information available at producer.

Disclaimer: information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. End user is responsible for inappropriate use of information enclosed in MSDS or inappropriate use of product.

Update 03.11.2015 regarding section 1 – 16.

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier:

Trade name: **APPLE** (regarding series of products: WOOD, NUVO, CONCEPT, MAGIC LEAF, TASOTTI PAPER, EXCELLENT, ORGANIC, NATURAL FRESH, CAR FRESH CONTROL, VERSO, MAGIC WOOD, SMALL WOOD, FRAGRANT LEAF, LUXURY SERIES, CLASSIC, REFILL)

1.2. Relevant identified uses of the substance or mixture and uses advised against:

1.2.1. Relevant identified uses

Fragrance composition, air refresher

1.2.2. Uses advised against

No data

1.3. Details of the supplier of the safety data sheet:

Tasotti

Address: ul. Sudecka 4, 62-800 Kalisz

Tel.: +48 62 7536354

Fax: +48 62 7536355

e-mail: info@tasotti.com.pl

Person responsible for MSDS: Sebastian Cichy, e-mail: info@tasotti.eu

1.4. Emergency telephone number:

+48 42 631 47 25 – National Poisons Information Centre, Łódź, Poland

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

According to the Regulation (WE) no 1272/2008

Flam. Liq. 3 – Flammable liquids, Hazard Category 3 with assigned phrase H stating the type of hazard:
 H226 Flammable liquid and vapour

Skin Irrit. 2 – Skin corrosion/irritation, Hazard Category 2 with assigned phrase H stating the type of hazard:
 H315 Causes skin irritation

Eye Irrit. 2 – Serious eye damage/eye irritation, Hazard Category 2 with assigned phrase H stating the type of hazard:
 H319 Causes serious eye irritation

Skin Sens. 1 – Skin sensitisation, Hazard Category 1 with assigned phrase H stating the type of hazard:
 H317 May cause an allergic skin reaction

STOT SE 3 – Specific target organ toxicity after single exposure, Hazard Category 3, narcosis with assigned phrase H stating the type of hazard
 H336 May cause drowsiness or dizziness

Aquatic Chronic 2 – Hazardous to the aquatic environment, CHRONIC, Hazard Category 23 with assigned phrase H stating the type of hazard
 H411 Toxic to aquatic life with long lasting effects

Health hazard: irritating to skin and eyes, skin sensitizing, high concentrations of vapours may cause drowsiness and dizziness

Environmental Hazards: product classified as hazardous to environment, toxic to aquatic life with long lasting effects

Physical/chemical hazards: product contains flammable solvents, vapours form flammable mixtures with air

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2.2. Label elements

According to the Regulation (WE) 1272/2008

Pictograms:



Signal Word: Warning

Hazard statements:

H226 Flammable liquid and vapour
 H315 Causes skin irritation
 H317 May cause an allergic skin reaction
 H319 Causes serious eye irritation
 H336 May cause drowsiness or dizziness
 H411 Toxic to aquatic life with long lasting effects

Precautionary Statement:

P102 Keep out of reach of children
 P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 P264 Wash hands and face thoroughly after handling
 P273 Avoid release to the environment
 P333 + P313 If skin irritation or rash occurs: Get medical advice/attention
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Hazardous Ingredients: 1-methoxypropan-2-ol, 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one, coumarin, limonene, [3R-(3 α ,3a β ,7 β ,8a α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one

Allergens at content higher than 0,1 % w/w: eugenol, 7-hydroxycitronellal, pin-2(10)-ene, geranyl acetate, cinnamaldehyde, citral

2.3. Other hazards:

The mixture doesn't meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.
 The mixture doesn't contain SVHC substances above 0,1 % w/w.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

The product is a mixture. Content: hazardous ingredients listed below, additives not classified as hazardous or at concentration below applicable concentrations or specific concentration limits.

The classification of hazardous substances contained in the product is given in Table 3.1 of Annex VI to the Regulation of the European Parliament and Council Regulation (EC) No 1272/2008 including it's amends, REACH data, the manufacturer and available literature data.

