

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) .

ANAREZ

Creation date	22nd October 2003	Version	16
Revision date	20th October 2022		

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

1.1. Product identifier ANAREZ
Substance / mixture mixture

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

A compound for removing common rust from corrosive materials.

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
Met. Corr. 1, H290
Skin Corr. 1, H314

Most serious adverse physico-chemical effects

The mixture is strongly acidic. Dissolving the mixture in water produces solutions with very low pH. Danger of violent exothermic reaction on contact with bases. Avoid contact with alkalis and oxidizing agents. The mixture is flammable. Flammable vapors may be released from the mixture. 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.

Most serious adverse effects on human health and the environment

The mixture is strongly acidic. The mixture is irritating to the eyes (tearing, burning, redness) and skin (redness, burning, itching). Direct contact with the eye may cause severe irritation (conjunctivitis, reversible damage). Inhalation of the spray mixture may cause irritation of the mucous membranes and respiratory tract. Abdominal pain, nausea, vomiting and diarrhea may occur if the liquid is ingested. Secure against confusion with beverages and food. The mixture is not classified as harmful to the environment. Leakage of large amounts of the mixture into the environment may affect the pH of the aquatic environment. Follow the instructions for use to avoid risks to humans and the environment. Do not allow to enter soil, ground or surface water or drains. The full text of the classifications and H-phrases is displayed in section 16. 16 of this safety data sheet.

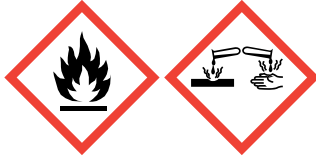
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ANAREZ

Creation date	22nd October 2003	Version	16
Revision date	20th October 2022		

2.2. Label elements

Hazard pictogram



Signal word

Danger

Hazard statements

H226 Flammable liquid and vapour.
 H290 May be corrosive to metals.
 H314 Causes severe skin burns and eye damage.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P233 Keep container tightly closed.
 P260 Do not breathe vapours.
 P280 Wear protective gloves/protective clothing/eye protection or face protection.
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 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.
 P310 Immediately call a doctor.
 P405 Store locked up.
 P501 Dispose of contents/container to in accordance with local regulations.

Supplemental information

EUH018 In use, may form flammable/explosive vapour-air mixture.

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
Index: 015-011-00-6 CAS: 7664-38-2 EC: 231-633-2 Registration number: 01-2119485924-24	orthophosphoric acid	10-20	Skin Corr. 1B, H314 Specific concentration limit: Skin Corr. 1B, H314: C ≥ 25 % Eye Irrit. 2, H319: 10 % ≤ C < 25 % Skin Irrit. 2, H315: 10 % ≤ C < 25 %	1

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) .

ANAREZ

Creation date	22nd October 2003	Version	16
Revision date	20th October 2022		

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 603-002-00-5 CAS: 64-17-5 EC: 200-578-6	ethanol	5-10	Flam. Liq. 2, H225 Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2, H319: C ≥ 50 %	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. Ensure the safety of the rescuer and the rescued. In case of life-threatening conditions, perform resuscitation. Place the unconscious person in a stable position and do not give anything by mouth. Avoid catching cold. Do not induce vomiting. In case of spontaneous vomiting, prevent inhalation of vomitus. In case of skin irritation or burns, rinse with cool water, cover with a sterile bandage and seek medical attention.

If inhaled

Interrupt the exposure, rinse the oral cavity with water, breathe fresh air. Keep the affected person warm and calm. If respiratory tract irritation occurs, seek medical attention. If necessary (respiratory arrest or irregular breathing), perform artificial respiration.

If on skin

Remove affected clothing. Remove obstacles (rings, bracelets, watches, etc.) at the point of contact with the skin. Wipe off the product, wash thoroughly with water if the skin has not been damaged with soap, and treat with a regenerating cream. If clothing becomes contaminated, remove clothing. If signs of irritation or irritation occur, rinse with water, cover with a sterile dressing, and seek medical attention immediately.

If in eyes

Rinse the eyes and their surroundings. 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. Avoid hitting the other eye. Do not neutralize under any circumstances. Rinse for at least 15-30 min., seek medical treatment. Wash the eyes also during transport to the doctor.

If swallowed

DO NOT INDUCE VOMITING, rinse mouth with water. Drink a glass of cold water (if the affected person does not have pain or cramps). Seek medical attention and present this safety data sheet.

