

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

PM - TPO, FLEX, RIGID, CLEAR - Part B

Creation date 11th April 2022

Revision date Version 2.0

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

1.1. Product identifier PM – TPO, FLEX, RIGID, CLEAR – Part B

Substance / mixture mixture

Number R 34374/72/76/79

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

Mixture's intended use

Adhesion promotor.

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.

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

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

Most serious adverse effects on human health and the environment

May cause allergy or asthma symptoms or breathing difficulties if inhaled. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May cause respiratory irritation.

2.2. Label elements

Hazard pictogram





Signal word

Danger



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Hazardous substances

diphenylmethanediisocyanate, isomeres and homologues

Hazard statements

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. H351 Suspected of causing cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

P201 Obtain special instructions before use.

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

P284 In case of inadequate ventilation wear respiratory protection.

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

P308+P313 IF exposed or concerned: Get medical advice/attention.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

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

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: 9016-87-9 EC: 618-498-9	diphenylmethanediisocyanate, isomeres and homologues	55-<100	Skin Irrit. 2, H315 Skin Sens. 1A, H317 Eye Irrit. 2, H319 Acute Tox. 4, H332 Resp. Sens. 1, H334 STOT SE 3, H335 Carc. 2, H351 STOT RE 2, H373	1

Notes

 $1\,$ $\,$ The use of the substance is restricted by Annex XVII of REACH Regulation

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

SECTION 4: First aid measures

4.1. Description of first aid measures

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

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. If the victim is not breathing, perform artificial respiration. Provide medical treatment.

If on skin

Remove contaminated clothes. Rinse skin with water or shower. Provide medical treatment. Wash contaminated clothing before reuse.



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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. Provide medical treatment, specialized if possible.

If swallowed

DO NOT INDUCE VOMITING! Do not provide anything by mouth if the person is unconscious or if having cramps. Provide medical treatment.

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

If inhaled

Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.

If on skin

May cause an allergic skin reaction. 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

Foam. Carbon dioxide. Powder. Water mist.

Unsuitable extinguishing media

not available

5.2. Special hazards arising from the substance or mixture

Do not breathe smoke.

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. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water. Dispose of contaminated extinguishing water and remains after the fire in accordance with the official regulations. EN137 - Respiratory protective devices — Self-contained open-circuit compressed air breathing apparatus with full face mask. EN 469 - Protective clothing for firefighters - Performance requirements for protective clothing for firefighting.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Stop leak if safe to do so. Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not get in eyes, on skin, or on clothing.

6.2. Environmental precautions

Do not allow product to reach sewage system or any water course.

6.3. Methods and material for containment and cleaning up

Ventilate the room. 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

Do not handle until all safety precautions have been read and understood. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection. Do not eat, drink or smoke when using this product. Avoid release to the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store away from incompatible materials.



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7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains no substances for which occupational exposure limits are set.

DNEL

diphenylmethanediisocyanate, isomeres and homologues

Workers / consumers	Route of exposure	Value	Effect	Determining method
Consumers	Inhalation	0.05 mg/m ³	Local acute effects	
Consumers	Dermal	17.2 mg/cm ²	Local acute effects	
Consumers	Oral	20 mg/kg bw/day	Systemic acute effects	
Consumers	Dermal	25 mg/kg bw/day	Systemic acute effects	
Consumers	Inhalation	0.025 mg/m ³	Local chronic effects	
Workers	Inhalation	0.1 mg/m ³	Local acute effects	
Workers	Dermal	28.7 mg/cm ²	Local acute effects	
Workers	Inhalation	0.1 mg/m ³	Systemic acute effects	
Workers	Dermal	50 mg/kg bw/day	Systemic acute effects	
Workers	Inhalation	0.05 mg/m ³	Local chronic effects	
Workers	Inhalation	0.05 mg/m ³	Systemic chronic effects	
Consumers	Inhalation	0.025 mg/m ³	Systemic chronic effects	

PNEC

diphenylmethanediisocyanate, isomeres and homologues

Route of exposure	Value	Determining method
Freshwater environment	1 mg/l	
Seawater	0.1 mg/l	
Microorganisms in wastewater treatment plants	1 mg/l	
Soil (agricultural)	1 mg/kg	

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. If exposure limits cannot be observed in this mode, suitable protection of airways must be used. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Observe any occupational exposure limits for the product or ingredients. Use personal protective equipment for work. Ensure workplace is equipped with a safety shower and eye wash station.

Eye/face protection

Tightly sealed goggles. ${\tt EN166}$ - ${\tt Personal}$ Eye Protection Standard.

Skin protection

Hand protection: Protective gloves resistant to the product. Category III. EN ISO 374-1. Material of gloves: Nitrile rubber, NBR. Penetration time of glove material: 240 min. Recommended thickness of the material: 0.5 mm. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: Wear category II professional long-sleeved overalls and safety footwear (see Regulation (EU) 2016/425 and standard EN ISO 20344). Contaminated skin should be washed thoroughly.