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No CAS	No WE	Index number	REACH registration number	Chemical name	Quantity	Hazard category	H phrases
34590-94-8	252-104-2	not assigned	01-2119450011-60-xxxx	(2-methoxymethylethoxy) propanol*	≤ 60 % w/w	-	-
107-98-2	203-539-1	603-064-00-3	01-2119457435-35-xxxx	1-methoxypropan-2-ol*	≤ 30 % w/w	Flam. Liq. 3, STOT SE 3	H226, 336
1222-05-5	214-946-9	603-212-00-7	01-2119488227-29-xxxx	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylinden[5,6-c]pyran / galaxolide	< 5 % w/w	Aquatic Acute 1, Aquatic Chronic 1	H400, 410
121-33-5	204-465-2	not assigned	01-2119516040-60-xxxx	vanilin	< 2 % w/w	Eye Irrit. 2	H319
127-51-5	204-846-3	not assigned	no data	3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	< 2 % w/w	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1B, Aquatic Chronic 2	H315, 317, 319, 411
104-54-1	203-212-3	not assigned	01-2119934496-29-xxxx	cinnamyl alcohol	< 2 % w/w	Skin Irrit. 2, Eye Irrit. 2	H315, 319
122-97-4	204-587-6	not assigned	no data	3-phenylpropan-1-ol	< 2 % w/w	Skin Irrit. 2, Eye Irrit. 2	H315, 319
1335-46-2	215-635-0	not assigned	01-2119471851-35-xxxx	Ionone, methyl-	< 2 % w/w	Skin Irrit.2, Eye Irrit. 2, Aquatic Chronic 2	H315, 319, 411
32388-55-9	251-020-3	not assigned	01-2119969651-28-xxxx	[3R-(3α,3aβ,7β,8α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one	< 2 % w/w	Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1	H317, 400, 410
91-64-5	202-086-7	not assigned	01-2119943756-26-xxxx	coumarin	< 2 % w/w	Acute Tox. 3 (oral), Acute Tox. 3 (derm), Acute Tox. 3 (inh), Skin Sens. 1B, Aquatic Chronic 2	H301, 311, 331, 317, 411
138-86-3	205-341-0	601-029-00-7	01-2119529223-47-xxxx	dipentene / limonene	< 2 % w/w	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1B, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1	H226, 304, 315, 317, 400, 410
115-95-7	204-116-4	not assigned	01-2119454789-19-xxxx	linalyl acetate	< 0,5 % w/w	Skin Irrit. 2, Eye Irrit. 2	H315, 319
97-53-0	202-589-1	not assigned	01-2119971802-33-xxxx	eugenol	< 0,5 % w/w	Eye Irrit. 2, Skin Sens. 1B	H317, 319
107-75-5	203-518-7	not assigned	01-2119973482-31-xxxx	7-hydroxycitronellal	< 0,5 % w/w	Eye Irrit. 2, Skin Sens. 1B	H317, 319
128-37-0	204-881-4	not assigned	01-2119565113-46-xxxx	2,6-di-tert-butylp-cresol	< 0,5 % w/w	Aquatic Acute 1, Aquatic Chronic 1	H400, 410
576-26-1	209-400-1	604-006-00-X	01-2119552794-29-xxxx	2,6-xilenol	< 0,5 % w/w	Acute Tox. 3 (oral), Acute Tox. 3 (derm), Skin Corr.1B, Eye Dam. 1, Aquatic Chronic 2	H301, 311, 314, 318, 411
127-91-3	204-872-5	not assigned	01-2119519230-54-xxxx	pin-2(10)-ene	< 0,5 % w/w	Flam. Liq. 3, Skin Irrit. 2, Skin Sens.1B, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1	H226, 304, 315, 317, 400, 410
105-87-3	203-341-5	not assigned	01-2119973480-35-xxxx	geranyl acetate	< 0,5 % w/w	Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 2	H315, 317, 411
5392-40-5	226-394-6	605-019-00-3	01-2119462829-23-xxxx	citral*	< 0,5 % w/w	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1B	H315, 317, 319
26651-96-7	247-878-3	not assigned	no data	7,11-dimethyldodeca-4,6,10-trien-3-one	< 0,5 % w/w	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1B	H315, 317, 319

