

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

# **BELT DRESSING**

Creation date 14th May 2021

Revision date Version 3.0

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

I.1. Product identifier BELT DRESSING

Substance / mixture mixture Number 1 50055

UFI DWJD-3E7S-200R-F0ED

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

Mixture's intended use

Grease.

#### 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 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H336 Aquatic Chronic 3, H412

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

Causes skin irritation. May cause drowsiness or dizziness. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

#### **Hazard pictogram**





Signal word

Danger



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#### **Hazardous substances**

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

pentane rosin

#### **Hazard statements**

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction. H336 May cause drowsiness or dizziness.

H412 Harmful 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 vapours/spray.

P280 Wear protective gloves/eye protection/face protection.

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

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P410+P412 Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122 °F. P501 Dispose of contents/container to in accordance with national regulations.

#### 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: 68476-85-7 EC: 270-704-2	Petroleum gases, liquefied	30-60	Flam. Gas 1, H220 Press. Gas (liquefied gas), H280 Specific concentration limit: ATE Inhalation (vapor) = 21,6 mg/l	
EC: 927-510-4 Registration number: 01-2119475515-33	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	10-30	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411 Specific concentration limit: ATE Inhalation (vapor) = 23,3 mg/l	
CAS: 109-66-0 EC: 203-692-4 Registration number: 01-2119459286-30	pentane	5-10	Flam. Liq. 2, H225 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411 EUH066	1



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Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 67-64-1 EC: 200-662-2 Registration number: 01-2119471330-49	acetone	1-5	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066 Specific concentration limit: ATE Inhalation (vapor) = 76 mg/l	1
CAS: 67-63-0 EC: 200-661-7 Registration number: 01-2119457558-25	propan-2-ol	1-5	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 Specific concentration limit: ATE Oral = 5045 mg/kg bw ATE Dermal = 12800 mg/kg bw ATE Inhalation (dust/mist) = 30 mg/l	
CAS: 8050-09-7 EC: 232-475-7	rosin	1-5	Skin Sens. 1, H317	

#### **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

Transfer the affected person to the fresh air and ensure calm environment for body and mind. 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 the event of issues, find medical advice.

#### If on skin

Immediately wash with water and soap and rinse thoroughly. In the event of issues, find medical advice.

#### 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

Rinse out the mouth with clean water. DO NOT INDUCE VOMITING! In the event of issues, find medical advice.

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

#### If inhaled

May cause drowsiness or dizziness.

# If on skin

May cause an allergic skin reaction. Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

# If in eyes

When intruding eyes, it can evoke irritation.

# If swallowed

Gastrointestinal symptoms. Nausea.

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

Symptomatic treatment.



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# **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide, foam, powder.

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.

#### 5.3. Advice for firefighters

Use a self-contained breathing apparatus and full-body protective clothing. Closed containers with the product near the fire should be cooled with water.

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

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

Provide sufficient ventilation. Extremely flammable aerosol. Pressurised container: May burst if heated. Remove all ignition sources. No smoking. Use personal protective equipment for work. Do not inhale aerosols. Do not get in eyes, on skin, or on clothing. Do not touch or walk through spilt material. Danger of slipping on spilled product. Wash hands and exposed parts of the body thoroughly after handling.

#### 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

Remove all ignition sources. Provide sufficient ventilation. 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. After removal of the product, wash the contaminated site with plenty of water.

#### 6.4. Reference to other sections

See the Section 7, 8 and 13.

# **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

The product should be used only in the areas where it is not in contact with open fire and other ignition sources. Do not inhale aerosols. Do not get in eyes, on skin, or on clothing. Protect against direct sunlight. Do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not eat, drink or smoke when using this product. Wash hands and exposed parts of the body thoroughly after handling. Use only outdoors or in a well-ventilated area. Use personal protective equipment as per Section 8. Avoid release to the environment.

# 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. Do not expose to temperatures exceeding  $50\,^{\circ}\text{C}$ .

Content	Packaging type	Material of package
300 ml	aerosol can	FE

Storage temperature

min 4 °C, max 40 °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 2000/39/EC

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



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# **European Union**

# Commission Directive 2006/15/EC

Substance name (component)	Туре	Value
nontano (CAS) 100 66 0)	OEL 8 hours	3000 mg/m <sup>3</sup>
pentane (CAS: 109-66-0)	OEL 8 hours	1000 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, C7, n-alkanes, isoalkanes, cyclics

Workers / consumers	Route of exposure	Value	Effect	Determining method
Consumers	Dermal	149 mg/kg bw/day	Systemic chronic effects	
Workers	Dermal	300 mg/kg bw/day	Systemic chronic effects	
Consumers	Inhalation	447 mg/m <sup>3</sup>	Systemic chronic effects	
Workers	Inhalation	2085 mg/m <sup>3</sup>	Systemic chronic effects	

