SAFETY DATA SHEET

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

PU FIX PROFESSIONAL 1 - PRIMER

Creation date	27th November 2024		
Revision date		Version	2.1

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

1.1. Product identifier — PU FIX PROFESSIONAL 1 - PRIMER

Substance / mixture	mixture
Number	R 34812P
UFI	PSD3-E3MX-P00W-JJ9C

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

Mixture's intended use

Adhesion promotor. For professional use only.

Main intended use

PC-ADH-OTH Other adhesives and sealants

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	RETECH, s.r.o.
Address	Vackova 1541/4, Praha 5 - Stodůlky, 155 00 Czech Republic
Identification number (CRN)	25018205
VAT Reg No	CZ25018205
Phone	+420327596428
E-mail	info@retech.cz
Web address	www.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.

Flam. Liq. 2, H225
Skin Sens. 1, H317
Eye Irrit. 2, H319
Resp. Sens. 1, H334
STOT SE 3, H336

Most serious adverse physico-chemical effects

Highly flammable liquid and vapour.

Most serious adverse effects on human health and the environment

Causes serious eye irritation. May cause drowsiness or dizziness. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

2.2. Label elements

Hazard pictogram

Signal word

Danger

Hazardous substances

butanone
hexamethylene diisocyanate, oligomers
Diphenylmethanediisocyanate, isomers and homologues

Hazard statements

H225	Highly flammable liquid and vapour.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H336	May cause drowsiness or dizziness.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves.
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.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Supplemental information

EUH204	Contains isocyanates. May produce an allergic reaction.
	Restricted to professional users.
	As from 24 August 2023 adequate training is required before industrial or professional use.

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
Index: 606-002-00-3 CAS: 78-93-3 EC: 201-159-0 Registration number: 01-2119457290-43	butanone	65-<70	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066 Specific concentration limit: ATE Inhalation (vapor) = 12 mg/l ATE Dermal = 5000 mg/kg bw ATE Oral = 3300 mg/kg bw	1
Index: 607-195-00-7 CAS: 108-65-6 EC: 203-603-9 Registration number: 01-2119475791-29	2-methoxy-1-methylethyl acetate	5-<10	Flam. Liq. 3, H226 Specific concentration limit: ATE Inhalation (vapor) = 34,7 mg/l ATE Oral = 8530 mg/kg bw	1

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
EC: 931-274-8 Registration number: 01-2119485796-17	hexamethylene diisocyanate, oligomers	5-<10	Skin Sens. 1, H317 Acute Tox. 4, H332 STOT SE 3, H335 Specific concentration limit: ATE Inhalation (vapor) = 11 mg/l ATE Inhalation (dust/mist) = 1,5 mg/l ATE Oral = 5000 mg/kg bw	
Index: 607-025-00-1 CAS: 123-86-4 EC: 204-658-1 Registration number: 01-2119485493-29	n-butyl acetate	1-<5	Flam. Liq. 3, H226 STOT SE 3, H336 EUH066 Specific concentration limit: ATE Inhalation (dust/mist) = 23,4 mg/l ATE Dermal = 14112 mg/kg bw ATE Oral = 10760 mg/kg bw	1
Index: 601-022-00-9 CAS: 1330-20-7 EC: 215-535-7	xylene (mixture of isomers)	1-<5	Flam. Liq. 3, H226 Acute Tox. 4, H312, H332 Skin Irrit. 2, H315 Specific concentration limit: ATE Inhalation (vapor) = 11 mg/l ATE Dermal = 1100 mg/kg bw ATE Inhalation (dust/mist) = 1,5 mg/l	1
Index: 615-005-01-6 CAS: 9016-87-9 EC: 618-498-9 Registration number: 01-2119457024-46	Diphenylmethanediisocyanate, isomers and homologues	<1	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Acute Tox. 4, H332 Resp. Sens. 1, H334 STOT SE 3, H335 Carc. 2, H351 STOT RE 2, H373 Specific concentration limit: ATE Inhalation (vapor) = 11 mg/l ATE Inhalation (dust/mist) = 1,5 mg/l ATE Dermal = 9400 mg/kg bw ATE Oral = 10000 mg/kg bw Skin Irrit. 2, H315: C ≥ 5 % Eye Irrit. 2, H319: C ≥ 5 % Resp. Sens. 1, H334: C ≥ 0.1 % STOT SE 3, H335: C ≥ 5 %	

Notes

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

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

SECTION 4: First aid measures

4.1. Description of first aid measures

If 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. In case of unconsciousness place patient stably in side position for transportation. Provide medical treatment.