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Respiratory protection

Use a mask with filter when the exposition limits of the substances are exceeded or at the place with insufficient ventilation. Filter A. EN143 - Respiratory protective devices - Gas filter(s) and combined filter(s). The protection provided by masks is in any case limited. Use insulating breathing apparatus in case of an accident, fire or high concentration. EN137 - Respiratory protective devices — Self-contained open-circuit compressed air breathing apparatus with full face mask. EN138 - Respiratory protective devices. Specification for fresh air hose breathing apparatus for use with full face mask, half mask or mouthpiece assembly. EN 529 - Respiratory protective devices. Recommendations for selection, use, care and maintenance. Guidance document.

Thermal hazard

Not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state liquid

Colour brown

Odour characteristic

Melting point/freezing point data not available

Boiling point or initial boiling point and boiling range >300 °C

Flammability data not available Lower and upper explosion limit data not available

Flash point 205 °C

Auto-ignition temperature data not available
Decomposition temperature data not available
pH data not available
Kinematic viscosity data not available
Viscosity 4000 mPa.s
Solubility in water insoluble

Solubility in fats data not available
Partition coefficient n-octanol/water (log value) data not available
Vapour pressure 0,01 Pa at 20 °C

Density and/or relative density

Density 1,2 g/cm³

data not available

9.2. Other information

Evaporation rate data not available

Ignition temperature > 600 °C

SECTION 10: Stability and reactivity

10.1. Reactivity

See the Section 10.3.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

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

10.4. Conditions to avoid

No special requirements. Follow the usual measures for health protection at work.

10.5. Incompatible materials

not available

10.6. Hazardous decomposition products

not available



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SECTION 11: Toxicological information

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

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

Acute toxicity

Harmful if inhaled.

diphenylmethanediisocyanate, isomeres and homologues

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	LD50	>5000 mg/kg			
Dermal	LD50	>9400 mg/kg			
Inhalation	LC50	0.49 mg/l	4 hour		

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Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Inhalation	ATE	15.71 mg/l			

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

Germ cell mutagenicity

Based on available data the classification criteria are not met.

Carcinogenicity

Suspected of causing cancer.

Reproductive toxicity

Based on available data the classification criteria are not met.

Toxicity for specific target organ - single exposure

May cause respiratory irritation.

Toxicity for specific target organ - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

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

Data for the mixture are not available.

More information

Inform respective authorities in case of seepage into water course or sewage system.



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12.2. Persistence and degradability

Data 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

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

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. Dispose unused product as hazardous waste. 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

08 05 01 waste isocyanates *

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

not subject to transport regulations

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

No

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant



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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.

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

diphenylmethanediisocvanate, isomeres and homologues

diphenylmetha	anediisocyanate, isomeres and homologues
Restriction	Conditions of restriction
56	1. Shall not be placed on the market after 27 December 2010, as a constituent of mixtures in concentrations equal to or greater than 0,1 % by weight of MDI for supply to the general public, unless suppliers shall ensure before the placing on the market that the packaging: (a) contains protective gloves which comply with the requirements of Council Directive 89/686/EEC (*******);
	(b) is marked visibly, legibly and indelibly as follows, and without prejudice to other Community legislation concerning the classification, packaging and labelling of substances and mixtures: "— Persons already sensitised to diisocyanates may develop allergic reactions when using this product.
	 Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.
	— This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used."
	2. By way of derogation, paragraph 1(a) shall not apply to hot melt adhesives.
74	1. Shall not be used as substances on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) after 24 August 2023, unless: (a) the concentration of diisocyanates individually and in combination is less than 0.1 % by weight,
	(b) the employer or self-employed ensures that industrial or professional user(s) have successfully completed training on the safe use of diisocyanates prior to the use of the substance(s) or mixture (s).
	2. Shall not be placed on the market as substances on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) after 24 February 2022, unless: (a) the concentration of diisocyanates individually and in combination is less than 0,1 % by weight, or
	(b) the supplier ensures that the recipient of the substance(s) or mixture(s) is provided with information on the requirements referred to in point (b) of paragraph 1 and the following statement is placed on the packaging, in a manner that is visibly distinct from the rest of the label information: "As from 24 August 2023 adequate training is required before industrial or professional use". 3. For the purpose of this entry "industrial and professional user(s)" means any worker or self-employed worker handling diisocyanates on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) or supervising these tasks.
	4. The training referred to in point (b) of paragraph 1 shall include the instructions for the control of dermal and inhalation exposure to diisocyanates at the workplace without prejudice to any national occupational exposure limit value or other appropriate risk management measures at national level. Such training shall be conducted by an expert on occupational safety and health with competence acquired by relevant vocational training. That training shall cover as a minimum: (a) the training elements in point (a) of paragraph 5 for all industrial and professional use(s). (b) the training elements in points (a) and (b) of paragraph 5 for the following uses: — handling open mixtures at ambient temperature (including foam tunnels); — spraying in a ventilated booth;
	 application by roller; application by dipping and pouring; mechanical post treatment (e.g. cutting) of not fully cured articles which are not warm anymore; cleaning and waste; any other uses with similar exposure through the dermal and/or inhalation route; (c) the training elements in points (a), (b) and (c) of paragraph 5 for the following uses: handling incompletely cured articles (e.g. freshly cured, still warm);