# pentane

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Inhalation	3000 mg/m <sup>3</sup>	Systemic chronic effects	
Consumers	Inhalation	643 mg/m <sup>3</sup>	Systemic chronic effects	
Workers	Dermal	432 mg/kg bw/day	Systemic chronic effects	
Consumers	Dermal	214 mg/kg bw/day	Systemic chronic effects	
Consumers	Oral	214 mg/kg bw/day	Systemic chronic effects	

# 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	



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# PNEC

# acetone

Route of exposure	Value	Determining method
Seawater	1.06 mg/l	
Sea sediments	3.04 mg/kg of dry substance of sediment	
Soil (agricultural)	33.3 mg/kg of dry substance of soil	
Freshwater environment	10.6 mg/l	
Microorganisms in wastewater treatment plants	29.5 mg/l	

# pentane

Route of exposure	Value	Determining method
Freshwater environment	0.23 mg/l	
Microorganisms in wastewater treatment plants	3.6 mg/l	
Freshwater sediment	1.2 mg/kg of dry substance of sediment	
Soil (agricultural)	0.55 mg/kg of dry substance of soil	
Water (intermittent release)	0.88 mg/l	

# propan-2-ol

Route of exposure	Value	Determining method
Freshwater environment	140.9 mg/l	
Water (intermittent release)	140.9 mg/l	
Seawater	140.9 mg/l	
Microorganisms in wastewater treatment plants	2251 mg/l	
Freshwater sediment	552 mg/kg of dry substance of sediment	
Sea sediments	552 mg/kg of dry substance of sediment	
Soil (agricultural)	28 mg/kg of dry substance of soil	

# rosin

Route of exposure	Value	Determining method
Freshwater environment	0.0016 mg/l	
Seawater	0.00016 mg/l	
Water (intermittent release)	0.016 mg/l	
Microorganisms in wastewater treatment plants	1000 mg/l	
Freshwater sediment	0.007 mg/kg	
Sea sediments	0.0007 mg/kg	
Soil (agricultural)	0.0045 mg/kg	



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### 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. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest. Wash contaminated clothing before reuse.

#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Tightly sealed goggles.

#### Skin protection

Hand protection: Protective gloves resistant to the product. Material of gloves: Nitrile rubber, NBR. Rubber (natural, latex). Neoprene. Penetration time of glove material:  $\geq$  240 min. Recommended thickness of the material:  $\geq$  0.15 mm. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Protective gloves shall be replaced immediately when damaged. Other protection: protective workwear.

#### Respiratory protection

Under regular circumstances it is not necessary. 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 Color white Odour after solvents 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 рΗ data not available Kinematic viscosity data not available Solubility in water insoluble

Solubility in fats data not available
Partition coefficient n-octanol/water (log value) data not available
Vapour pressure data not available
Density and/or relative density data not available

Form aerosol dispenser: spray aerosol

data not available

### 9.2. Other information

Evaporation rate non-applicable

#### **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

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

#### 10.2. Chemical stability

The product is stable under normal conditions.

### 10.3. Possibility of hazardous reactions

not available



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#### 10.4. Conditions to avoid

Protect against flames, sparks, overheating. Pressurised container: May burst if heated.

#### 10.5. Incompatible materials

Combustible materials.

#### 10.6. Hazardous decomposition products

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

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
Inhalation	LC50	76 mg/l		Rat	
Inhalation	ATE	76 mg/l			
Inhalation (vapor)	ATE	76 mg/l			

#### Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Inhalation (vapor)	LD <sub>50</sub>	23.3 mg/l			
Inhalation (vapor)	ATE	23,3 mg/l			

#### pentane

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Inhalation (vapor)	LD50	6 mg/l		Rat	

### Petroleum gases, liquefied

3 , 4					
Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Inhalation	LC50	21.6 mg/l		Rat	
Inhalation (vapor)	ATE	21,6 mg/l			

#### propan-2-ol

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	LD50	5045 mg/kg		Rat	
Dermal	LD50	12800 mg/kg		Rabbit	
Inhalation (dust/mist)	LC50	30 mg/l		Rat	
Oral	ATE	5045 mg/kg bw			
Dermal	ATE	12800 mg/kg bw			
Inhalation (dust/mist)	ATE	30 mg/l			

### Skin corrosion/irritation

Causes skin irritation.

# Serious eye damage/irritation

Based on available data the classification criteria are not met.

# Respiratory or skin sensitisation

May cause an allergic skin reaction.



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### 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**

Based on available data the classification criteria are not met.

#### 11.2. Information on other hazards

not available

### **SECTION 12: Ecological information**

#### 12.1. Toxicity

#### **Acute toxicity**

Harmful to aquatic life with long lasting effects.

