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) .

NO1 SOL

Creation date	22nd October 2003		
Revision date	15th June 2023	Version	17

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

1.1. Product identifier NO1 SOL

Substance / mixture mixture

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

Mixture's intended use

Degreasing and cleaning organic mixture

The use descriptors

IS	Use at industrial sites
PW	Widespread use by professional workers

Mixture uses advised against

Not specified. It is recommended to be used only for specified uses. Other uses may expose users to unforeseeable risks.

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. 2, H225
Asp. Tox. 1, H304
Skin Irrit. 2, H315
Eye Irrit. 2, H319
STOT SE 3, H336
Aquatic Chronic 2, H411

Most serious adverse physico-chemical effects

The mixture is highly 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. The vapors of the mixture are heavier than air, they accumulate in lower positions. They can form an explosive mixture when mixed with air.

Most serious adverse effects on human health and the environment

Inhalation of vapors can cause headaches, fatigue, drowsiness, malaise, and in extreme cases, narcotic conditions. Ingestion of liquid into the respiratory system during ingestion or aspiration of vomit during subsequent vomiting may cause bronchopneumonia or pulmonary edema. It irritates the skin (redness, itching, burning). Frequent or long -term contact with the skin causes drying or cracking of the skin or even dermatitis. Direct eye contact may cause mild short-term eye irritation. Follow the instructions in the user manual. 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.

2.2. Label elements

Hazard pictogram

Signal word

Danger

Hazard statements

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
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.
P301+P310	IF SWALLOWED: Immediately call a TOXICOLOGICAL INFORMATION CENTER or first aid physician.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331	Do NOT induce vomiting.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container to in accordance with local regulations.

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
CAS: 64742-49-0 EC: 931-254-9 Registration number: 01-2119484651-34	Hydrocarbons, C6, isoalkanes, <5% n-hexane	90-100	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411 Specific concentration limit: Skin Irrit. 2, H315: C ≥ 10 % STOT SE 3, H336: C ≥ 20 % Aquatic Chronic 2, H411: C ≥ 25 %	1
Index: 606-001-00-8 CAS: 67-64-1 EC: 200-662-2	acetone	20-30	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 Specific concentration limit: Eye Irrit. 2, H319: C ≥ 10 % STOT SE 3, H336: C ≥ 20 %	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

If you feel any health problems or if in doubt, seek medical advice and provide information from this Safety Data Sheet. In the case of life-threatening conditions, resuscitate. Keep the unconscious person in a stabilized position and do not give anything by mouth. Avoid cool. Do not induce vomiting. For spontaneous vomiting, avoid inhalation of vomit.

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

Remove clothing if contaminated clothing. Wash the affected area thoroughly with lukewarm water. Seek medical attention if irritation symptoms occur.

If in eyes

If it has affected contact lenses, remove them if possible. Open wide eyes rinse out of the inner corner of the eye toward the outside of a large amount of clean, lukewarm water, especially the area under the lids. Rinse for at least 15 minutes and seek medical attention.

If swallowed

DO NOT INDUCE VOMITING. In case of spontaneous vomiting, avoid inhalation of vomitus. Seek medical attention immediately and present the original label package or 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 conditions, or unconsciousness.

If on skin

Long-term or repeated exposure may cause skin dryness to dermatitis.

If in eyes

Direct eye contact may slightly irritate the eyes (tearing, burning, or inflammation of conjunctivae).

If swallowed

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

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

No immediate medical attention is necessary if the mixture is used normally and adhered to in the instructions for use. Always seek medical advice if swallowed. Following ingestion of the mixture, monitoring of the affected person for at least 24 hours is required. Special treatment is required when symptoms reach a certain degree, as indicated in paragraphs 4.1 and 4.2; is symptomatic.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol resistant foam, multipurpose powders, CO2, water mist, shattered water stream.

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

Highly flammable mixture. Incomplete combustion can produce toxic gases (COx, hydrocarbons, aldehydes, etc.). Do not inhale decomposition products. At elevated temperatures, vapors may develop in the packaging and it may tear. The vapors of the mixture are flammable and heavier than air, they accumulate in lower positions, they can spread over considerable distances. Vapors mixed with air may form an explosive mixture. There is a risk of re-ignition.

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 unauthorized persons from entering, label, secure and isolate leakage area. Ensure adequate ventilation, do not breathe spray mixture or vapors. Remove possible sources of ignition, do not smoke. Avoid contact with skin and eyes - use personal protective equipment.

