

The safety data sheet complies with Commission Regulation (EU) 878/2020 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) .

OV1 L

Creation date	19th October 2017	Version	2
Revision date	17th June 2024		

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier OV1 L
Substance / mixture mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against
Mixture's intended use

Protective layer.

The use descriptors

IS Use at industrial sites
PW Widespread use by professional workers

Mixture uses advised against

The product should not be used in ways other than those referred in Section 1.

1.3. Details of the supplier of the safety data sheet

Supplier

Name or trade name	NOVATO
Address	Uralská 770/6, Praha, 160 00 Czech Republic
Identification number (CRN)	62910370
VAT Reg No	CZ62910370
Phone	+420 233 339 688
E-mail	petr.johanides@novato.cz
Web address	www.novato.cz

Competent person responsible for the safety data sheet

Name	ABITEC
E-mail	info@abitec.cz

1.4. Emergency telephone number

European emergency number: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Flam. Liq. 3, H226
Asp. Tox. 1, H304
STOT SE 3, H336
Aquatic Chronic 2, H411

Most serious adverse physico-chemical effects

The mixture is flammable. Protect from heat sources, open flames and hot surfaces. Do not expose to direct sunlight and elevated temperatures. Keep away from sources of ignition - No smoking. Keep the package tightly closed.

Most serious adverse effects on human health and the environment

Inhalation of vapors can cause headaches, fatigue, drowsiness, lassitude, even narcotic states, in extreme cases, unconsciousness. Ingestion of liquid into the respiratory system during ingestion or aspiration of vomit during subsequent vomiting may cause bronchopneumonia or pulmonary edema. Direct contact with the eyes may slightly irritate the eyes (watering, burning or even conjunctivitis). Frequent or long-term contact with the skin causes drying or cracking of the skin or even dermatitis. The mixture is classified as dangerous for the environment. Follow the instructions for use to avoid risks to people and the environment. The liquid is lighter than water and can cover the surface of the water. Avoid release to soil, ground or surface water or sewers. The full wording of the classification and H phrases is given in Sect. 16 of this safety data sheet.

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2.2. Label elements

Hazard pictogram



Signal word

Danger

Hazard statements

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing mist/vapours.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container to according to applicable regulations.

Supplemental information

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Neither the mixture nor its components meet the criteria for persistent, bioaccumulative and toxic or highly persistent and highly bioaccumulative substances in accordance with Annex XIII, nor have they been included in the list drawn up in accordance with Article 59, paragraph 1, due to the content of endocrine disruptors, nor has it been determined as a substance with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture.

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
EC: 932-020-9	Hydrocarbons, C8-C9, isoalkanes	<90	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411 Specific concentration limit: STOT SE 3, H336: C ≥ 20 % Aquatic Chronic 2, H411: C ≥ 25 %	1

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Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
EC: 927-241-2 Registration number: 01-2119471843-32	Hydrocarbons C9-C10, n-alkanes, isoalkanes, cycloalkanes, < 2% aromatics	10-15	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 3, H412 Specific concentration limit: STOT SE 3, H336: C ≥ 20 % Aquatic Chronic 3, H412: C ≥ 25 %	1

Notes

1 A substance for which exposure limits are set.

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

In the event of health problems or in case of doubt, consult a doctor and provide him with the information from this safety data sheet. In case of life-threatening conditions, perform resuscitation. Place the unconscious person in a stable position, keep them calm and warm, do not give anything by mouth. Avoid catching cold. Do not induce vomiting. In case of spontaneous vomiting, prevent inhalation of vomitus. If a burn occurs during a fire, cool the burn with cold water and cover with a clean cloth.

If inhaled

In case of inhalation, interrupt the exposure, leave the contaminated area, rinse the oral cavity with water, breathe fresh air. Aspiration into the lungs during ingestion or subsequent vomiting may cause lung damage. Seek medical attention if respiratory tract irritation or breathing difficulties occur. If necessary (respiratory arrest or irregular breathing), perform artificial respiration.

If on skin

Wash the skin thoroughly with soap and water, treat with a regenerating cream. If clothing becomes contaminated, remove clothing. Seek medical attention if symptoms of irritation occur.

