

according to Regulation (EC) No 1907/2006 (REACH) as amended

# **BRAKE CLEANER**

Creation date 25th October 2021

Revision date Version 4.0

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

L.1. Product identifier BRAKE CLEANER

Substance / mixture mixture mixture Number R 34217

UFI 9PR1-83XR-F00F-YEJY

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

Mixture's intended use

Cleaning agent.

### Mixture uses advised against

For professional use only.

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

Supplier

Name or trade name RETECH, s.r.o.

Address Vackova 1541/4, Praha 5 - Stodůlky, 155 00

Czech Republic

Identification number (CRN)25018205VAT Reg NoCZ25018205Phone+420327596428E-mailinfo@retech.czWeb addresswww.retech.com

Competent person responsible for the safety data sheet

Name RETECH, s.r.o. E-mail info@retech.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.

Aerosol 1, H222, H229 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H336 Aquatic Chronic 2, H411

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

# Most serious adverse physico-chemical effects

Extremely flammable aerosol. Pressurised container: May burst if heated.

### Most serious adverse effects on human health and the environment

May cause drowsiness or dizziness. Causes skin irritation. May be fatal if swallowed and enters airways. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.

### 2.2. Label elements

### **Hazard pictogram**







Signal word

Danger



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#### **Hazardous substances**

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

acetone propan-2-ol

#### **Hazard statements**

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

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.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P260 Do not breathe spray.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.
P280 Wear protective gloves/eye protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

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

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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 Store in a well-ventilated place.

P410+P412 Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122 °F.

### **Supplemental information**

>=30 % aliphatic hydrocarbons

### 2.3. Other hazards

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.

### **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: 92128-66-0 EC: 921-024-6 Registration number: 01-2119475514-35	hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	50-<75	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411	
CAS: 67-64-1 EC: 200-662-2 Registration number: 01-2119471330-49	acetone	10-<25	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066	1
CAS: 67-63-0 EC: 200-661-7 Registration number: 01-2119457558-25	propan-2-ol	10-<25	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	
CAS: 124-38-9 EC: 204-696-9	carbon-dioxide	2,5-<10,0	Press. Gas (refrigerated liquefied gas), H281	1



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#### Notes

1 Substance with a Union workplace exposure limit.

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 any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

#### If inhaled

Transfer the affected person to the fresh air and ensure calm environment for body and mind. In case of unconsciousness place patient stably in side position for transportation.

#### If on skin

Immediately wash with water and soap and rinse thoroughly.

### 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. In the event of issues, find medical advice.

#### If swallowed

DO NOT INDUCE VOMITING! Provide medical treatment.

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

### If inhaled

not available

#### If on skin

Causes skin irritation.

### If in eyes

Causes serious eye irritation.

#### If swallowed

not available

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

not available

### **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

### Suitable extinguishing media

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

### Unsuitable extinguishing media

Water - full jet.

### 5.2. Special hazards arising from the substance or mixture

not available

# 5.3. Advice for firefighters

Use a self-contained breathing apparatus and full-body protective clothing.

### **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

Provide sufficient ventilation. Use personal protective equipment for work. Keep unprotected persons away.

### 6.2. Environmental precautions

Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system.

### 6.3. Methods and material for containment and cleaning up

Provide sufficient ventilation. Do not flush with water or aqueous cleansing agents.

# 6.4. Reference to other sections

See the Section 7, 8 and 13.



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### **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace. Do not spray on an open flame or other ignition source. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. No smoking. Take action to prevent static discharges. Pressurised container: May burst if heated. Keep away from sources of heating, ignition and direct sunlight. Do not pierce or burn, even after use.

# 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Protect from sunlight. Keep container tightly closed. Do not expose to temperatures exceeding  $50\,^{\circ}\text{C}$ .

Storage class 2B - Aerosols

### 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 2000/39/EC

Substance name (component)	Туре	Value
postone (CAS: C7 (A 1)	OEL 8 hours	1210 mg/m <sup>3</sup>
acetone (CAS: 67-64-1)	OEL 8 hours	500 ppm

### **European Union**

### Commission Directive 2006/15/EC

Substance name (component)	Туре	Value	
comban diavida (CAC, 134, 30, 0)	OEL 8 hours	9000 mg/m <sup>3</sup>	
carbon-dioxide (CAS: 124-38-9)	OEL 8 hours	5000 ppm	

### **DNEL**

### acetone

Workers / consumers	Route of exposure	Value	Effect	Determining method
Consumers	Oral	62 mg/kg bw/day	Systemic chronic effects	
Consumers	Dermal	62 mg/kg bw/day	Systemic chronic effects	
Workers	Dermal	186 mg/kg bw/day	Systemic chronic effects	
Workers	Inhalation	2420 mg/m <sup>3</sup>	Local acute effects	
Consumers	Inhalation	200 mg/m <sup>3</sup>	Systemic chronic effects	
Workers	Inhalation	1210 mg/m <sup>3</sup>	Systemic chronic effects	

### hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Workers / consumers	Route of exposure	Value	Effect	Determining method
Consumers	Oral	699 mg/kg bw/day	Systemic chronic effects	
Consumers	Dermal	699 mg/kg bw/day	Systemic chronic effects	
Workers	Dermal	773 mg/kg bw/day	Systemic chronic effects	
Consumers	Inhalation	608 mg/m <sup>3</sup>	Systemic chronic effects	
Workers	Inhalation	2035 mg/m <sup>3</sup>	Systemic chronic effects	



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### propan-2-ol

Workers / consumers	Route of exposure	Value	Effect	Determining method
Consumers	Oral	26 mg/kg bw/day	Systemic chronic effects	
Consumers	Dermal	319 mg/kg bw/day	Systemic chronic effects	
Workers	Dermal	888 mg/kg bw/day	Systemic chronic effects	
Consumers	Inhalation	89 mg/m <sup>3</sup>	Systemic chronic effects	
Workers	Inhalation	500 mg/kg	Systemic chronic effects	

### **PNEC**

#### acetone

Route of exposure	Value	Determining method
Freshwater sediment	30.4 mg/kg of dry substance of sediment	
Seawater	1.06 mg/l	
Sea sediments	3.04 mg/kg of dry substance of sediment	
Soil (agricultural)	29.5 mg/kg of dry substance of soil	

### 8.2. Exposure controls

Do not store together with food, drink and animal feed. Remove contaminated clothes immediately. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest. Do not inhale vapours. Do not inhale aerosols. Prevent contact with skin and eyes.

## **Eye/face protection**

Tightly sealed goggles.

### Skin protection

Hand protection: Protective gloves resistant to the product. Material of gloves: Nitrile rubber, NBR. Recommended thickness of the material:  $\geq 0.5$  mm. Penetration time of glove material: > 480 min. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear.

Extremely flammable aerosol.

### **Respiratory protection**

In case of inadequate ventilation wear respiratory protection. Filter A2/P2.

# Thermal hazard

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 transparent

Odour after solvents

Melting point/freezing point data not available

Boiling point or initial boiling point and boiling range 55.8-56.6 °C

Flammability

Lower and upper explosion limit

bottom 0.8 % upper 13.0 % Flash point -17 °C

Auto-ignition temperature data not available
Decomposition temperature data not available
pH data not available
Kinematic viscosity data not available



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Solubility in water almost insoluble
Solubility in fats data not available
Partition coefficient n-octanol/water (log value) data not available
Vapour pressure 246 hPa at 20 °C

Density and/or relative density

Density 0.771 g/cm³ at 20 °C

Form spray data not available

9.2. Other information

Evaporation rate data not available

Explosive properties

The product does not have explosive properties but can be explosive when blanded with air.

explosive when blended with air.

Content of organic solvents (VOC) 95.2 %

Max. VOC content in the product in its ready to use

condition

Product is not selfigniting.

734 g/l

# **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

not available

# 10.5. Incompatible materials

not available

# 10.6. Hazardous decomposition products

Unknown.

# **SECTION 11: Toxicological information**

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

No toxicological data is available for the mixture.

### **Acute toxicity**

Based on available data the classification criteria are not met.

### acetone

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	LD <sub>50</sub>	5800 mg/kg		Rat	
Dermal	LD <sub>50</sub>	7800 mg/kg		Rabbit	
Inhalation	LC <sub>50</sub>	>20 mg/l	4 hour	Rat	

### hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Hydrocarbono, co cry ir antanco, isoantanco, cyches, 45 % ir nexane						
Route of exposure	Parameter	Value	Time of exposure	Species	Sex	
Oral	LD50	>5840 mg/kg		Rat		
Dermal	LD50	>2920 mg/kg		Rabbit		
Inhalation	LC50	>25 mg/l	4 hour	Rat		

# propan-2-ol

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	LD50	5840 mg/kg		Rat	



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### propan-2-ol

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Dermal	LD50	13900 mg/kg		Rabbit	
Inhalation	LC50	25000 mg/m <sup>3</sup>	6 hour	Rat	·

### Skin corrosion/irritation

Causes skin irritation.

### Serious eye damage/irritation

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

May cause drowsiness or dizziness.

### Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

# **Aspiration hazard**

May be fatal if swallowed and enters airways.

# 11.2. Information on other hazards

not available

# **SECTION 12: Ecological information**

### 12.1. Toxicity

## **Acute toxicity**

Toxic to aquatic life with long lasting effects.

