SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended

APC IN

Creation date	18th May 2012	Version	5.0
Revision date	21st August 2025		

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

1.1. Product identifier — APC IN

Substance / mixture — mixture

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

Mixture's intended use

Universal deep cleaner for leather, plastics, textiles and other hard surfaces. Concentrate

Mixture uses advised against

not available

1.3. Details of the supplier of the safety data sheet

Manufacturer

Name or trade name	TENZI Sp. z o.o.
Address	Skarbimierzyce 20, Dołuje, 72-002 Poland
VAT number	PL8512583405
Phone	+48 91 3119777
Email	info@tenzi.pl
Web address	www.tenzi.pl

Competent person responsible for the safety data sheet

Name	technolog@tenzi.pl
Email	technolog@tenzi.pl

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.

Eye Dam. 1, H318

Most serious adverse effects on human health and the environment

Causes serious eye damage.

2.2. Label elements

Hazard pictogram

Signal word

Danger

Hazardous substances

Alcohols, C12-13, ethoxylated
potassium hydroxide

Hazard statements

H318	Causes serious eye damage.

Precautionary statements

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.

Supplemental information

<5 % phosphates, <5 % anionic surfactants, <5 % non-ionic surfactants, <5 % soap, perfumes, Hexamethylindanopyran

2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Does not contain any PMT or vPvM components.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of substances and additives specified below.

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: 160901-19-9 EC: 931-954-4 Registration number: polimer	Alcohols, C12-13, ethoxylated	<4	Acute Tox. 4, H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412 Specific concentration limit: Eye Dam. 1, H318: C > 10 % Eye Irrit. 2, H319: 1 % < C ≤ 10 %	
Index: 603-002-00-5 CAS: 64-17-5 EC: 200-578-6 Registration number: 01-2119457610-43-XXXX	ethanol	<3	Flam. Liq. 2, H225 Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2, H319: C ≥ 50 %	
Index: 603-096-00-8 CAS: 112-34-5 EC: 203-961-6 Registration number: 01-2119475104-44-XXXX	2-(2-butoxyethoxy)ethanol	<3	Eye Irrit. 2, H319	1, 2
CAS: 61789-30-8 EC: 263-049-9 Registration number: Nie dotyczy	Potassium salts of coconut oil fatty acids	<1.5	Skin Irrit. 2, H315 Eye Irrit. 2, H319	
Index: 019-002-00-8 CAS: 1310-58-3 EC: 215-181-3 Registration number: 01-2119487136-33-XXXX	potassium hydroxide	<0.4	Met. Corr. 1, H290 Acute Tox. 4, H302 Skin Corr. 1A, H314 Specific concentration limit: Skin Irrit. 2, H315: 0.5 % ≤ C < 2 % Skin Corr. 1A, H314: C ≥ 5 % Skin Corr. 1B, H314: 2 % ≤ C < 5 % Eye Irrit. 2, H319: 0.5 % ≤ C < 2 %	

Notes

1 *A substance for which exposure limits are set.*

2 *The use of the substance is restricted by Annex XVII of REACH Regulation*

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

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air.

If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. No neutralization should be performed in any case! Rinsing should be continued for 10-30 minutes from the inner to the outer eye corner to make sure that the other eye is not involved.

If swallowed

DO NOT INDUCE VOMITING - even the inducted vomiting can cause complications as in case of detergents and other foaming substances.

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

If inhaled

Mucous membranes may be irritated.

If on skin

Not expected.

If in eyes

Causes serious eye damage.

If swallowed

Corrosion of the digestion system can occur.

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

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Prevent contact with skin and eyes.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent contact with skin and eyes. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in a tightly closed, original plastic container (high density polyethylene HDPE). Store this product in a dry environment that will be maintained at 5°C - 35°C temperature with a good ventilation system and an easy washable, nonabsorbable alkaline resistant floor. DO NOT expose the product to sunlight and keep away from heat, frost, sparks, flame and source of ignition.