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104-55-2	203-213-9	not assigned	01-2119935242-45-xxxx	cinnamaldehyde	< 0,5 % w/w	Acute Tox. 4 (derm), Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1	H312, 315, 317, 319
1589-47-5	216-455-5	603-106-00-0	no data	2-methoxypropanol	< 0,1 % w/w	Flam. Liq. 3, Repr. 1B, STOT SE 3, Skin Irrit. 2, Eye Dam. 1	H226, 360D, 335, 315, 318

M-factor for environment hazardous substance (CAS no 1222-05-5, 32388-55-9, 138-86-3, 128-37-0, 127-91-3)

Acute hazard: M = 1

Chronic hazard: M = 1

* Substance for which there are Community workplace exposure limits

For the wording of the listed H phrases and hazard category refer to section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General recommendations

In the event of health problems, immediately contact doctor. Show MSDS of product.

Never give anything by mouth to an unconscious person.

Protection of first aid responders

Do not take any action that would create a risk to the rescuer unless suitable training.

Contamination of the skin: Remove contaminated clothing. Contaminated areas of the skin wash thoroughly with soap. In the case of persistent irritation consult a doctor.

Contamination of the eye: Flush contaminated eyes with wide-open eyelids a continuous stream of water for about 15 minutes. Remove contact lenses, if present and easy to do. In the case of persistent irritation consult an ophthalmologist.

Inhalation: Remove victim from exposure, provide fresh air. Place victim in a reclining position. If breathing is difficult, give oxygen, in the absence of breath use artificial respiration. Seek medical advice immediately.

Ingestion: Rinse mouth thoroughly with water. Do not induce vomiting. Give to drink a glass of water. Contact with doctor immediately and show product label.

4.2. Most important symptoms and effects, both acute and delayed

Acute symptoms – product can cause irritation of skin and eyes

Delayed symptoms – prolonged or repeated contact with product may cause allergic skin reaction

Effects of exposure – inhalation of high concentrations of vapours may cause drowsiness and dizziness

4.3. Indication of any immediate medical attention and special treatment needed

Note to Physician: No specific antidote, treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing agents: CO₂, powders and foam alcohol resistant, water spray

Small fire extinguished with carbon dioxide (CO₂) or powder (ABC or BC), a large fire - use foam or water currents eventually dispersed. Precipitated mixture of fumes by dispersed water jets.

Extinguishing media which must not be used for safety reasons: a strong jet of water – the risk of fire spreading and environment contamination

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5.2. Special hazards arising from the substance or mixture

The combustion of the product may produce carbon oxides and other toxic gases. Avoid inhalation of combustion products, may pose a threat to health.

5.3. Advice for fire-fighters: strictly apply the breathing apparatus and protective clothing for fire fighting or during clean-up work immediately after a fire in an enclosed or poorly ventilated areas.

General: inform about the fire, call the appropriate emergency services. Remove from the endangered area unauthorized persons, not involved in extinguishing the fire, order evacuation if necessary.

Additional notes: vapours of product form flammable/explosive mixtures with air. Vapours are heavier than air, accumulate at the surface of the earth and lower parts of the rooms. Tanks and packaging which are not covered by the fire, exposed to fire or high temperature should be cooled by water from a safe distance (risk of explosion), and if possible removed from the hazardous area. Fire residues and contaminated waters dispose in according to applicable regulations. Do not introduce contaminated waters into drains.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with releasing product. Avoid contact with skin and eyes. Avoid breathing vapours. Use personal protective equipment, especially respiratory protection in case of vapour/fumes/aerosols of product. Inform about the accident, call the appropriate emergency services (e.g. Fire Brigade, Police). Remove from the hazardous area all persons not taking part in the emergency, order evacuation if necessary. Remove sources of ignition, announce prohibition of smoking and using sparking tools. Provide adequate ventilation.