# acetone

Parameter	Value	Time of exposure	Species	Environment
LC50	5540 mg/l	96 hour	Fishes (Oncorhynchus mykiss)	
LC50	11000 mg/l	96 hour	Fishes (Alburnus alburnus)	
NOEC	430 mg/l	96 hour	Algae	

# Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Parameter	Value	Time of exposure	Species	Environment
LC50	>13.4 mg/l	96 hour	Fishes (Oncorhynchus mykiss)	
LC50	<10 mg/l	96 hour	Fishes	
EC50	3 mg/l	48 hour	Aquatic invertebrates (Daphnia magna)	
EC50	<10 mg/l	48 hour	Aquatic invertebrates (Daphnia magna)	
IC50	<10 mg/l	72 hour	Algae	

# pentane

Parameter	Value	Time of exposure	Species	Environment
LC50	4.26 mg/l	96 hour	Fishes (Oncorhynchus mykiss)	
EC50	2.7 mg/l	48 hour	Invertebrates (Daphnia magna)	



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#### pentane

Parameter	Value	Time of exposure	Species	Environment
EC50	10.7 mg/l	72 hour	Algae (Pseudokirchneriella subcapitata)	

# propan-2-ol

Parameter	Value	Time of exposure	Species	Environment
LC50	9640 mg/l	96 hour	Fishes (Pimephales promelas)	
LC50	9714 mg/l	24 hour	Invertebrates (Daphnia magna)	
EC50	>100 mg/l	72 hour	Algae (Scenedesmus subspicatus)	

#### **Chronic toxicity**

#### acetone

Parameter	Value	Time of exposure	Species	Environment
NOEC	2212 mg/l	8 day	Daphnia (Daphnia magna)	

#### Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Parameter	Value	Time of exposure	Species	Environment
NOEC	1.53 mg/l	28 day	Fishes (Oncorhynchus mykiss)	
NOEC	1 mg/l	21 day	Aquatic invertebrates (Daphnia magna)	

#### 12.2. Persistence and degradability

The mixture is biodegradable.

### 12.3. Bioaccumulative potential

No bioaccumulation potential.

### 12.4. Mobility in soil

The product has poor water-solubility.

# 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

not available

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

#### 13.1. Waste treatment methods

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.

# 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 \*



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#### 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 available

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 available

#### **Additional information**

Hazard identification No.

**UN** number

Classification code

Safety signs



5F



#### Road transport - ADR

Tunnel restriction code (D)

Marine transport - IMDG

EmS (emergency plan) F-D, S-U
Marine Pollutant No

#### **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 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. 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

H220 Extremely flammable gas. H222 Extremely flammable aerosol.



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H225	Highly flammable liquid an	d vapour.			
H229	Pressurised container: May	burst if heated.			
H280	Contains gas under pressu	re; may explode if heated.			
H304	May be fatal if swallowed a	and enters airways.			
H315	Causes skin irritation.				
H317	May cause an allergic skin	reaction.			
H319	Causes serious eye irritation	on.			
H336	May cause drowsiness or d	lizziness.			
H411	Toxic to aquatic life with lo	ng lasting effects.			
H412	Harmful to aquatic life with	n long lasting effects.			
<b>Guidelines for</b>	Guidelines for safe handling used in the safety data sheet				
P210	Keep away from heat, hot smoking.	surfaces, sparks, open flan	es and other ignition sources. No		
P211	Do not spray on an open fl	ame or other ignition source	e.		
P251	Do not pierce or burn, eve	n after use.			
P260	Do not breathe vapours/sp	oray.			
P280	Wear protective gloves/eye	e protection/face protection			
P304+P340	IF INHALED: Remove pers	on to fresh air and keep co	nfortable for breathing.		
P312	Call a POISON CENTER/do	ctor if you feel unwell.			
P302+P352	IF ON SKIN: Wash with ple	enty of water.			
P410+P412	Protect from sunlight. Do r	no expose to temperatures	exceeding 50 °C/122 °F.		
P501	Dispose of contents/contai	ner to in accordance with n	ational regulations.		

# 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			

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

mixtures **DNEL** Derived no-effect level

EC Identification code for each substance listed in EINECS

EC<sub>50</sub> 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

International Code For The Construction And Equipment of Ships Carrying Dangerous **IBC** 

Chemicals

IC50 Concentration causing 50% blockade **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

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

population

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

LOAEC Lowest observed adverse effect concentration

LOAEL Lowest observed adverse effect level log Kow Octanol-water partition coefficient

MARPOL International Convention for the Prevention of Pollution From Ships

NOAEC No observed adverse effect concentration

CLP



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NOAEL No observed adverse effect level
NOEC No observed effect concentration

NOEL No observed effect level 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. Gas Flammable gas

Flam. Liq. Flammable liquid

Press. Gas Gases under pressure

Skin Irrit. Skin irritation
Skin Sens. Skin sensitization

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

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 3.0 replaces the SDS version from 1. 4. 2019. Changes were made in sections 1, 2, 3, 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.

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