If on skin

Wash with plenty of soap and water. Remove contaminated clothes. And wash it before reuse. Provide medical treatment if skin irritation persists.

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

Provide medical treatment.

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

If inhaled

May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause drowsiness or dizziness.

If on skin

May cause an allergic skin reaction.

If in eyes

Causes serious eye irritation.

If swallowed

not available

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

Carbon dioxide, powder, water spray jet. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

not available

5.3. Advice for firefighters

Closed containers with the product near the fire should be cooled with water. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide sufficient ventilation. Highly flammable liquid and vapour. Remove all ignition sources. Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale mist/vapours/spray. Do not get in eyes, on skin, or on clothing.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water. Do not allow to enter drains.

6.3. Methods and material for containment and cleaning up

Provide sufficient ventilation. Prevent other leakage. 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.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Do not inhale mist/vapours/spray. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Remove contaminated clothes. Observe valid legal regulations on safety and health protection. Wash hands and exposed parts of the body thoroughly after handling. Do not eat, drink or smoke when using this product.

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. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Content	Packaging type	Material of package
30 ml	bottle	

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 (EU) 2019/1831**

Substance name (component)	Type	Value
n−butyl acetate (CAS: 123−86−4)	OEL 8 hours	241 mg/m³
	OEL 8 hours	50 ppm
	OEL 15 minutes	723 mg/m³
	OEL 15 minutes	150 ppm

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

Substance name (component)	Type	Value
butanone (CAS: 78−93−3)	OEL 8 hours	600 mg/m³
	OEL 8 hours	200 ppm
	OEL 15 minutes	900 mg/m³
	OEL 15 minutes	300 ppm

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

Substance name (component)	Type	Value
2−methoxy−1−methylethyl acetate (CAS: 108−65−6)	OEL 8 hours	275 mg/m³
	OEL 8 hours	50 ppm
	OEL 15 minutes	550 mg/m³
	OEL 15 minutes	100 ppm
xylene (mixture of isomers) (CAS: 1330−20−7)	OEL 8 hours	221 mg/m³
	OEL 8 hours	50 ppm
	OEL 15 minutes	442 mg/m³
	OEL 15 minutes	100 ppm

Notes
Skin.

DNEL

2-methoxy-1-methylethyl acetate			
Workers / consumers	Route of exposure	Value	Effect
Workers	Inhalation	275 mg/m³	Chronic effects systemic
Workers	Inhalation	550 mg/m³	Acute effects local
Workers	Dermal	796 mg/kg bw/day	Chronic effects systemic
Consumers	Inhalation	33 mg/m³	Chronic effects systemic
Consumers	Inhalation	33 mg/m³	Acute effects local
Consumers	Dermal	320 mg/kg bw/day	Chronic effects systemic
Consumers	Oral	36 mg/kg bw/day	Chronic effects systemic

n-butyl acetate			
Workers / consumers	Route of exposure	Value	Effect
Consumers	Inhalation	859.7 mg/m³	Acute effects systemic
Workers	Inhalation	960 mg/m³	Acute effects systemic
Consumers	Inhalation	859.7 mg/m³	Acute effects local
Workers	Inhalation	960 mg/m³	Acute effects local
Consumers	Inhalation	102.34 mg/m³	Chronic effects systemic
Workers	Inhalation	480 mg/m³	Chronic effects systemic
Consumers	Inhalation	102.34 mg/m³	Chronic effects local
Workers	Inhalation	480 mg/m³	Chronic effects local

PNEC

2-methoxy-1-methylethyl acetate	
Route of exposure	Value
Freshwater environment	0.635 mg/l
Marine water	0.0635 mg/l
Freshwater sediment	3.29 mg/kg
Sea sediments	0.329 mg/kg
Microorganisms in sewage treatment	100 mg/l
Soil (agricultural)	0.290 mg/kg

n-butyl acetate	
Route of exposure	Value
Freshwater environment	0.18 mg/l
Marine water	0.018 mg/l
Freshwater sediment	0.981 mg/kg of dry substance of sediment
Soil (agricultural)	0.0903 mg/kg of dry substance of soil
Microorganisms in sewage treatment	35.6 mg/l
Sea sediments	0.0981 mg/kg of dry substance of sediment

8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. Do not inhale mist/vapours/spray.