6.2. Environmental precautions

Do not allow to enter drains, groundwater, soil and open water courses. Spilled product protect against spreading using dams or barriers. In case of water contamination inform local authorities.

6.3. Methods and material for containment and cleaning up

In case of container leakage, spillage of the product, protect the source of leak, pour the product into an empty container or place damaged container in an emergency one. Remove all possible sources of ignition in the zone of danger. Small amounts of spilled product soak up with non-flammable, absorbent material (sand, diatomite, universal binders, etc.) gather in closed container for disposal and utilized. Perform clean up work with adequate ventilation. Contaminated surface rinse with water with detergent.

6.4. Reference to other sections

Personal protective equipment – section 8

Waste disposal – section 13

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with liquid, avoid vapour inhalation. Ensure adequate ventilation /exhaust in the workplace, prevent the formation of harmful concentrations of vapour in the air, work in well ventilated areas. Observe good personal hygiene and wear protective clothing in accordance with information set out in section 8.

Special measures for protection against fire and explosion: Prevent formation of flammable /explosive concentrations of vapour in the air, eliminate sources of ignition - don't use open flames, don't smoke.

Industrial hygiene

- ensure good ventilation (overall and local exhausted ventilation),
- ensure place for eyes and skin rinsing,
- wash hands with soap and water before eating, smoking and after work,
- use general caution while working with chemical substances.

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7.2. Conditions for safe storage, including any incompatibilities

Store only in properly labelled, sealed containers in a well ventilated warehouse.

Protect against heat, contact with potential sources of ignition, direct sunlight.

At the warehouse not smoke, eat, use open flame and sparking tools.

7.3. Specific end use(s)

Fragrance composition

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational Exposure Limit Value (Poland):

Hazardous Ingredients	No CAS	LTET, mg/m ³	STEL, mg/m ³
1-methoxypropan-2-ol	107-98-2	180	360

(2-methoxymethylethoxy) propanol	34590-94-8	240	480
citral	5392-40-5	27	54

8.2. Exposure controls

Technical exposure controls:

Use engineering controls to reduce air contamination to permissible exposure level.

Explosion-proof general and local exhaust ventilation.

Personal protection:

8.2.1. Professional users (production, transport, storage):

a) Respiratory protection – is not necessary under normal conditions with sufficient ventilation, required during exposure to high concentrations of vapours. Wear mask or respirator completed with the filter type A

b) Hand protection – required protective gloves in case of prolonged or frequently repeated exposure to the product. Wear protective gloves made of: butyl rubber, neoprene, nitrile rubber, polyvinylchloride, thickness min. 0,4 – 0,7mm. The Breakthrough Time > 480 min. Material of gloves must be resistant to the product. As the product is a mixture of several substances, the resistance of material of gloves can not be calculated in advance and therefore has to be checked before use. From the manufacturer's advice should be obtained information about the time of the penetration of substances and such time must be respected. The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. It is recommended to change gloves and replace them immediately if you notice any signs of wear, damage (rupture, perforation) or changes in appearance (color, flexibility, shape).

c) Eye protection – recommended protective glasses

d) Skin protection – recommended protective clothing

8.2.2. Consumer user (use of handling packaging):

There aren't required special protection, it's recommended to wash hands after contact with product before eating or smoking

Environmental exposure controls:

Do not allow to enter large amounts of product into ground water, sewage, waste water or soil.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:	liquid
Odour:	characteristic
Odour threshold:	no data
pH:	no data
Melting point/freezing point:	no data

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Initial boiling point and boiling range:	no data
Flash point:	> 35°C
Evaporation rate:	no data
Flammability:	product contains flammable components
Upper/lower flammability or explosive limits:	no data
Vapour pressure:	no data
Vapour density:	no data
Density:	no data
Solubility in water:	no data
Solubility in other solvents:	no data
Partition coefficient: n-octanol/water:	no data
Auto-ignition temperature:	no data
Decomposition temperature:	no data
Viscosity:	no data
Explosive properties:	no data
Oxidising properties:	no data

9.2. Other information no data

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data

10.2. Chemical stability

Stable under normal conditions (see Section 7 - storage conditions)

10.3. Possibility of hazardous reactions

No data

10.4 Conditions to avoid

Open flame, other ignition sources.

