

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

Label Killer

Creation date 29th July 2022 Revision date 24th January 2023

24th January 2023 Version 4.0

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

1.1. Product identifier Label Killer
Substance / mixture mixture

UFI YV00-00V7-1001-F22X

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

Mixture's intended use

Removing old labels.

Main intended use

PC-CLN-OTH Other cleaning, care and maintenance products (excludes biocidal products)

Mixture uses advised against

The product should not be used in ways other then those referred in Section 1.

1.3. Details of the supplier of the safety data sheet

Manufacturer

Name or trade name AG TermoPasty Grzegorz Gąsowski Address Kolejowa 33 E, Sokoły, 18-218

Poland

 Identification number (CRN)
 200133730

 VAT Reg No
 PL9661767714

 Phone
 862741342

E-mail biuro@termopasty.pl Web address www.termopasty.pl

Competent person responsible for the safety data sheet

Name AG TermoPasty Grzegorz Gąsowski

E-mail biuro@termopasty.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.

Aerosol 1, H229, H222 Asp. Tox. 1, H304 Skin Sens. 1, H317 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 be fatal if swallowed and enters airways. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram



Signal word

Danger



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Hazardous substances

Hydrocarbons, C10-C13, isoalkanes, cyclic, <2% aromatic Hydrocarbons, C9-C11, isoalkanes, cyclic, <2% aromatic

(R)-p-mentha-1,8-diene

Hazard statements

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.
H317 May cause an allergic skin reaction.

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.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a doctor.

P331 Do NOT induce vomiting.

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

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.

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: 601-004-00-0 CAS: 106-97-8 EC: 203-448-7	butane	33-44	Flam. Gas 1, H220 Press. Gas (compressed gas), H280	1
EC: 918-481-9 Registration number: 01-2119457273-39- XXXX	Hydrocarbons, C10-C13, isoalkanes, cyclic, <2% aromatic	17,32- <24,75	Asp. Tox. 1, H304 EUH066	
EC: 919-857-5 Registration number: 01-2119463258-33- 0002	Hydrocarbons, C9-C11, isoalkanes, cyclic, <2% aromatic	<20	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 EUH066	
Index: 601-003-00-5 CAS: 74-98-6 EC: 200-827-9	propane	12-22	Flam. Gas 1, H220 Press. Gas (compressed gas), H280	
Index: 601-029-00-7 CAS: 5989-27-5 EC: 227-813-5 Registration number: 01-2119529223-44- XXXX	(R)-p-mentha-1,8-diene	2,25-4,5	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	
Index: 649-422-00-2 CAS: 64742-47-8 EC: 265-149-8	Distillates (petroleum), hydro- treated light	<2,475	Asp. Tox. 1, H304 EUH066	



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Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 603-064-00-3 CAS: 107-98-2 EC: 203-539-1	1-methoxy-2-propanol	, ,	Flam. Liq. 3, H226 STOT SE 3, H336	1

Notes

1 A substance for which exposure limits are set.

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

SECTION 4: First aid measures

4.1. Description of first aid measures

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. Take care of your own safety, do not let the affected person walk! Beware of the contaminated clothes. Depending on the situation, call the medical rescue service and ensure medical treatment considering the frequent need of further observation for at least 24 hours.

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. Rinsing should continue at least for 10 minutes.

If swallowed

DO NOT INDUCE VOMITING! If the affected person vomits, make sure to prevent inhalation of the vomit (as there is a danger of lung damage after inhalation of these liquids in the airways also in infinitesimal amount). Ensure medical treatment considering the frequent need of further observation for at least 24 hours. Bring an original container with the label and the Safety Data Sheet of the given substance as appropriate.

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

If inhaled

Cough, headache.

If on skin

May cause an allergic skin reaction.

If in eyes

When intruding eyes, it can evoke irritation.

If swallowed

Irritation, nausea.

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

Use a self-contained breathing apparatus and full-body protective clothing. Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Closed containers with the product near the fire should be cooled with water. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.



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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. Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale gases and vapours. Prevent contact with skin and eyes.

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

Ventilate the room. 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.