Storage temperature min 5 °C, max 35 °C

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

European Union **Commission Directive 2006/15/EC**

Substance name (component)	Type	Value
2−(2−butoxyethoxy)ethanol (CAS: 112−34−5)	OEL 8 hours	67,5 mg/m³
	OEL 8 hours	10 ppm
	OEL 15 minutes	101,2 mg/m³
	OEL 15 minutes	15 ppm

DNEL

2-(2-butoxyethoxy)ethanol				
Workers / consumers	Route of exposure	Value	Effect	Source
Workers	Dermal	20 mg/kg	Chronic effects systemic	SDS
Workers	Inhalation	67.5 mg/l	Chronic effects systemic	SDS
Workers	Inhalation	67.5 mg/l	Chronic effects local	SDS
Consumers	Inhalation	50.6 mg/l	Acute effects local	SDS
Consumers	Dermal	10 mg/kg	Chronic effects systemic	SDS
Consumers	Inhalation	3 mg/l	Chronic effects systemic	SDS
Consumers	Oral	1.25 mg/kg	Chronic effects systemic	SDS
Consumers	Inhalation	34 mg/l	Chronic effects local	SDS

ethanol				
Workers / consumers	Route of exposure	Value	Effect	Source
Workers	Dermal	343 mg/kg	Chronic effects systemic	SDS
Workers	Inhalation	950 mg/m³	Acute effects systemic	SDS
Workers	Dermal	1900 mg/kg	Acute effects systemic	SDS
Consumers	Dermal	206 mg/kg	Chronic effects systemic	SDS
Consumers	Oral	87 mg/kg	Chronic effects systemic	SDS
Consumers	Inhalation	114 mg/m³	Chronic effects systemic	SDS
Consumers	Dermal	950 mg/kg	Acute effects systemic	SDS
Consumers	Inhalation	950 mg/m³	Acute effects systemic	SDS

potassium hydroxide				
Workers / consumers	Route of exposure	Value	Effect	Source
Workers	Inhalation	1 mg/m³	Chronic effects local	SDS
Consumers	Inhalation	1 mg/l	Chronic effects local	SDS

PNEC

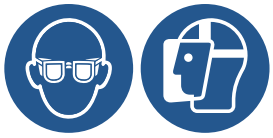
2-(2-butoxyethoxy)ethanol		
Route of exposure	Value	Source
Drinking water	1 mg/l	SDS
Marine water	0.1 mg/l	SDS
Freshwater sediment	4 mg/kg	SDS
Sea sediments	0.4 mg/kg	SDS
Soil (agricultural)	0.4 mg/kg	SDS
Microorganisms in sewage treatment	200 mg/l	SDS
Oral	56 mg/kg	SDS

ethanol		
Route of exposure	Value	Source
Soil (agricultural)	0.63 mg/kg	SDS
Microorganisms in sewage treatment	580 mg/l	SDS
Marine water	0.79 mg/l	SDS
Freshwater sediment	3.6 mg/kg	SDS
Drinking water	0.96 mg/l	SDS

8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. Do not eat, drink and smoke during work.

Eye/face protection



Protective goggles or face shield (based on the nature of the work performed).

Skin protection

Hand protection: Protective gloves resistant to the product. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Contaminated skin should be washed thoroughly.

Respiratory protection

Under regular circumstances it is not necessary.

Thermal hazard

Data not available.

Environmental exposure controls

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	brown
Odour	characteristic of the composition used for
Melting point/freezing point	data not available

Boiling point or initial boiling point and boiling range	data not available
Flammability	data not available
Lower and upper explosion limit	data not available
Flash point	data not available
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	13 (undiluted at 20 °C)
Kinematic viscosity	data not available
Solubility in water	soluble
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	
Density	data not available
Relative density	1.039 g/cm3 (+-) 0.020
Relative vapour density	data not available
Particle characteristics	data not available
Form	brown liquid

9.2. Other information

not available

SECTION 10: Stability and reactivity

10.1. Reactivity

not available

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

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

Hazardous substances in concentrations exceeding exposure limits may cause acute inhalation poisoning, depending on the concentration and duration of exposure. No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

2-(2-butoxyethoxy)ethanol						
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Source
Oral	LD_{50}	2410 mg/kg		Mouse		SDS
Dermal	LD_{50}	2764 mg/kg		Rabbit		SDS

Alcohols, C12-13, ethoxylated						
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Source
Oral	LD_{50}	>300-2000 mg/kg		Rat (Rattus norvegicus)		SDS
Skin	LD_{50}	>2000 mg/kg		Rabbit	F/M	SDS

ethanol						
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Source
Oral	LD_{50}	6.2-15 g/l		Rat (Rattus norvegicus)		SDS
Oral	LDL_0	6000 mg/kg		Human		SDS
	LDL_0	7060 mg/kg		Rat (Rattus norvegicus)		SDS
Inhalation	LC_{50}	<50 mg/l	4 hours	Rat (Rattus norvegicus)		SDS

potassium hydroxide						
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Source
Oral	LD_{50}	273 mg/kg		Rat		SDS

Skin corrosion/irritation

Based on available data the classification criteria are not met.