6.2. Environmental precautions

Stop the leak, prevent the spread of the mixture. Secure the area of the leak, prevent leakage into the sewer, soil, surface and underground water by fencing off the location of the leak, covering sewer inlets, etc. In case of a large leak, monitor NPK concentrations 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

Recommended personal protective equipment according to section 8. Dispose of unused product according to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ensure sufficient ventilation of the work area, also near the floor. Avoid the formation of gases and vapors in incendiary or explosive concentrations and concentrations exceeding the maximum permissible concentration (NPK-P) for the working atmosphere. Prevent inhalation of vapors and sprayed mixture. Avoid contact with open flames and other sources of ignition. Protect from direct sunlight radiation. Use non-sparking tools. Take precautions against static electricity.
WHILE MOVING THE PRODUCT: To prevent ignition of vapors by electrostatic charges, it is necessary ground all metal parts of the equipment. Be careful not to splash when loading of the product and for the product to flow slowly, especially at the beginning of the operation.
ONLY WORK WITH COLD AND DEGASSED TANKS IN VENTILATED PREMISES (TO AVOID THE HAZARD OF EXPLOSION).
Do not use compressed air when filling, emptying or handling.
Protect eyes and skin, do not inhale vapors and sprayed mixture, use personal protective equipment according to Sect. 8. Pay attention to the applicable legal regulations on occupational safety and health protection. Follow the policy
hygiene of working with chemicals, do not eat, drink or smoke while working. Before break, meal and after work wash hands with warm soapy water. Ensure against confusion with drinks.

7.2. Conditions for safe storage, including any incompatibilities

Store in original packaging at a temperature between 0 - 30 °C, short-term up to 50 °C. Store at in dry, well-ventilated places and away from heat sources, protect from direct sunlight radiation, do not smoke. Store away from food, drink and feed.
Follow the general regulations on the storage of combustibles. Follow the directions on the label.

Content	Packaging type	Material of package
10 l	canister	FE
30 l	canister	FE
200 l	barrel / drum	HDPE

Storage temperature max. 30 °C

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ensure compliance with Government Regulation 361/2007 Coll., which establishes conditions for health protection at work,
as amended, and fulfill the obligations contained therein.

Czech Republic **Government Regulation 330/2023 Coll.**

Substance name (component)	Type	Value	Note
Hydrocarbons, C6, isoalkanes, <5% n-hexane (CAS: 64742-49-0)	PEL	70 mg/m³	substance is significantly absorbed through the skin during the exposure, irritating to mucous membranes (eyes, respiratory system) and skin
	NPK-P	200 mg/m³	
Gasolines (technical mixture of hydrocarbons) (CAS: 64742-49-0)	PEL	400 mg/m³	
	NPK-P	1000 mg/m³	
acetone (CAS: 67-64-1)	PEL	800 mg/m³	irritating to mucous membranes (eyes, respiratory system) and skin

Czech Republic **Government Regulation 330/2023 Coll.**

Substance name (component)	Type	Value	Note
acetone (CAS: 67-64-1)	PEL	331,4 ppm	irritating to mucous membranes (eyes, respiratory system) and skin
	NPK-P	1500 mg/m³	
	NPK-P	621,4 ppm	

European Union **Commission Directive 2000/39/EC**

Substance name (component)	Type	Value	Note
acetone (CAS: 67-64-1)	OEL 8 hours	1210 mg/m³	
	OEL 8 hours	500 ppm	

United Kingdom **EH40/2005 Workplace exposure limits (Fourth Edition 2020)**

Substance name (component)	Type	Value	Note
acetone (CAS: 67-64-1)	WEL 8h	1210 mg/m³	
	WEL 8h	500 ppm	
	WEL 15min	3620 mg/m³	
	WEL 15min	1500 ppm	

DNEL

acetone					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	1210 mg/m³	Chronic effects systemic		
Workers	Inhalation	2420 mg/m³	Acute effects local		
Workers	Dermal	186 mg/kg/24h	Chronic effects systemic		

Hydrocarbons, C6, isoalkanes, <5% n-hexane					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	5306 mg/m³/8h	Chronic effects systemic		
Workers	Dermal	13964 mg/kg/24h	Chronic effects systemic		

8.2. Exposure controls

Take off contaminated clothing and wash before reuse. Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. If exposure limits cannot be observed in this mode, suitable protection of airways must be used. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

Tight safety glasses or a face shield.