### acetone

Parameter	Value	Time of exposure	Species	Environment
EC50	8800 mg/l	48 hour	Invertebrates (Daphnia magna)	
EC50	8300 mg/l	96 hour	Fishes	

# hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Parameter	Value	Time of exposure	Species	Environment
LL 50	11.4 mg/l	96 hour	Fishes (Oncorhynchus mykiss)	
EL 50	3 mg/l	48 hour	Invertebrates (Daphnia magna)	



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hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Parameter	Value	Time of exposure	Species	Environment
EL 50	30-100 mg/l	72 hour	Algae (Pseudokirchneriella subcapitata)	

### propan-2-ol

Parameter	Value	Time of exposure	Species	Environment
LC50	9714 mg/l	24 hour	Invertebrates (Daphnia magna)	
LC50	9640 mg/l	96 hour	Fishes (Pimephales promelas)	

### **Chronic toxicity**

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Parameter	Value	Time of exposure	Species	Environment
LOEC	0.32 mg/l	21 day	Invertebrates (Daphnia magna)	
NOEC	0.17 mg/l	21 day	Invertebrates (Daphnia magna)	
NOELR	3 mg/l	72 hour	Algae (Pseudokirchneriella subcapitata)	

### propan-2-ol

Parameter	Value	Time of exposure	Species	Environment
LOEC	1000 mg/l	8 day	Algae	

### 12.2. Persistence and degradability

Not available.

### 12.3. Bioaccumulative potential

Not available.

### 12.4. Mobility in soil

Not available.

# 12.5. Results of PBT and vPvB assessment

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

not available

### 12.7. Other adverse effects

Ecotoxical effects: Remark: Toxic for fish

Additional ecological information:

General notes: Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water. Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms.

### **SECTION 13: Disposal considerations**



according to Regulation (EC) No 1907/2006 (REACH) as amended

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### 13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. 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

16 03 05 organic wastes containing hazardous substances \*

### Packaging waste type code

metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers \*

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

### **SECTION 14: Transport information**

14.1. UN number or ID number

UN 1950

14.2. UN proper shipping name

**AEROSOLS** 

14.3. Transport hazard class(es)

2 Gases

14.4. Packing group

not relevant

14.5. Environmental hazards

Yes

### 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

### **Additional information**

Stowage Code: SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters. Segregation Code: SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

Hazard identification No.

UN number

Classification code

Safety signs



5F

2.1+hazardous for the environment



### Road transport - ADR

Limited quantities 1L
Excepted quantities E0
Tunnel restriction code (D)

Railway transport - RID



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Marine transport - IMDG

EmS (emergency plan) F-D, S-U Marine Pollutant Yes

### **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 (EC) 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 of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents, as ammended. Product contains reportable explosives precursors: Reporting of suspicious transactions, disappearances and thefts according to Regulation (EU) 2019/1148, Article 9.

### 15.2. Chemical safety assessment

not available

### **SECTION 16: Other information**

A list of standard risk phrases used in the safety data sheet
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H222 Extremely flammable aerosol.
H225 Highly flammable liquid and vapour.
H229 Pressurised container: May burst if heated.

H281 Contains refrigerated gas; may cause cryogenic burns or injury.

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.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P260 Do not breathe spray.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.
P280 Wear protective gloves/eye protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331 Do NOT induce vomiting.

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

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

P403 Store in a well-ventilated place.

P410+P412 Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122 °F.

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

EUH066 Repeated exposure may cause skin dryness or cracking.

### 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

ADR European agreement concerning the international carriage of dangerous goods by

road

BCF Bioconcentration Factor
CAS Chemical Abstracts Service



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CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging of

substance and mixtures

DNEL Derived no-effect level

EC50 Concentration of a substance when it is affected 50% of the population EINECS European Inventory of Existing Commercial Chemical Substances

EL<sub>50</sub> Effective Loading for 50% of the tested organisms

EmS Emergency plan

ES Identification code for each substance listed in EINECS

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

INCI International Nomenclature of Cosmetic Ingredients
ISO International Organization for Standardization
IUPAC International Union of Pure and Applied Chemistry

LC50 Lethal concentration of a substance in which it can be expected death of 50% of the

population

LD50 Lethal dose of a substance in which it can be expected death of 50% of the

population

LL<sub>50</sub> Lethal Loading for 50% of tested organisms

log Kow Octanol-water partition coefficient

MARPOL International Convention for the Prevention of Pollution from Ships

NOEC No observed effect concentration

NOEL No observed effect level

NOELR No Observed Effect Loading Rate
OEL Occupational Exposure Limits
PBT Persistent, Bioaccumulative and Toxic

PNEC Predicted no-effect concentration

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

Aerosol Aerosol

Aquatic Chronic Hazardous to the aquatic environment (chronic)

Asp. Tox. Aspiration hazard

Eye Irrit. Eye irritation

Flam. Liq. Flammable liquid

Press. Gas Gases under pressure

Skin Irrit. Skin irritation

STOT SE Specific target organ toxicity - single exposure

### **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



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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 4.0 replaces the SDS version from 03 December 2020. Changes were made in sections 2, 13, 15 and 16.

### **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.