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 formation of gases and vapours in flammable or explosive concentrations and concentrations exceeding the occupational exposure limits. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. Use non-sparking tools. Use of antistatic clothes and footwear is recommended. Do not inhale gases and vapours. Prevent contact with skin and eyes. No smoking. Protect against direct sunlight. Contaminated work clothing should not be allowed out of the workplace. Do not pierce or burn, even after use. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection. 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. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

Content	Packaging type	Material of package
300 ml	airspray	FE
400 ml	airspray	FE

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	Note
	OEL 8 hours	375 mg/m ³	
	OEL 8 hours	100 ppm	
1-methoxy-2-propanol (CAS: 107-98-2)	OEL 15 minutes	568 mg/m ³	Skin
	OEL 15 minutes	150 ppm	

United Kingdom

EH40/2005 Workplace exposure limits (Fourth Edition 2020)

Substance name (component)	Туре	Value	Note
	WEL 8h	1450 mg/m ³	
hutana (CAS, 106 07 9)	WEL 8h	600 ppm	
butane (CAS: 106-97-8)	WEL 15min	1810 mg/m ³	
	WEL 15min	750 ppm	



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United Kingdom

EH40/2005 Workplace exposure limits (Fourth Edition 2020)

Substance name (component)	Туре	Value	Note
	WEL 8h	375 mg/m³	
1 methows 2 propagal (CAS: 107.09.2)	skin. The assignment the second are those for a		Can be absorbed through the skin. The assigned substances are those for which there are
1-methoxy-2-propanol (CAS: 107-98-2)	WEL 15min	560 mg/m³	concerns that dermal absorption will lead to systemic toxicity.
	WEL 15min	150 ppm	

DNEL

Hydrocarbons, C9-C11, isoalkanes, cyclic, <2% aromatic

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Dermal	208 mg/kg/24h	Chronic effects systemic		
Workers	Inhalation	871 mg/m ³	Chronic effects systemic		
Consumers	Dermal	125 mg/kg/24h	Chronic effects systemic		
Consumers	Inhalation	185 mg/m ³	Chronic effects systemic		
Consumers	Oral	125 mg/kg bw/day	Chronic effects systemic		

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 eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

It is not needed.

Skin protection

Hand protection: Protective gloves resistant to the product. Contaminated skin should be washed thoroughly.

Respiratory protection

Mask with a filter against organic vapours in a poorly ventilated environment.

Thermal hazard

Data not available.

Environmental exposure controls

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state gas



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Colour colourless Odour data not available Melting point/freezing point data not available Boiling point or initial boiling point and boiling range data not available

Flammability Extremely flammable aerosol.

Lower and upper explosion limit data not available Flash point data not available Auto-ignition temperature data not available Decomposition temperature data not available

gas

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

Relative vapour density data not available Particle characteristics data not available

9.2. Other information

> Evaporation rate non-applicable

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. Pressurised container: May burst if heated.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

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

No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

(R)-p-mentha-1,8-diene

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Source
Oral	LD ₅₀		>2000 mg/kg		Rat		ECHA
Dermal	LD50		>5000 mg/kg		Rabbit		ECHA

Hydrocarbons, C10-C13, isoalkanes, cyclic, <2% aromatic

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Source
Oral	LD50	OECD 401	>5000 mg/kg bw		Rat		
Dermal	LD50		>3000 mg/kg bw		Rabbit		
Inhalation	LC50	OECD 403	>5000 mg/m ³	8 hours	Rat		
Dermal	LD50	OECD 402	>2000 mg/kg		Rat		



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Hydrocarbons, C9-C11, isoalkanes, cyclic, <2% aromatic

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Source
Inhalation	CL50	OECD 403	>5000 mg/kg	4 hours	Rat		
Oral	DL50	OECD 401	>5000	4 hours	Rat		
Dermal	DL50	OECD 402	>5000 mg/kg		Rabbit		

Skin corrosion/irritation

Based on available data the classification criteria are not met.

Serious eye damage/irritation

Based on available data the classification criteria are not met.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

Reproductive toxicity

Based on available data the classification criteria are not met.

Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

May be fatal if swallowed and enters airways. Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time

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.

(R)-p-mentha-1,8-diene

Parameter	Method	Value	Exposure time	Species	Environme nt	Source
LC50		3 mg/kg	96 hours	Fish (Pimephales promelas)		ECHA
EC ₅₀		0.307 mg/l	48 hours	Daphnia (Daphnia magna)		ECHA

Hydrocarbons, C10-C13, isoalkanes, cyclic, <2% aromatic

Parameter	Method	Value	Exposure time	Species	Environme nt	Source
LL50		>1000 mg/l	48 hours	Fish		
LL 50		>1000 mg/l	48 hours	Daphnia (Daphnia magna)		
LL 50		>1000 mg/l	96 hours	Algae		
ELo	OECD 202	>1000 mg/l	48 hours	Daphnia (Daphnia magna)		
LLo	OECD 203	>1000 mg/l	96 hours	Fish		
NOERL	OECD 201	1000 mg/l	72 hours	Algae and other aquatic plants		
EL 50		>1000 mg/l	72 hours	Bacteria		



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Hydrocarbons, C9-C11, isoalkanes, cyclic, <2% aromatic

Parameter	Method	Value	Exposure time	Species	Environme nt	Source
ELo		1000 mg/l	48 hours			
LL50		>1000 mg/l	96 hours			
NOELR		100 mg/l	72 hours			
EL50		>1000 mg/l	72 hours			

Chronic toxicity

Hydrocarbons, C10-C13, isoalkanes, cyclic, <2% aromatic

Parameter	Method	Value	Exposure time	Species	Environmen t
NOELR	OECD 201	32 mg/l	96 hours	Algae	Salt water
NOERL		0.101 mg/l	28 days	Fish	
NOERL		0.176 mg/l	21 days	Aquatic invertebrates	

12.2. Persistence and degradability

Biodegradability

(R)-p-mentha-1,8-diene

Parameter	Method	Value	Exposure time	Environment	Result
	OECD 301				Easily biodegradable

Hydrocarbons, C9-C11, isoalkanes, cyclic, <2% aromatic

Parameter	Method	Value	Exposure time	Environment	Result
		80 %	28 days		Hardly biodegradable

Data not available.

12.3. Bioaccumulative potential

Data not available.

12.4. Mobility in soil

Data 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

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.

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. 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 05 04 gases in pressure containers (including halons) containing hazardous substances *



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Packaging waste type code

15 01 11 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

not relevant

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.

UN number

Classification code

Safety signs



2.1+hazardous for the environment



Air transport - ICAO/IATA

Packaging instructions passenger 203 Cargo packaging instructions 203

Marine transport - IMDG

EmS (emergency plan) F-D, S-U MFAG 620

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.

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out (mixture).

SECTION 16: Other information

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

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H226	Flammable liquid and vapour.



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H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
11006	Ad I I I I I

H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.
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.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a doctor.

P331 Do NOT induce vomiting.

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

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

substance and mixtures

EC Identification code for each substance listed in EINECS

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

EL₀ Effective Loading for 0% of the tested organisms
EL₅₀ Effective Loading for 50% of the tested organisms

EmS Emergency plan EU European Union

EuPCS European Product Categorisation System IATA International Air Transport Association

IBC International Code For The Construction And Equipment of Ships Carrying

Dangerous Chemicals

ICAOInternational Civil Aviation OrganizationIMDGInternational Maritime Dangerous GoodsIMOInternational Maritime Organization

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

LL50 Lethal Loading for 0% of tested organisms
LL50 Lethal Loading for 50% of tested organisms

log Kow Octanol-water partition coefficient

NOEL No observed effect level

NOELR No Observed Effect Loading Rate



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OEL Occupational Exposure Limits

PBT Persistent, Bioaccumulative and Toxic

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

Aquatic Acute Hazardous to the aquatic environment

Aquatic Chronic Hazardous to the aquatic environment (chronic)

Aspiration hazard Asp. Tox. Flam. Gas Flammable gas Flam. Lig. 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 4.0 replaces the SDS version from 24 January 2023. Changes were made in sections 1, 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.