Alcohols, C12-13, ethoxylated				
Route of exposure	Result	Exposure time	Species	Source
Skin	Not irritating		Rabbit	SDS

Potassium salts of coconut oil fatty acids				
Route of exposure	Result	Exposure time	Species	Source
	Irritating			SDS

Serious eye damage/irritation

Causes serious eye damage.

Alcohols, C12-13, ethoxylated				
Route of exposure	Result	Exposure time	Species	Source
Eye	Serious eye damage		Rabbit	SDS

Potassium salts of coconut oil fatty acids				
Route of exposure	Result	Exposure time	Species	Source
	Irritating			SDS

Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

Alcohols, C12-13, ethoxylated					
Route of exposure	Result	Exposure time	Species	Sex	Source
Skin	No effect		Guinea-pig (Cavia aperea f. porcellus)	F/M	SDS

Germ cell mutagenicity
Based on available data the classification criteria are not met.

Alcohols, C12-13, ethoxylated						
Result	Method	Exposure time	Specific target organ	Species	Sex	Source
No effect	in vivo				F/M	SDS

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

Alcohols, C12-13, ethoxylated						
Route of exposure	Parameter	Value	Result	Species	Sex	Source
			Not carcinogenic		F/M	SDS

Reproductive toxicity
Based on available data the classification criteria are not met.

Alcohols, C12-13, ethoxylated							
Effect	Parameter	Method	Value	Result	Species	Sex	Source
		in vitro		No effect		F/M	SDS
Effects on fertility				No effect		F/M	SDS

Toxicity for specific target organ - single exposure
Based on available data the classification criteria are not met.

Alcohols, C12-13, ethoxylated						
Route of exposure	Parameter	Value	Result	Species	Sex	Source
			No effect			SDS

Toxicity for specific target organ - repeated exposure
Based on available data the classification criteria are not met.

Alcohols, C12-13, ethoxylated								
Route of exposure	Parameter	Value	Exposure time	Specific target organ	Result	Species	Sex	Source
Oral	NOAEL	50 mg/kg	2 years	Heart	Reduced body weight	Rat (Rattus norvegicus)	F/M	SDS

Aspiration hazard
Based on available data the classification criteria are not met.

11.2. Information on other hazards

Endocrine disrupting properties
Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption for humans.

Other information
not available

SECTION 12: Ecological information

12.1. Toxicity
not available

Acute toxicity

2-(2-butoxyethoxy)ethanol							
Parameter	Method	Value	Exposure time	Species	Environment	Value determination	Source
LC_{50}		1300 mg/l		Fish (Lepomis macrochirus)			SDS
EC_{50}		>100 mg/l		Aquatic invertebrates (Daphnia magna)			SDS
EC_{50}	OECD 201	>100 mg/l		Algae (Scenedesmus subspicatus)			SDS
EC_{10}	OECD 209	>1995 mg/l					SDS

Alcohols, C12-13, ethoxylated							
Parameter	Method	Value	Exposure time	Species	Environment	Value determination	Source
LC_{50}	OECD 203	>1-10 mg/l	96 hours	Fish (Poecilia reticulata)		Literary studies	SDS
EC_{50}	OECD 202	>1-10 mg/l	48 hours	Daphnia (Daphnia magna)		Literary studies	SDS
EC_{50}	OECD 201	>1-10 mg/l	72 hours	Algae (Selenastrum capricornutum)		Literary studies, Observation method, Indicator of growth	SDS
NOEC	OECD 201	>1-10 mg/l	72 hours	Algae (Selenastrum capricornutum)		Literary studies, Indicator of growth	SDS
EC_{50}		140 mg/l		Bacteria (Salmonella typhimurium)	Activated sludge	Literary studies	SDS
NOEC	OECD 208	220 mg/l				Literary studies, Reproduction	SDS
NOEC	OECD 208	10 mg/kg		Higher plants		Literary studies, Indicator of growth	SDS