If in eyes

If the victim wears contact lenses, remove them. With the eyes wide open, flush from the inner corner of the eye towards the outer with a large amount of clean, lukewarm water, especially the area under the lids. Rinse for at least 10-15 min. If pain or irritation persists, seek medical attention.

If swallowed

Do not induce vomiting, rinse the mouth with water, drink a glass of water (only if the victim is conscious). In case of spontaneous vomiting, keep the head low to avoid inhalation into the lungs. Seek medical attention and present this safety data sheet.

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

If inhaled

Inhalation of vapors can cause headaches, fatigue, drowsiness, malaise, in extreme cases even narcotic states, or unconsciousness.

If on skin

Frequent or long-term contact with the skin causes drying or cracking of the skin or even dermatitis.

If in eyes

Direct contact with the eyes may slightly irritate the eyes (watering, burning, even conjunctivitis).

If swallowed

Ingestion of liquid into the respiratory system during ingestion or aspiration of vomit after vomiting may cause bronchopneumonia or pulmonary edema.

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

With normal use of the mixture, immediate medical attention is not necessary. Medical assistance is required in case of ingestion, breathing problems or persistent complaints. It is required if the symptoms reach a certain degree, according to the data in paragraphs 4.1 and 4.2; is symptomatic. Symptoms of poisoning after ingestion of the liquid fraction may appear only after several hours, therefore medical supervision is required at least 48 hours after the accident.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Multipurpose powders, CO₂, alcohol resistant foam

Unsuitable extinguishing media

Full stream of water. Crushed water can be used to cool the containers near the fire.

5.2. Special hazards arising from the substance or mixture

Incomplete combustion, heating or fire can release toxic gases (CO_x, hydrocarbons, etc.). Do not inhale decomposition products.

5.3. Advice for firefighters

Self-contained breathing apparatus and non-flammable emergency suit. Use non-sparking tools. Remove mixture tanks out of reach of fire if you can do so without risk. Cool containers near fire with water spray or cover with foam. Combustion residues and water after intervention should be disposed of as hazardous waste.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Prevent the entry of unauthorized persons, mark and isolate the escape area. Ensure adequate ventilation of the spill area, prevent inhalation of vapors and sprayed mixture. Avoid contact with skin and eyes - use personal protective equipment. Eliminate possible sources of ignition, do not handle open flames, do not smoke, do not expose to direct sunlight. Use non-sparking tools, avoid electrostatic charge.

6.2. Environmental precautions

Stop the leak, prevent the mixture from spreading. Secure the area of the leak, prevent leakage into the sewer, soil, surface and underground water (by fencing off the leak site, covering sewer inlets, oil barriers, etc.). In the event of a large leak, monitor the NPK concentration or TLV and inform the appropriate state authorities and stream or sewer manager.

6.3. Methods and material for containment and cleaning up

Provide adequate ventilation, stop leakage. In case of a larger leak, pump out the mixture. In the event of a minor leak, cover with a suitable non-flammable sorbent (sand, diatomaceous earth, earth, vapex, universal sorbent, etc.). Store the used sorbent in a closable waste container, label and dispose of it as hazardous waste. Wash contaminated surfaces. If the package is damaged, transfer it to a replacement package and label it properly again.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ensure sufficient ventilation of the work area. Use solvent-resistant tools. Avoid contact with open flames and other sources of ignition. Don't smoke. Use non-sparking tools. Take precautions against static electricity discharges.

Avoid contact with eyes, skin and clothing, do not inhale vapors and sprayed mixture, use personal protective equipment according to section 8. Pay attention to the applicable legal regulations on occupational safety and health protection. Observe the principles of hygiene when working with chemicals, do not eat, drink or smoke while working. Wash your hands with warm soapy water before breaks, meals and after work. Ensure against confusion with drinks.

7.2. Conditions for safe storage, including any incompatibilities

Store tightly closed with the cap facing upwards in the original packaging in a dry and well-ventilated place. Protect from weather and direct sunlight. Storage temperature: 5 – 20 °C. Store away from heat sources. Store away from strong acids and oxidizing agents. Store away from food, drink and feed. Flammable II. hazard classes Observe the general regulations on the storage of combustibles. Follow the directions on the label.

