



SAFETY DATA SHEET

Prepared in accordance with Commission Regulation (EU) 2015/830 amending Regulation (EC) No 1907/2006 (REACH)
Edition 03 Date of issue 29.01.2014 Update 11.06.2015

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

1.1. Product identifier:

Trade name: **LEMON** (relates to a series of products: WOOD, NUVO, CONCEPT, EXCELLENT, TOY FRESH, CLASSIC, VIVI FRESH, CAR FRESH CONTROL, ULTIMATE FRESH)

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

1.2.1. Relevant identified uses

Fragrance composition

1.2.2. Uses advised against

No data

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

Opal Products Limited
Unit 6 Swannington Road
Cottage Lane Industrial Estate
Broughton Astley
Leicester
LE9 6TU

TEL: +44 (0) 1455 286887 e-mail: enquires@opalproducts.co.uk

1.4. Emergency telephone number:

+44 7071 223 738

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

According to the Regulation (WE) no 1272/2008 (as amended)

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

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

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

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

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

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

According to the Directive 1999/45/EC (as amended)

Irritant with assigned phrase R:

R 38 – Irritating to skin

Sensitizer with assigned phrase R:

R 43 – May cause sensitization by skin contact

Dangerous for environment with assigned phrases R:

R 50/53 – Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Other hazards:

R 67 – Vapours may cause drowsiness and dizziness

Health hazard: irritating to skin and eye, skin sensitizing, vapours may cause drowsiness and dizziness

Environmental Hazards: very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

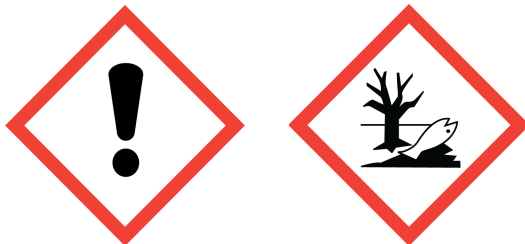
Physical / chemical hazards: no data

Fire hazard: flammable product, vapours form flammable mixtures with air

2.2. Label elements

According to the Regulation (WE) 1272/2008

Pictograms:



Signal Word: Warning

Hazard statements:

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

P264 Wash hands and face thoroughly after handling

P273 Avoid release to the environment

P302 + P352 IF ON SKIN: Wash with plenty of soap and water

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

P337 + P313 If eye irritation persists: Get medical advice/attention.

Hazardous Ingredients: limonene, citral, geraniol, 1-methoxy-2-propanol

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: 1-methoxy-2-propanol, (2-methoxymethyl-ethoxy)propanol* CAS No 34590-94-8, fragrance composition

The classification of hazardous substances contained in the product is given in Table 3.2 of Annex VI to the Regulation of the European Parliament and Council Regulation (EC) No 1272/2008 (Regulation GHS), including it's amends, the manufacturer and available literature data.

No CAS	No WE	Index number	REACH registration number	Chemical name	Quantity	Hazard category	H, R phrases
107-98-2	203-539-1	603-064-00-3	no data	1-methoxy-2-propanol*	min. 30 % w/w	Flam. Liq. 3, STOT SE 3** -***	H226, 336 R10-67
7705-14-8	231-732-0	601-029-00-7	no data	(±)-1-methyl-4-(1-methylvinyl)cyclohexene / limonene	15 – 30 % w/w	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1** Xi, N***	H226, 315, 317, 400, 410 R10-38-43-50/53
25279-09-8	246-788-1	not assigned	no data	2,6-dimethyloct-7-en-2-yl formate	2,5 – 5 % w/w	Skin Irrit. 2, Eye Irrit. 2** Xi***	H315, 319 R36/38
112-31-2	203-957-4	not assigned	no data	decanal	0,5 – 2,5 % w/w	Skin Irrit. 2, Aquatic Chronic 3** Xi***	H315, 412 R38-52/53
106-24-1	203-377-1	not assigned	no data	geraniol	0,5 – 2,5 % w/w	Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1** Xi***	H315, 317, 318 R38-41-43
142-92-7	205-572-7	not assigned	no data	hexyl acetate	0,5 – 2,5 % w/w	Flam. Liq. 3, Aquatic Chronic 2** N***	H226, 411 R10-51/53
124-13-0	204-683-8	not assigned	no data	octanal	0,5 – 2,5 % w/w	Flam. Liq. 3, Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 3** Xi***	H226, 315, 319, 412 R10-36/38-52/53
124-19-6	204-688-5	not assigned	no data	nonanal	0,5 – 2,5 % w/w	Skin Irrit. 2, Aquatic Chronic 3** Xi***	H315, 412 R38-52/53
586-62-9	209-578-0	not assigned	no data	p-mentha-1,4(8)-diene	0,5 – 2,5 % w/w	Asp. Tox. 1, Aquatic Chronic 2** Xn, N***	H304, 411 R51/53-65
5392-40-5	226-394-6	605-019-00-3	no data	citral*	0,5 – 2,5 % w/w	Skin Irrit. 2, Skin Sens. 1** Xi***	H315, 317 R38-43
111-87-5	203-917-6	not assigned	no data	octan-1-ol	< 0,5 % w/w	Eye Irrit. 2, Aquatic Chronic 2** Xi, N***	H319, 411 R36-51/53
80-56-8	201-291-9	not assigned	no data	pin-2(3)-ene	< 0,5 % w/w	Flam. Liq. 3, Acute Tox. 4 (oral), Skin Irrit. 2, Eye Irrit. 2, Aquatic Acute 1, Aquatic Chronic 1** Xn, Xi, N***	H226, 302, 315, 319, 400, 410 R10-22-36/38-50/53
79-92-5	201-234-8	not assigned	no data	camphene	< 0,5 %	Flam. Liq. 3, Skin Irrit. 2,	H226, 315,

					w/w	Aquatic Acute 1, Aquatic Chronic 1**	400, 410
						Xi, N***	R10-36-50/53
99-87-6	202-796-7	not assigned	no data	p-cymene	< 0,5 % w/w	Flam. Liq. 3, Acute Tox. 4 (oral), Acute Tox. 4 (inh), Acute Tox. 4 (derm), Skin Irrit. 2, Eye Irrit. 2, STOT SE 3**	H226, 302, 312, 315, 319, 332, 335
						Xn, Xi***	R10-20/21/22-36/37/38
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
						Repr. Cat. 2, Xi***	R10-37/38-41-61