Eye/face protection

Tightly sealed goggles. EN166 - Personal Eye Protection Standard.

Skin protection

Hand protection: Protective gloves resistant to the product. Material of gloves: Butyl rubber. 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. Use of antistatic clothes and footwear is recommended.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Filter A.

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	black
Odour	characteristic
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	79 °C
Flammability	Highly flammable liquid and vapour.
Lower and upper explosion limit	data not available
Flash point	-4 °C
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	non-soluble (in water)
Kinematic viscosity	data not available
Solubility in water	almost 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	
Density	0.92 g/cm³ at 20 °C
Relative vapour density	data not available
Particle characteristics	data not available

data not available

9.2. Other information

Evaporation rate	data not available
Ignition temperature	>300 °C
Explosive properties	The product does not have explosive properties. Vapours mixed up with air can be explosive.
Content of organic solvents (VOC)	72.3 %
Max. VOC content in the product in its ready to use condition	665.5 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 the available data, the criteria for classification of the mixture are not met.

PU FIX PROFESSIONAL 1 - PRIMER					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Dermal	LD_{50}	150638 mg/kg		Rabbit	
Inhalation	LC_{50}	129 mg/l	4 hours		

2-methoxy-1-methylethyl acetate					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD_{50}	8530 mg/kg		Rat	
Inhalation (vapor)	LC_{50}	34.7 mg/l	4 hours	Rat	
Inhalation (vapor)	ATE	34.7 mg/l			
Oral	ATE	8530 mg/kg bw			

butanone					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD_{50}	3300 mg/kg		Rat	
Dermal	LD_{50}	5000 mg/kg		Rabbit	
Inhalation (vapor)	LC_{50}	12 mg/l	4 hours	Rat	
Inhalation (vapor)	ATE	12 mg/l			
Dermal	ATE	5000 mg/kg bw			
Oral	ATE	3300 mg/kg bw			

Diphenylmethanediisocyanate, isomers and homologues					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD_{50}	>10000 mg/kg		Rat	
Dermal	LD_{50}	>9400 mg/kg		Rabbit	
Inhalation (vapor)	ATE	11 mg/l			
Inhalation (dust/mist)	ATE	1.5 mg/l			
Dermal	ATE	9400 mg/kg bw			
Oral	ATE	10000 mg/kg bw			

hexamethylene diisocyanate, oligomers					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD_{50}	>5000 mg/kg		Rat	
Inhalation (vapor)	LC_{50}	11 mg/l	4 hours		
Inhalation (vapor)	ATE	11 mg/l			
Inhalation (dust/mist)	ATE	1.5 mg/l			
Oral	ATE	5000 mg/kg bw			

n-butyl acetate					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD_{50}	10760 mg/kg		Rat	
Dermal	LD_{50}	14112 mg/kg		Rabbit	
Inhalation (aerosols)	LC_{50}	23.4 mg/l	4 hours	Rat	
Inhalation (dust/mist)	ATE	23.4 mg/l			
Dermal	ATE	14112 mg/kg bw			
Oral	ATE	10760 mg/kg bw			

xylene (mixture of isomers)					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Inhalation (vapor)	ATE	11 mg/l			
Dermal	ATE	1100 mg/kg bw			
Inhalation (dust/mist)	ATE	1.5 mg/l			

Skin corrosion/irritation

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Serious eye damage/irritation

Causes serious eye irritation. Data for the components of the mixture are not available.

Respiratory or skin sensitisation

May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Data for the components of the mixture are not available.

Germ cell mutagenicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Carcinogenicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Reproductive toxicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Toxicity for specific target organ - single exposure

May cause drowsiness or dizziness. Data for the components of the mixture are not available.