Storage temperature max. 20 °C

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture does not contain any constituents of national exposure limits specified in Annex 2, Government Decree 361/2007 Coll., As amended or European Union for Work Environment.

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Czech Republic

Government Regulation 330/2023 Coll.

Substance name (component)	Type	Value
Hydrocarbons, C8-C9, isoalkanes	PEL	400 mg/m ³
	NPK-P	1000 mg/m ³
Hydrocarbons C9-C10, n-alkanes, isoalkanes, cycloalkanes, < 2% aromatics	PEL	400 mg/m ³
	NPK-P	1000 mg/m ³

DNEL

Hydrocarbons C9-C10, n-alkanes, isoalkanes, cycloalkanes, < 2% aromatics					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	1500 mg/m ³ /8h	Chronic effects systemic		
Workers	Dermal	300 mg/kg bw/day	Chronic effects systemic		

Hydrocarbons, C8-C9, isoalkanes					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	2035 mg/m ³ /8h	Chronic effects systemic		
Workers	Dermal	773 mg/kg bw/day	Chronic effects systemic		

8.2. Exposure controls

Ensure sufficient ventilation, or extraction of the working space. In case of exceeding NPK-P, use appropriate respiratory protection. Avoid contact with skin and eyes, do not inhale vapors or sprayed mixture. Observe hygienic measures for working with chemicals. Do not eat, drink or smoke while working. Wash your hands with lukewarm water and soap before breaks, meals and after work. Adapt personal protective equipment to the nature of the work.

Eye/face protection

Closed safety glasses.

Skin protection

Protective workwear resistant to solvents. Wash affected skin, remove contaminated clothing, wash before further use. Protective gloves - material nitrile rubber > 0.12 mm, penetration time > 60 min. - accidental impact of nitrile rubber > 0.38 mm, penetration time > 480 min. - long-term exposure. When choosing, follow the manufacturer's recommendations, the material must be impermeable and resistant to the components of the mixture. Test at a specific workplace before first use. Replace damaged gloves. Leather gloves are not suitable.

Respiratory protection

It is not necessary if the recommended method of use and sufficient ventilation is observed. In case of increased risk of inhalation and insufficient ventilation, use a mask with a filter against organic vapors and aerosols, type A/P2.

Thermal hazard

Not Specified. Avoid heating the mixture and exposure to elevated temperatures.

Environmental exposure controls

Observe the usual environmental precautions. Avoid leakage into sewers, underground and surface water and soil.

More information

Ensure compliance with governmental regulation 361/2007 Coll., Laying down the conditions for the protection of health at work, as amended, and to fulfill the obligations contained therein.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state liquid

The safety data sheet complies with Commission Regulation (EU) 878/2020 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) .

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Colour	clear
Odour	characteristic
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	130-162 °C
Flammability	Flammable III. hazard class
Lower and upper explosion limit	
bottom	0.7 %
upper	7 %
Flash point	≥23 °C
Auto-ignition temperature	≥230 °C (Can be significantly lower under special conditions (slow oxidation of finely dispersed material))
Decomposition temperature	data not available
pH	data not available
Kinematic viscosity	0.45 mm ² /s at 40 °C
Solubility in water	insoluble
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	<10 hPa at 20 °C
Density and/or relative density	
Density	0.74 g/cm ³
Relative vapour density	data not available
Particle characteristics	data not available

9.2. Other information

Total VOC content: <100%

Explosive properties: The mixture does not show explosive properties.

Oxidizing properties: The mixture is not classified as oxidizing.

SECTION 10: Stability and reactivity

10.1. Reactivity

When used in the standard way, there is not any dangerous reaction with other substances.

10.2. Chemical stability

The mixture is stable under normal environmental conditions, storage and handling.

10.3. Possibility of hazardous reactions

The mixture does not give rise to hazardous reactions if the operating instructions are followed.

10.4. Conditions to avoid

Elevated temperatures, contact with open flames, possible sources of ignition and hot surfaces, sparks, static electricity. Avoid creating vapor concentrations within explosive limits.

10.5. Incompatible materials

Strong oxidizing agents, strong acids.

10.6. Hazardous decomposition products

Under normal conditions, the mixture does not decompose. Imperfect combustion or thermal decomposition produces dangerous combustion products: CO_x, hydrocarbons, etc.).