Skin protection

Protective work clothes made of cotton or synthetic material resistant to high temperatures, antistatic. Solvent-resistant clothing. Wash affected skin, stained
remove the garment, wash before further use. Protective gloves material for long-term or repeated contact: nitrile rubber > 0.45 mm, penetration time: > 480 min. PVA, fluoridated rubber > 0.45 mm, penetration time: > 480 min. Splash protection: nitrile rubber, neoprene > 0.3 mm, penetration time: > 60 min. Observe the recommended break-in time for the glove material. 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.

Respiratory protection

It is not necessary if the recommended method of use and sufficient ventilation is followed. In the case of mist formation, in case of insufficient ventilation or during short-term exposure, use a respirator or a mask with a filter against organic vapors and aerosols, type A. When creating an aerosol, use a respirator with a filter for vapors and particles, type A/P2. In the event of an accident, use self-contained breathing apparatus.

Thermal hazard

The above precautions are for use at normal temperatures. Elevated temperatures or aerosol use may require additional precautions.

Environmental exposure controls

Observe the usual environmental protection measures. Avoid release to sewers, ground 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
Colour	colourless
Odour	characteristic
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	51-61 °C (Hydrocarbons)
Flammability	Flammable Class I.
Lower and upper explosion limit	
bottom	1.2 %
upper	7.1 %
Flash point	<-35 °C (Hydrocarbons)
Auto-ignition temperature	> 230 °C
Decomposition temperature	data not available
pH	data not available
Kinematic viscosity	data not available
Solubility in water	0.0137 g/l
Partition coefficient n-octanol/water (log value)	3.6
Vapour pressure	280 hPa
Density and/or relative density	data not available
Relative vapour density	Heavier than air
Particle characteristics	data not available

9.2. Other information

Appearance	liquid

Oxidising properties	The mixture is not classified as an oxidant
Explosive properties	Solvent vapors can form an explosive mixture when mixed with air.
Content of organic solvents (VOC)	100%

Kinematic viscosity (at 20 °C): 0.45 mm2/s
VOC-EU content: 100% (1 kg/kg)
Explosive properties: Solvent vapors can form an explosive mixture when mixed with air.¨

Oxidizing properties: The mixture is not classified as an oxidant.
Flash point: -18 °C (acetone)
Boiling point or initial boiling point and boiling range: 55.8 - 56.6°C (acetone)

SECTION 10: Stability and reactivity

10.1. Reactivity

In normal conditions, the mixture does not show dangerous reactions.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

The mixture reacts with strong oxidizing agents to form an exothermic reaction. When exposed to high temperatures, there is a risk of vapor development and container rupture. Uncleaned containers may contain vapors which, when mixed with air, can form an explosive mixture.

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

Flammable materials, strong oxidizing agents, strong acids and bases.

10.6. Hazardous decomposition products

Under normal conditions, the mixture is not decomposed. Incomplete combustion or thermal decomposition produces toxic products of combustion (COx, NOx, 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.

Acute toxicity

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

acetone					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD_{50}	5800 mg/kg		Rat	
Dermal	LD_{50}	20000 mg/kg		Rabbit	
Inhalation	LC_{50}	76 mg/l	24 hours	Rat	

Hydrocarbons, C6, isoalkanes, <5% n-hexane					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD_{50}	>16750 mg/kg		Rat	
Dermal	LD_{50}	>3350 mg/kg		Rabbit	
Inhalation	LC_{50}	259354 mg/m³	4 hours	Rat	

Skin corrosion/irritation

The mixture is classified as skin irritant, category 2. Irritating to skin. Long-term or repeated contact with the skin can dry out the skin and cause cracking or even dermatitis.

Serious eye damage/irritation

The mixture is classified as eye irritant, category 2. Causes serious eye irritation.

Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

Germ cell mutagenicity

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

Reproductive toxicity

Based on 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 after single exposure, category 3. Inhalation of vapors can cause headache, drowsiness or dizziness, malaise, even narcotic states. In case of high individual sensitivity, respiratory tract irritation may occur.

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Mixture is classified as toxic by inhalation, category 1. May be fatal if swallowed and enters airways. Liquid entering the respiratory tract when ingested or aspirated by vomiting following vomiting may cause bronchopneumonia or pulmonary edema.