* Substance for which there are Community workplace exposure limits

** Classification according to Regulation (WE) 1272/2008

*** Classification according to the Directive 67/548/EEC (as amended)

For the wording of the listed risk 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.

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 causes skin and eye irritation

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

Effects of exposure – contact with the vapours of product 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

5.2. Special hazards arising from the substance or mixture

The combustion of the product may produce carbon oxides and 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 liquid 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

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
Propanol, 1(or 2)-(2-methoxymethylethoxy)-	34590-94-8	240	480
3,7-Dimethylocta-2,6-dienal (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:	no data
Evaporation rate:	no data
Flammability:	no data
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, acids and alkalis.

10.6 Hazardous decomposition products

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

SECTION 11: TOXICOLOGICAL INFORMATION

There have been no toxicological tests for the product. Toxicological classification of product has been made on the basis of toxicological data for hazardous components.

11.1. Information on toxicological effects:

Acute toxicity

Acute Oral Toxicity: No data available

Acute Dermal Toxicity: No data available

Acute Inhalation Toxicity: No data available

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 sensitizer. Contains allergens: limonene, citral, geraniol

Germ cell mutagenicity: No data available. Hazardous ingredients of the product aren't mentioned on the list of mutagenic substances

Carcinogenicity: No data available. Hazardous ingredients of the product aren't mentioned on the list of carcinogenic substances.

Reproductive toxicity: No data available. Product contains hazardous ingredient 2-methoxypropanol, which is mentioned on the list of reproductive toxicity substances, at content below classification level.

STOT-single exposure: Vapours may cause drowsiness and dizziness

STOT-repeated exposure: No data available

Aspiration hazard: No data available

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Acute Toxicity to fish: no data

Acute Toxicity to aquatic invertebrates: no data

12.2. Persistence and degradability: no data

12.3. Bioaccumulative potential: no data

12.4. Mobility in soil: product spreads in the soil and the water environment

12.5. Results of PBT and vPvB assessment: no data

12.6. Other adverse effects:

Product classified as very 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.

Ecotoxicological data for hazardous components (limonene):

Acute Toxicity to fish: (*Pimephales promelas*): LC50 (96h): 0,702mg/dm³

Acute Toxicity to aquatic invertebrates: (*Daphnia magna*) EC50 (48h): 0,421mg/dm³

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: 3082

14.2. UN proper shipping name: Environmentally hazardous substances, liquid N.O.S.

14.3. Transport hazard class: 9

14.4. Packing group: III

14.5. Environmental hazards: yes

14.6. Special precautions for user: see section 7.1

Road transport (ADR):

Classification code:

M6

Warning label:

9

Packing instruction:

P001

Code of movement restriction through underpass: E



14.7. Transport in bulk according to Annex II of MARPOL 73/78 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) No. 453/2010 of 20 May 2010 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
 - Dangerous Substance Directive 67/548/EEC, Dangerous Preparations Directive 1999/45/EC
 - 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. 4 (oral) Acute Toxicity (swallowing) Hazard Category 4
 Acute Tox. 4 (inh) Acute Toxicity (inhalation) Hazard Category 4
 Acute Tox. 4 (derm) Acute Toxicity (skin contact) 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, Respiratory tract irritation
 STOT SE 3 Specific target organ toxicity – Single exposure, Hazard Category 3, Narcosis
 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
 H302 Harmful if swallowed
 H304 May be fatal if swallowed and enters airways
 H312 Harmful in contact with skin
 H314 Causes severe skin burns and eye damage
 H315 Causes skin irritation
 H317 May cause an allergic skin reaction
 H318 Causes serious eye damage
 H319 Causes serious eye irritation
 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

Xn – Harmful
 Xi – Irritant
 N – Dangerous for environment
 Repr. Cat. 2 – Harmful to reproduction category 2

R 10 Flammable
R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed
R 22 Harmful if swallowed
R 36 Irritating to eyes
R 36/37/38 Irritating to eyes, respiratory system and skin
R 36/38 Irritating to eyes and skin
R 37/38 Irritating to respiratory system and skin
R 38 Irritating to skin
R 41 Risk of serious damage to eyes
R 43 May cause sensitization by skin contact
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R 61 May cause harm to the unborn child
R 65 Harmful: may cause lung damage if swallowed
R 67 Vapours may cause drowsiness and dizziness

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

LEL – lower explosive limit

UEL – upper explosive limit

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

RID – Regulations concerning the International Carriage of Dangerous Goods

IMDG – International Maritime Dangerous Goods Code

ICAO – Technical Instructions for the Safe Transport of Dangerous Goods by Air

MSDS was prepared in accordance with Commission Regulation (EU) No. 453/2010 of 20 May 2010 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 Directive 1999/45/EC (as amended) and 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.

IUCLID International Uniform Chemical Information Database

ESIS European Chemical Substances Information System

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 from 10.12.2014 regarding section 9.