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

The mixture meets the criteria for classification according to EC Regulation No. 1272/2008. The mixture is classified as dangerous in the sense of EC Regulation No. 1272/2008, as amended.

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Acute toxicity

The mixture is not classified as acutely toxic by any way of exposure.

Hydrocarbons C9-C10, n-alkanes, isoalkanes, cycloalkanes, < 2% aromatics					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	>15000 mg/kg		Rat (Rattus norvegicus)	
Dermal	LD ₅₀	>3160 mg/kg		Rabbit	
Inhalation	LC ₅₀	>4.951 mg/l	4 hours	Rat (Rattus norvegicus)	

Hydrocarbons, C8-C9, isoalkanes					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	>7100 mg/kg		Rat (Rattus norvegicus)	
Dermal	LD ₅₀	>2200 mg/kg		Rabbit	
Inhalation	LC ₅₀	17300-23300 mg/m ³	4 hours	Rat (Rattus norvegicus)	

Skin corrosion/irritation

Based on the available data, the classification criteria are not met. Long-term contact with the skin can dry out the skin and cause cracking or even dermatitis.

Serious eye damage/irritation

Based on the available data, the classification criteria are not met.

Respiratory or skin sensitisation

Based on the available data, the classification criteria are not met.

Germ cell mutagenicity

Based on the available data, the classification criteria are not met.

Carcinogenicity

Based on the available data, the classification criteria are not met.

Reproductive toxicity

Based on the available data, the classification criteria are not met.

Toxicity for specific target organ - single exposure

The mixture is classified as toxic to specific target organs at single exposure, category 3. Inhalation of vapors or aerosol can cause headache, drowsiness or dizziness, malaise, even narcotic states.

Toxicity for specific target organ - repeated exposure

Based on the available data, the classification criteria are not met.

Aspiration hazard

The mixture is classified as dangerous by inhalation, category 1. Ingestion of the liquid into the respiratory system during ingestion or aspiration of vomit during subsequent vomiting may cause bronchopneumonia or pulmonary edema.

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11.2. Information on other hazards

It does not contain substances causing disruption of the endocrine system. Inhalation of vapors can cause headaches, fatigue, drowsiness, malaise, in extreme cases even narcotic conditions, or unconsciousness. Ingestion of liquid into the respiratory system during ingestion or aspiration of vomit after vomiting may cause bronchopneumonia or pulmonary edema. Direct contact with the eyes may slightly irritate the eyes (watering, burning, even conjunctivitis). Frequent or long-term contact with the skin causes drying or cracking of the skin or even dermatitis.

SECTION 12: Ecological information

12.1. Toxicity

The ecotoxic effects of the mixture were not assessed. Observe the usual environmental precautions.

Acute toxicity

Hydrocarbons C9-C10, n-alkanes, isoalkanes, cycloalkanes, < 2% aromatics				
Parameter	Value	Exposure time	Species	Environment
LL 50	10-30 mg/l	96 hours	Fish (Oncorhynchus mykiss)	
EL 50	22-46 mg/l	48 hours	Invertebrates (Daphnia magna)	
EL 50	>1000 mg/l	72 hours	Pseudokirchneriella subcapitata	
NOELR	<1 mg/l	72 hours	Pseudokirchneriella subcapitata	

Hydrocarbons, C8-C9, isoalkanes				
Parameter	Value	Exposure time	Species	Environment
LL 50	18.4 mg/l	96 hours	Fish (Oncorhynchus mykiss)	
EL 50	2.4 mg/l	48 hours	Invertebrates (Daphnia magna)	
EL 50	10-30 mg/l	72 hours	Pseudokirchneriella subcapitata	
NOELR	6.3 mg/l	72 hours	Pseudokirchneriella subcapitata	

12.2. Persistence and degradability

The mixture is essentially decomposable (according to the mixture supplier's data).

12.3. Bioaccumulative potential

og Pow = 3.6

12.4. Mobility in soil

Data not available.

12.5. Results of PBT and vPvB assessment

The mixture does not contain substances from the PBT and vPvB groups according to Annex XIII of the REACH Regulation, as amended.

12.6. Endocrine disrupting properties

Substances with these properties in accordance with the criteria set out in Commission Regulation (EU) 2017/2100 or (EU) 2018/605 are not included.