Toxicity for specific target organ - repeated exposure

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Aspiration hazard

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture 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

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

Acute toxicity

2-methoxy-1-methylethyl acetate				
Parameter	Value	Exposure time	Species	Environment
LC_{50}	100-180 mg/l	96 hours	Fish (Oncorhynchus mykiss)	
EC_{50}	>500 mg/l	48 hours	Daphnia (Daphnia magna)	

butanone				
Parameter	Value	Exposure time	Species	Environment
EC_{50}	5000 mg/l	48 hours	Crustaceans	
LC_{50}	3220 mg/l	96 hours	Fish	

Diphenylmethanediisocyanate, isomers and homologues				
Parameter	Value	Exposure time	Species	Environment
LC_{50}	>1000 mg/l	96 hours	Fish (Cyprinus carpio)	
	>100 mg/l	3 hours	Bacteria	

hexamethylene diisocyanate, oligomers				
Parameter	Value	Exposure time	Species	Environment
LC_{50}	>100 mg/l	96 hours	Fish	
EC_{50}	>100 mg/l	48 hours	Crustaceans	

n-butyl acetate				
Parameter	Value	Exposure time	Species	Environment
LC_{50}	18 mg/l	96 hours	Fish (Pimephales promelas)	
EC_{50}	44 mg/l	48 hours	Daphnia (Daphnia magna)	

n-butyl acetate				
Parameter	Value	Exposure time	Species	Environment
ErC_{50}	647.7 mg/l	72 hours	Algae (Desmodesmus subspicatus)	
NOEC	200 mg/l		Algae (Desmodesmus subspicatus)	

12.2. Persistence and degradability

Data for the mixture are not available.

Biodegradability

2-methoxy-1-methylethyl acetate					
Parameter	Method	Value	Exposure time	Environment	Result
	OECD 302B	>90 %			Easily biodegradable

n-butyl acetate					
Parameter	Method	Value	Exposure time	Environment	Result
	OECD 301D	83 %	28 days		Easily biodegradable

12.3. Bioaccumulative potential

Data for the mixture are not available.

2-methoxy-1-methylethyl acetate						
Parameter	Method	Value	Exposure time	Species	Environment	Temperature [°C]
Log Pow		0.56				

Diphenylmethanediisocyanate, isomers and homologues						
Parameter	Method	Value	Exposure time	Species	Environment	Temperature [°C]
BCF	OECD 305	<14 mg/kg				

n-butyl acetate						
Parameter	Method	Value	Exposure time	Species	Environment	Temperature [°C]
Log Pow		2.3				

12.4. Mobility in soil

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

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

Water hazard class 1 (german Regulation, self-assessment): slightly hazardous for water.

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. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste.

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

08 04 09* waste adhesives and sealants containing organic solvents or other hazardous substances

Packaging waste type code

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

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

SECTION 14: Transport information

14.1. UN number or ID number

UN 1866

14.2. UN proper shipping name

RESIN SOLUTION

14.3. Transport hazard class(es)

3 Flammable liquids

14.4. Packing group

II

14.5. Environmental hazards

No

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant

Additional information

Hazard identification No.	33
UN number	1866
Classification code	F1
Safety signs	3

Road transport - ADR

Special provisions	640D
Limited quantities	5 L
Excepted quantities	E2
Transport category	2
Tunnel restriction code	(D/E)

Railway transport - RID

Special provisions	640D
Limited quantities	5l
Excepted quantities	E2
Transport category	2

Air transport - ICAO/IATA

Packaging instructions for limited amount	Y341
Packaging instructions passenger	353
Cargo packaging instructions	364

Marine transport - IMDG

EmS (emergency plan)	F-E, S-E

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. 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).

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

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

EUH066	Repeated exposure may cause skin dryness or cracking.
EUH204	Contains isocyanates. May produce an allergic reaction.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.

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.
P280	Wear protective gloves.
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.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

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	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
Carc.	Carcinogenicity
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
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
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
Resp. Sens.	Respiratory sensitization
RID	Agreement on the transport of dangerous goods by rail
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitization
STOT RE	Specific target organ toxicity - repeated exposure
STOT SE	Specific target organ toxicity - single exposure
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
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 3.0 replaces the SDS version from Monday, 28 March 2022. Changes were made in sections 1, 2, 8, 11, 12, 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.