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

If inhaled

Inhalation of the spray mixture may cause irritation of the mucous membranes and respiratory tract.

If on skin

The mixture is strongly acidic. The mixture is irritating to the skin (redness, burning, itching).

If in eyes

The mixture is strongly acidic. The mixture is irritating to the eyes (tearing, burning, redness). Direct contact with the eye may cause severe irritation (conjunctivitis, reversible damage).

If swallowed

Abdominal pain, nausea, vomiting and diarrhea may occur if the liquid is ingested.

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

In the case of the usual use of the mixture and following the instructions in the instructions for use, immediate medical assistance is not required. Special treatment is required if symptoms of a certain degree occur, according to the data in sections 4.1 and 4.2; is symptomatic.

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) .

ANAREZ

Creation date	22nd October 2003	Version	16
Revision date	20th October 2022		

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Multipurpose powders, CO₂, foam, water mist, sand.

Unsuitable extinguishing media

Full stream of water.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition at high temperatures or incomplete combustion may produce hazardous decomposition products (CO_x, PO_x, etc.). Do not breathe decomposition products. Solvent vapors are heavier than air and accumulate in lower positions. When mixed with air, they may form an explosive mixture.

5.3. Advice for firefighters

Non-flammable emergency suit, respirator or self-contained breathing apparatus. Keep mixture tanks away from fire if you can do so without risk. Contaminated fire-fighting water may have a very low pH. Combustion residues as well as water after intervention should be disposed of as hazardous waste. Prevent unauthorized entry, secure and insulate spill area. Ensure adequate ventilation, do not breathe spray or mist. Avoid contact with skin and eyes - use personal protective equipment. There is a risk of slipping on spilled mixtures.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Prevent unauthorized entry, secure and insulate spill area. Ensure adequate ventilation, do not breathe spray or mist. Avoid contact with skin and eyes - use personal protective equipment. There is a risk of slipping on spilled mixtures.

6.2. Environmental precautions

Secure the area of the leak, catch the leaking mixture. Avoid release to sewers, soil, surface and ground water. In the event of a large liquid 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

In the event of a large spill, drain the mixture. In case of a small leak, cover with a suitable sorbent (sorbent for acids, sand, sawdust, diatomaceous earth, soil, vermiculite, etc.), store the used sorbent in a closable waste container, mark it and dispose of it as hazardous waste. Wash contaminated area. A small amount after neutralization (NaOH solution, soda, limestone) can be drained. Wash contaminated area with water.

6.4. Reference to other sections

For recommended personal protective equipment, see Section 8. Dispose of unused product according to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ensure adequate ventilation of the work area. Avoid contact with open flames, ignition sources and heat sources. Protect eyes and skin, do not inhale spray mixture or fumes, use personal protective equipment according to sec. 8. Avoid confusion with beverages. Secure the container against tipping over. Keep the work area clean and clear. The work area should be equipped with a source of drinking water to provide first aid. Solvent vapors are heavier than air and accumulate in lower positions. When mixed with air, they may form an explosive mixture. Observe the applicable health and safety legislation. Follow the principles of hygiene when working with chemicals, do not eat, drink or smoke while working. Wash hands with warm soap and water before breaks, meals and after work.

7.2. Conditions for safe storage, including any incompatibilities

Store tightly closed in the original container in a dry and well-ventilated place. Store away from strong bases and oxidizing agents. Store away from food, drink and animal feeding stuffs. The warehouse should be equipped with a source of drinking water.

Content	Packaging type	Material of package
1 l	bottle	HDPE
5 l	jerry can	HDPE

Storage class

8A - Combustible corrosive substances

Storage temperature

min 5 °C, max 30 °C

7.3. Specific end use(s)

not available

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) .

ANAREZ

Creation date	22nd October 2003	Version	16
Revision date	20th October 2022		

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Czech Republic

Government Regulation 330/2023 Coll.