12.7. Other adverse effects

The mixture is dangerous for the environment, even a small amount can contaminate drinking water sources. It must not get into the soil, underground or surface water or sewage system. Observe the usual environmental protection measures.

SECTION 13: Disposal considerations

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13.1. Waste treatment methods

Dispose of as hazardous waste. Hand over for disposal to an authorized person for special treatment or to a hazardous waste collection yard. Do not dispose together with municipal waste. Dispose of mixture and packaging residues in accordance with local waste management regulations.

Waste management legislation

Act No. 477/2001 Coll., On Packaging, as amended. Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended.

Waste type code

- 14 06 03* other solvents and solvent mixtures
- 07 06 04* other organic solvents, washing liquids and mother liquors
- 16 05 08* discarded organic chemicals consisting of or containing hazardous substances

Packaging waste type code

- 15 01 10* packaging containing residues of or contaminated by hazardous substances
- (*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

SECTION 14: Transport information

14.1. UN number or ID number

UN 3295

14.2. UN proper shipping name

HYDROCARBONS, LIQUID, N.O.S.

14.3. Transport hazard class(es)

3 Flammable liquids

14.4. Packing group

III

14.5. Environmental hazards

Yes.

14.6. Special precautions for user

Transport in packages that match the properties of the mixture. Observe the prescribed marking for cargo.

14.7. Maritime transport in bulk according to IMO instruments

not relevant

Additional information

Hazard identification No.

30

UN number

3295

Classification code

F1

Safety signs

3+hazardous for the environment



Tunnel restriction code

(D/E)

Marine transport - IMDG

EmS (emergency plan)

F-C, S-V

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SECTION 15: Regulatory information

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

Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. COMMISSION REGULATION (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH). Commission Delegated Regulation (EU) 2021/849 of 11 March 2021 amending, for the purposes of adapting to technical and scientific progress, Part 3 of Annex VI to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labeling and packaging of substances and mixtures. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals.

15.2. Chemical safety assessment

No chemical hazard assessment was performed for this mixture.

More information

This information only indicates the basic regulations listed in this Safety Data Sheet. Please note the possible existence of additional regulations supplementing these Regulations. We refer to all applicable national, international and local regulations and regulations.

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Guidelines for safe handling used in the safety data sheet

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing mist/vapours.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container to according to applicable regulations.

A list of additional standard phrases used in the safety data sheet

EUH066	Repeated exposure may cause skin dryness or cracking.
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Other important information about human health protection

The mixture should not be used for any purpose other than that for which it is intended (see point 1.2). Because the supplier can not control the specific conditions of use of the mixture, it is the responsibility of the user to adapt the prescribed warnings to local laws and regulations. Safety information describes the product in terms of safety and can not be considered as technical product information.

Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EINECS	European Inventory of Existing Commercial Chemical Substances
EL50	Effective Loading for 50% of the tested organisms

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EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC ₅₀	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD ₅₀	Lethal dose of a substance in which it can be expected death of 50% of the population
LL ₅₀	Lethal Loading for 50% of tested organisms
log K _{ow}	Octanol-water partition coefficient
NOEL	No observed effect level
NOELR	No Observed Effect Loading Rate
NPK	Maximum admissible concentration
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
PEL	Permissible Exposure Limit
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Asp. Tox.	Aspiration hazard
Flam. Liq.	Flammable liquid
STOT SE	Specific target organ toxicity - single exposure

Training guidelines

According to § 103 and § 104 of Act No. 262/2006 Coll., The Labor Code, as amended. Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

Manufacturer data and toxicological databases.

The changes (which information has been added, deleted or modified)

Adaptation of BL updated Annex II of the REACH Regulation as amended by Commission Regulation (EU) 2020/878.

Statement



SAFETY DATA SHEET

The safety data sheet complies with Commission Regulation (EU) 878/2020 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) .

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Creation date	19th October 2017	Version	2
Revision date	17th June 2024		

The safety data sheet contains the data needed to ensure safety and health at work and environmental protection. These data correspond to the current state of knowledge and experience and are in accordance with applicable legal regulations. They can not be considered as a guarantee of the suitability and usability of the product for a specific application. The user is responsible for the treatment under existing laws and regulations.