10.5. Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

Acute toxicity:

Acute Oral Toxicity: No data available for product

Acute Dermal Toxicity: No data available for product

Acute Inhalation Toxicity: No data available for product

Acute toxicity of hazardous components:

Acute Oral Toxicity LD50 (rat): 293 mg/kg (regarding coumarin)

ATE value (estimated) after swallowing > 2000 mg/kg – product isn't classified as acute toxicity (swallowing) hazardous acc. to Regulation (EC) No 1272/2008

ATE value (estimated) after skin contact > 2000 mg/kg – product isn't classified as acute toxicity (skin contact) hazardous acc. to Regulation (EC) No 1272/2008

ATE value (estimated) after inhalation > 20 mg/dm³/4h (vapours) – product isn't classified as acute toxicity (inhaled) hazardous acc. to Regulation (EC) No 1272/2008

Skin corrosion/irritation: product classified as irritant (hazard category 2)

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Serious eye damage/irritation: product classified as irritant (hazard category 2)

Respiratory or skin sensitisation: product classified as skin sensitizing. It contains allergens: 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one, [3R-(3 α ,3 α β ,7 β ,8 α)]-1-(2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one, coumarin, limonen, eugenol, 7-hydroxycitronellal, pin-2(10)-ene, geranyl acetate, cinnamaldehyde, citral

Germ cell mutagenicity: hazardous ingredients of the product aren't mentioned on the list of mutagenic substances

Carcinogenicity: hazardous ingredients of the product aren't mentioned on the list of carcinogenic substances

Reproductive toxicity: product contains hazardous ingredients mentioned on the list of reproductive toxicity substances: 2-methoxypropanol at content lower than classification level (< 0,3 % w/w)

STOT-single exposure: product classifies as hazardous – narcosis (hazard category 3), inhalation of high concentrations of vapours may cause drowsiness and dizziness

STOT-repeated exposure: no data available

Aspiration hazard: not classified as hazardous. May be fatal if swallowed and enters airways. Product of low viscosity. Ingestion causes abdominal pain, vomiting with aspiration risk and aspiration pneumonia

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity: no data for product

12.2. Persistence and degradability: no data for product

12.3. Bioaccumulative potential: no data for product

12.4. Mobility in soil: no data for product

12.5. Results of PBT and vPvB assessment: ingredients of product don't meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

12.6. Other adverse effects:

Product classified as toxic to the aquatic environment, may cause long-term adverse effects in the aquatic environment. In trade form product poses high risk to the environment.

Take all care that the product has not penetrated into the soil, drinking water sources, water tanks etc.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

Dispose of waste in accordance with all Federal, State and Local regulations.

Waste of product: communicate with the manufacturer of the product on the possibility of processing waste. If it's not possible, deliver it to utilization in plants permitted to waste collection, transport, waste recovery and disposal. Do not empty into drains. Recovery or disposal of waste product should be made in accordance with applicable regulations.

Disposing of the packaging: it is prohibited to burn them on the ground. Act like with waste of product.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number:

1266

14.2. UN proper shipping name:

PERFUMERY PRODUCTS with flammable solvents

14.3. Transport hazard class:

3

14.4. Packing group:

III

14.5. Environmental hazards:

yes

14.6. Special precautions for user:

see section 7.1.

Overland transport ADR



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Classification code: F1

Warning label: 3

Code of movement restriction through underpass: D/E

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code: no data

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council from 18.12.2006 concerning the Registration, Evaluation, Authorization and Restriction from Chemicals (REACH)
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
- Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- Commission Regulation (EC) No 790/2009 of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- Commission Regulation (EU) No 286/2011 of 10 March 2011 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- Commission Regulation (EU) No 618/2012 of 10 July 2012 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- Commission Regulation (EU) No 487/2013 of 8 May 2013 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- Commission Regulation (EU) No 944/2013 of 2 October 2013 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- Commission Regulation (EU) No 605/2014 of 5 June 2014 amending, for the purposes of introducing hazard and precautionary statements in the Croatian language and its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures
- European agreement concerning international road transport of dangerous products (ADR)
Federal, State and Local regulations.