Substance name (component)	Type	Value	Note
orthophosphoric acid (CAS: 7664-38-2)	PEL	1 mg/m ³	irritating to mucous membranes (eyes, respiratory system) and skin
	PEL	0,25 ppm	
	NPK-P	2 mg/m ³	
	NPK-P	0,49 ppm	
ethanol (CAS: 64-17-5)	PEL	1000 mg/m ³	
	PEL	522 ppm	
	NPK-P	3000 mg/m ³	
	NPK-P	1566 ppm	

European Union

Commission Directive 2000/39/EC

Substance name (component)	Type	Value	Note
orthophosphoric acid (CAS: 7664-38-2)	OEL 8 hours	1 mg/m ³	
	OEL 15 minutes	2 mg/m ³	

European Union

EU limits

Substance name (component)	Type	Value	Note
orthophosphoric acid (CAS: 7664-38-2)	OEL 8 hours	1 mg/m ³	
	OEL 15 minutes	2 mg/m ³	

DNEL

ethanol					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	950 mg/m ³	Chronic effects systemic		
Workers	Inhalation	1900 mg/m ³	Chronic effects local		
Workers	Dermal	343 mg/kg/24h	Chronic effects systemic		
orthophosphoric acid					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	10.7 mg/m ³	Chronic effects systemic		
Workers	Inhalation	1 mg/m ³	Chronic effects local		

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) .

ANAREZ

Creation date	22nd October 2003	Version	16
Revision date	20th October 2022		

PNEC

ethanol			
Route of exposure	Value	Value determination	Source
Microorganisms in sewage treatment	580 mg/l		
Freshwater environment	0.96 mg/l		
Marine water	0.79 mg/l		
Soil (agricultural)	0.63 mg/kg		
Freshwater sediment	3.6 mg/kg		
Sea sediments	2.9 mg/kg		

8.2. Exposure controls

Ensure adequate ventilation of the work area. In case of exceeding the NPK-P, use suitable respiratory protection. Avoid contact with skin and eyes, do not inhale spray mixture. Observe hygienic measures when working with chemicals. The work area should be equipped with a source of drinking water. Do not eat, drink or smoke while working. Wash hands with lukewarm soap and water before breaks, meals and after work. Adapt personal protective equipment to the nature of the work.

Eye/face protection

Well-sealing safety glasses. Depending on the nature of the work, a face shield.

Skin protection

Acid-resistant protective workwear. Wash affected skin, remove contaminated clothing, wash before further use. Protective gloves (material, e.g. nitrile 0.35 mm or butyl rubber 0.5 mm, penetration time > 8 hours). 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 there is sufficient ventilation. In case of insufficient ventilation and if the limits are exceeded, use a respirator or half mask with B-P2 filter.

Thermal hazard

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

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

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	brown
Odour	characteristic
Melting point/freezing point	-5 °C
Boiling point or initial boiling point and boiling range	data not available
Flammability	Flammable liquid and vapor, category 3
Lower and upper explosion limit	data not available
Flash point	50 °C
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	1-1.5 (undiluted)
Kinematic viscosity	data not available
Solubility in water	soluble
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available

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) .

ANAREZ

Creation date	22nd October 2003	Version	16
Revision date	20th October 2022		

Density and/or relative density	
Density	1.07 g/cm ³ at 20 °C
Relative vapour density	data not available
Particle characteristics	data not available

9.2. Other information

VOC content: <10%
 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

There is no risk of dangerous reactions if the recommended use is observed. The mixture is strongly acidic, risk of exothermic reaction on contact with bases.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Contact with water or alkalis may cause a dangerous exotherm, heat generation and splashing of the reaction mixture. Reaction with oxidizing agents may liberate hazardous gases. The mixture should be added to the water, not the other way around, slowly and with constant stirring.

10.4. Conditions to avoid

Heating, very high temperatures, frost, contact with incompatible substances.

10.5. Incompatible materials

Strong bases, oxidizing agents, powdered metals.

10.6. Hazardous decomposition products

In normal conditions, the mixture is not decomposed. Thermal decomposition at high temperatures may produce hazardous decomposition products (COx, POx).

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.

ethanol						
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Source
Oral	LD ₅₀	7060 mg/kg		Rat		Data for concentrated substance
Dermal	LD ₅₀	20000 mg/kg		Rabbit		Data for concentrated substance
Inhalation	LC ₅₀	124.7 mg/l	4 hours	Rat		Data for concentrated substance

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) .