Chronic toxicity

Alcohols, C12-13, ethoxylated							
Parameter	Method	Value	Exposure time	Species	Environment	Value determination	Source
EC_{10}		>0.1-1 mg/l		Fish (Pimephales promelas)		Literary studies	SDS
EC_{10}	OECD 211	>0.1-1 mg/l		Daphnia (Daphnia magna)		Literary studies	SDS

12.2. Persistence and degradability

Surfactants are biodegradable according to the European Parliament and Council Regulation (EC) No. 648/2004 on detergents, as amended.

Biodegradability

Alcohols, C12-13, ethoxylated							
Parameter	Method	Value	Exposure time	Environment	Value determination	Result	Source
	OECD 301B	>60 %	28 days		Literary studies	Easily biodegradable	SDS
	OECD 311	>60 %	69 days			Biodegradable	SDS

12.3. Bioaccumulative potential

Data not available.

12.4. Mobility in soil

Data not available.

Alcohols, C12-13, ethoxylated			
Parameter	Value	Value determination	Source
Koc	>5000	Literary studies	SDS

12.5. Results of PBT and vPvB assessment

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PBT or vPvB components.

12.6. Endocrine disrupting properties

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption in the environment.

12.7. Other adverse effects

Data not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted 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

07 06 04* other organic solvents, washing liquids and mother liquors

Packaging waste type code

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

not subject to transport regulations

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards
No

14.6. Special precautions for user
Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments
not relevant

SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council 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. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents, as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Restrictions pursuant to Annex XVII of Regulation (EC) No. 1907/2006 (REACH), as amended

2-(2-butoxyethoxy)ethanol

Restriction	Conditions of restriction
55	1. Shall not be placed on the market for the first time after 27 June 2010, for supply to the general public, as a constituent of spray paints or spray cleaners in aerosol dispensers in concentrations equal to or greater than 3 % by weight. 2. Spray paints and spray cleaners in aerosol dispensers containing DEGBE and not conforming to paragraph 1 shall not be placed on the market for supply to the general public after 27 December 2010. 3. Without prejudice to other Community legislation concerning the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that paints other than spray paints containing DEGBE in concentrations equal to or greater than 3 % by weight of that are placed on the market for supply to the general public are visibly, legibly and indelibly marked by 27 December 2010 as follows: "Do not use in paint spraying equipment".

15.2. Chemical safety assessment

Chemical safety assessment has not been carried out for the mixture.
Alcohols, C12-13, ethoxylated: Not applicable.
ethanol: A Chemical Safety Assessment has been carried out
Potassium salts of coconut oil fatty acids: the product contains substances for which Chemical Safety Assessments are still required.
potassium hydroxide: A Chemical Safety Assessment has been carried out.
2-(2-butoxyethoxy)ethanol: A Chemical Safety Assessment has been carried out

SECTION 16: Other information

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

H225	Highly flammable liquid and vapour.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

Guidelines for safe handling used in the safety data sheet

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

Acute Tox.	Acute toxicity
ADR	Agreement concerning the international carriage of dangerous goods by road
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
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_{10}	Concentration of a substance when it is affected 10 % of the population
EC_{50}	Concentration of a substance when it is affected 50 % of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency Response Procedures for Ships Carrying Dangerous Goods
EU	European Union
EuPCS	European Product Categorisation System
Eye Dam.	Serious eye damage
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquid
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 Kow	Octanol-water partition coefficient
Met. Corr.	Corrosive to metals
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
OEL	Occupational Exposure Limits
PBT	Persistent, bioaccumulative and toxic
PMT	Persistent, mobile and toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulation concerning the International Carriage of Dangerous Goods by Rail
Skin Corr.	Skin corrosion
Skin Irrit.	Skin irritation
UN number	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

vPvM Very persistent and very mobile

Training guidelines

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

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. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

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

The version 5.0 replaces the SDS version from Thursday, 23 March 2023. Changes were made in sections 1, 2, 11, 12, 13, 15 and 16.

More information

Classification procedure - calculation method.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.