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 during subsequent vomiting may cause bronchopneumonia or pulmonary edema. It irritates the skin (redness, itching, burning). Frequent or long-term contact with the skin causes drying or cracking of the skin or even dermatitis. Direct eye contact may cause mild short-term eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

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

Acute toxicity

acetone				
Parameter	Value	Exposure time	Species	Environment
LC_{50}	5540 mg/l	96 hours	Fish	
EC_{50}	12600 mg/l	48 hours	Invertebrates (Daphnia magna)	
LC_{50}	8300 mg/l	96 hours	Fish (Poecilia reticulata)	

acetone				
Parameter	Value	Exposure time	Species	Environment
NOEC	4740 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)	

Hydrocarbons, C6, isoalkanes, <5% n-hexane				
Parameter	Value	Exposure time	Species	Environment
LL_{50}	18.3 mg/l	96 hours	Fish (Pimephales promelas)	
EL_{50}	31.9 mg/l	48 hours	Invertebrates (Daphnia magna)	
ErL_{50}	13.6 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)	

Chronic toxicity

Hydrocarbons, C6, isoalkanes, <5% n-hexane				
Parameter	Value	Exposure time	Species	Environment
NOELR	4.09 mg/l	28 days	Fish (Oncorhynchus mykiss)	
NOELR	7.14 mg/l	21 days	Invertebrates (Daphnia magna)	

12.2. Persistence and degradability

The mixture is biodegradable Hydrocarbons: > 98%/28 days).
Acetone: biodegradation 91% / 28 days. Biodegradation occurs both aerobically and anaerobically. The product is volatile and evaporates even under normal conditions of temperature and pressure. The vapor phase is degradable by reaction with photochemically produced hydroxyl radicals. Biodegradation half-life: 71 days. Subject to photodecomposition by sunlight.
Biodegradation half-life: 80 days.

12.3. Bioaccumulative potential

Not determined, bioaccumulation is not likely (log Pow = 3.6).

12.4. Mobility in soil

Not determined, the mixture evaporates.

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

Water hazard class: 2 (self-classification) 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

13.1. Waste treatment methods

Dispose of as hazardous waste, hand over to authorized person for disposal (eg disposal in hazardous waste incinerator). Dispose of packaging and packaging residues in accordance with local waste disposal regulations. Do not dispose of with household waste. Do not empty into drains. Uncontaminated or thoroughly cleaned packaging can be handed over for recycling.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Waste type code

15 01 10* packaging containing residues of or contaminated by hazardous substances

Packaging waste type code

14 06 03* other solvents and solvent mixtures

(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

SECTION 14: Transport information

14.1. UN number or ID number

UN 1993

14.2. UN proper shipping name

FLAMMABLE LIQUID, N.O.S.

14.3. Transport hazard class(es)

3 Flammable liquids

14.4. Packing group

II

14.5. Environmental hazards

No.

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

Can not be used.

Additional information

Always carry closed containers in upright position. Transport in packages that match the properties of the mixture. Observe the prescribed marking for cargo.

Hazard identification No.	33
UN number	1993
Classification code	F1
Safety signs	3+hazardous for the environment

Tunnel restriction code	(D/E)

Air transport - ICAO/IATA

Packaging instructions passenger	355
Cargo packaging instructions	366

Marine transport - IMDG

EmS (emergency plan)	F-E, S-E
MFAG	310
Marine pollutant	Yes

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 ammended.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

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic 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.
P301+P310	IF SWALLOWED: Immediately call a TOXICOLOGICAL INFORMATION CENTER or first aid physician.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331	Do NOT induce vomiting.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container to in accordance with local regulations.

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
EC_{50}	Concentration of a substance when it is affected 50% of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EL_{50}	Effective Loading for 50% of the tested organisms
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 Kow	Octanol-water partition coefficient
NOEC	No observed effect concentration
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
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquid
Skin Irrit.	Skin irritation
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.

Recommended restrictions of use

The mixture should not be used for any purpose other than that for which it is intended (see point 1.2). Because the specific conditions of use of the substance are beyond the control of the supplier, 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.

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. First aid principles after the exposure to the chemicals (Zásady pro poskytování první pomoci při expozici chemickým látkám, doc. MUDr. Daniela Pelclová, CSc., MUDr. Alexandr Fuchs, CSc., MUDr. Miroslava Hornychová, CSc., MUDr. Zdeňka Trávníčková, CSc., Jiřina Fridrichovská, prom. chem.). Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

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

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.