ANAREZ

Creation date 22nd October 2003
 Revision date 20th October 2022 Version 16

orthophosphoric acid						
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Source
Oral	LD ₅₀	1530 mg/kg		Rat (<i>Rattus norvegicus</i>)		
Inhalation	LD ₅₀	1.689 mg/l	1 hour	Rabbit		
Dermal	LD ₅₀	2740 mg/kg		Rabbit		

Skin corrosion/irritation

The mixture is classified as corrosive, category 1A. Even in a diluted form, it can have strong irritating or caustic effects on the skin.

Serious eye damage/irritation

The mixture is classified as corrosive, category 1A. Even diluted, it has strong irritating and even caustic effects on the eyes. Contact with a concentrated mixture can cause eye damage and loss of vision.

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

Based on available data the classification criteria are not met.

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Based on available data the classification criteria are not met.

11.2. Information on other hazards

It does not contain substances causing disruption of the endocrine system. It can cause severe irritation (conjunctivitis, reversible damage) to eye damage. The mixture is corrosive to the skin (redness, burning, disruption to burns). Inhalation of the sprayed mixture may cause irritation or damage to the mucous membranes and respiratory tract. Abdominal pain and damage to the digestive tract may occur when the liquid is ingested.

SECTION 12: Ecological information

12.1. Toxicity

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

Acute toxicity

ethanol				
Parameter	Value	Exposure time	Species	Environment
LC ₅₀	15.3 g/l	96 hours	Fish (<i>Pimephales promelas</i>)	

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) .

ANAREZ

Creation date	22nd October 2003	Version	16
Revision date	20th October 2022		

ethanol				
Parameter	Value	Exposure time	Species	Environment
LC ₅₀	5012 mg/l	48 hours	Invertebrates (Daphnia magna)	
NOEC	250 mg/l	120 hours	Fish (Oncorhynchus mykiss)	

orthophosphoric acid				
Parameter	Value	Exposure time	Species	Environment
LC ₅₀	3-3.5 mg/l	96 hours	Fish (Gambusia affinis)	
EC ₅₀	4.6 mg/l	12 hours	Invertebrates (Daphnia magna)	

12.2. Persistence and degradability

The mixture is biodegradable.

12.3. Bioaccumulative potential

Not determined, bioaccumulation is unlikely.

12.4. Mobility in soil

The water-soluble mixture is well mobile in soil and water.

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. Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) 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 not classified as harmful to the environment. The escaping mixture can change the pH of the aqueous medium. Do not allow to enter soil, ground or surface water or drains. Observe the usual environmental precautions.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of as hazardous waste, hand it over to a person authorized to handle hazardous substances or to a hazardous waste collection yard. Dispose of contaminated packaging in the same way as the hazardous mixture itself. Do not empty unused product into drains or dispose of with municipal waste. After neutralization, a small amount can be discharged into the sewer. Dispose of mixture and packaging residues in accordance with local waste disposal regulations.

Waste management legislation

Waste Act No. 185/2001 Coll. as amended. Act No. 477/2001 Coll., On packaging, as amended.

Waste type code

11 01 06* acids not otherwise specified

Packaging waste type code

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

15 01 02 plastic packaging

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

SECTION 14: Transport information

14.1. UN number or ID number

UN 1170

14.2. UN proper shipping name

ETHANOL SOLUTION

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) .

ANAREZ

Creation date	22nd October 2003	Version	16
Revision date	20th October 2022		

14.3. Transport hazard class(es)

3 Flammable liquids

14.4. Packing group

III

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

not relevant

Additional information

Hazard identification No.

30

UN number

1170

Classification code

F1

Safety signs

3



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-D

MFAG

305

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.

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) .

ANAREZ

Creation date	22nd October 2003	Version	16
Revision date	20th October 2022		

H226	Flammable liquid and vapour.
H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

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.
P233	Keep container tightly closed.
P260	Do not breathe vapours.
P280	Wear protective gloves/protective clothing/eye protection or face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
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.
P310	Immediately call a doctor.
P405	Store locked up.
P501	Dispose of contents/container to in accordance with local regulations.

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

EUH018 In use, may form flammable/explosive vapour-air mixture.

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
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
log K _{ow}	Octanol-water partition coefficient
NOEC	No observed effect concentration



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) .

ANAREZ

Creation date	22nd October 2003	Version	16
Revision date	20th October 2022		

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
Flam. Liq.	Flammable liquid
Met. Corr.	Corrosive to metals
Skin Corr.	Skin corrosion

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

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

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

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.