15.2. Chemical safety assessment

Chemical safety assessment was not made for the product

SECTION 16. OTHER INFORMATION

Explanation of symbols and phrases referring hazardous substances contained in product:

Flam. Liq. 3 Flammable liquids, Hazard Category 3
 Acute Tox. 3 (oral) Acute Toxicity (swallowing) Hazard Category 3
 Acute Tox. 4 (oral) Acute Toxicity (swallowing) Hazard Category 4
 Acute Tox. 4 (derm) Acute Toxicity (skin contact) Hazard Category 4
 Acute Tox. 3 (inh) Acute Toxicity (inhalation) Hazard Category 3
 Acute Tox. 4 (inh) Acute Toxicity (inhalation) Hazard Category 4
 Skin Irrit. 2 Skin corrosion/irritation, Hazard Category 2
 Eye Dam. 1 Serious eye damage/eye irritation, Hazard Category 1
 Eye Irrit. 2 Serious eye damage/eye irritation, Hazard Category 2
 Skin Sens. 1 Skin Sensitizing, Hazard Category 1
 Repr. 1B Reproductive toxicity, Hazard Category 1B

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Repr 2 Reproductive toxicity, Hazard Category 2
 STOT SE 3 Specific target organ toxicity – Single exposure, Hazard Category 3
 Asp. Tox. 1 Aspiration hazard, Hazard Category 1
 Aquatic Acute 1 Hazardous to the aquatic environment – Acute, Hazard Category 1
 Aquatic Chronic 1 Hazardous to the aquatic environment – Chronic, Hazard Category 1
 Aquatic Chronic 2 Hazardous to the aquatic environment – Chronic, Hazard Category 2
 Aquatic Chronic 3 Hazardous to the aquatic environment – Chronic, Hazard Category 3

H226 Flammable liquid and vapour
 H301 Toxic if swallowed
 H302 Harmful if swallowed
 H304 May be fatal if swallowed and enters airways
 H312 Harmful in contact with skin
 H315 Causes skin irritation
 H317 May cause an allergic skin reaction
 H318 Causes serious eye damage
 H319 Causes serious eye irritation
 H331 Toxic if inhaled
 H332 Harmful if inhaled
 H335 May cause respiratory irritation
 H336 May cause drowsiness or dizziness
 H360D May damage the unborn child
 H361f Suspected of damaging fertility
 H400 Very toxic to aquatic life
 H410 Very toxic to aquatic life with long lasting effects
 H411 Toxic to aquatic life with long lasting effects
 H412 Harmful to aquatic life with long lasting effects

Explanation of abbreviations and acronyms used in the MSDS:

CAS – Chemical Abstracts Service

WE – the number assigned to chemicals in the European Inventory of Existing Commercial Chemical Substances or European List of Notified Chemical Substances, or in the list of chemicals listed in the publication of "No-longer polymers"

STEL – short term exposure limits maximum of a substance harmful to health in the workplace

LTEL – long term exposure limits maximum of a substance harmful to health in the workplace

PBT – persistence, bioaccumulation potential and toxicity

vPvB – very high durability and very bioaccumulative

UN number – identification number of the material (the number of UN, UN number)

ADR – European Agreement concerning the international carriage of dangerous goods by road

MSDS was prepared in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Classification of product was made based on physical-chemical properties and content of hazardous components, according to the Regulation (EC) No 1272/2008.

Training: persons, who work with this product, should be trained respecting to properties and way of use this product. Use appropriately according to producer data.

Source of data: this MSDS was prepared based on MSDS of ingredients, data of product, our knowledge and experience according to actual legislation.

ECHA European Chemicals Agency

Botanic, Cosmetic, Flavor and Fragrance Ingredient Information

Recommendation and restriction of use: Use according to label. Additional safety information available at producer.

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Update 03.11.2015 regarding section 1 – 16.