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diphenylmethanediisocyanate, isomeres and homologues				
Restriction	Conditions of restriction			
	— foundry applications;			
	maintenance and repair that needs access to equipment;			
	— open handling of warm or hot formulations (> 45 °C);			
	— spraying in open air, with limited or only natural ventilation (includes large industry working halls)			
	and spraying with high energy (e.g. foams, elastomers);			
	— and any other uses with similar exposure through the dermal and/or inhalation route.			
	5. Training elements:			
	(a) general training, including on-line training, on:			
	— chemistry of diisocyanates;			
	toxicity hazards (including acute toxicity);exposure to diisocyanates;			
	— exposure to disocyanates, — occupational exposure limit values;			
	— how sensitisation can develop;			
	— odour as indication of hazard;			
	- importance of volatility for risk;			
	viscosity, temperature, and molecular weight of diisocyanates;			
	— personal hygiene;			
	— personal protective equipment needed, including practical instructions for its correct use and its			
	limitations;			
	— risk of dermal contact and inhalation exposure;			
	risk in relation to application process used;			
	— skin and inhalation protection scheme;			
	— ventilation;			
	— cleaning, leakages, maintenance;			
	— discarding empty packaging;			
	protection of bystanders;identification of critical handling stages;			
	— identification of critical handling stages; — specific national code systems (if applicable);			
	— specific hational code systems (if applicable), — behaviour-based safety;			
	— certification or documented proof that training has been successfully completed			
	(b) intermediate level training, including on-line training, on:			
	— additional behaviour-based aspects;			
	— maintenance;			
	— management of change;			
	— evaluation of existing safety instructions;			
	 risk in relation to application process used; 			
	— certification or documented proof that training has been successfully completed			
	(c) advanced training, including on-line training, on:			
	any additional certification needed for the specific uses covered;spraying outside a spraying booth;			
	— spraying outside a spraying booth, — open handling of hot or warm formulations (> 45 °C);			
	— certification or documented proof that training has been successfully completed			
	6. The training shall comply with the provisions set by the Member State in which the industrial or			
	professional user(s) operate. Member States may implement or continue to apply their own national			
	requirements for the use of the substance(s) or mixture(s), as long as the minimum requirements			
	set out in paragraphs 4 and 5 are met.			
	7. The supplier referred to in point (b) of paragraph 2 shall ensure that the recipient is provided with			
	training material and courses pursuant to paragraphs 4 and 5 in the official language(s) of the			
	Member State(s) where the substance(s) or mixture(s) are supplied. The training shall take into			
	consideration the specificity of the products supplied, including composition, packaging, and design.			
	8. The employer or self-employed shall document the successful completion of the training referred			
	to in paragraphs 4 and 5. The training shall be renewed at least every five years. 9. Member States shall include in their reports pursuant to Article 117(1) the following information:			
	(a) any established training requirements and other risk management measures related to the			
	industrial and professional uses of diisocyanates foreseen in national law;			
	(b) the number of cases of reported and recognised occupational asthma and occupational respiratory			
	and dermal diseases in relation to diisocyanates;			
	(c) national exposure limits for diisocyanates, if there are any;			
	(d) information about enforcement activities related to this restriction.			
	10. This restriction shall apply without prejudice to other Union legislation on the protection of safety			
	and health of workers at the workplace.			



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15.2. Chemical safety assessment

not available

SECTION 16: Other information

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

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. 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

P201 Obtain special instructions before use.

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P308+P313 IF exposed or concerned: Get medical advice/attention.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P284 In case of inadequate ventilation wear respiratory protection.

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

EUH204 Contains isocyanates. May produce an allergic reaction.

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

DNEL Derived no-effect level

EINECS European Inventory of Existing Commercial Chemical Substances

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

log Kow Octanol-water partition coefficient

MARPOL International Convention for the Prevention of Pollution from Ships

OEL Occupational Exposure Limits

PBT Persistent, Bioaccumulative and Toxic

PNEC Predicted no-effect concentration

ppm Parts per million



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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

Acute Tox. Acute toxicity
Carc. Carcinogenicity
Eye Irrit. Eye irritation

Resp. Sens. Respiratory sensitization

Skin Irrit. Skin irritation
Skin Sens. Skin sensitization

STOT RE Specific target organ toxicity - repeated exposure 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 2.0 replaces the SDS version from 15 May 2018. Changes were made in sections 1, 2, 8, 9, 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.