

SAFETY DATA SHEET 	Revision date: 26.07.2023 VERSION: 3.0/EN
SAFETY DATA SHEET MS Polymer Elastic Sealant	

prepared in accordance with Commission Regulation (EU) No 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)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

MS polimer elastic

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

Identified uses: A highly elastic sealing and bonding compound for grouting, sealing and fixing smooth and porous materials. Detailed information on the use, properties and method of application of the product can be found in the technical data sheet.

Uses advised against: Other than those indicated above.

1.3 Details of the supplier of the safety data sheet

Zakłady Chemiczne „ANSER” Sp. z o.o.

ul. Dźwigowa 3/2, 02-437 Warszawa, Poland

Tel.: +48 46 856 73 40 fax: +48 46 856 73 50

email: a.zagajewska@anser.pl

1.4 Emergency telephone number

Emergency telephone number in Poland (available 8:00 a.m. – 4:00 p.m.): +48 46 856 73 40

112 (emergency number), 998 (fire brigade), 999 (medical emergency)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008:

Hazards arising from physicochemical properties:

The mixture is not classified as hazardous with regard to physicochemical properties.

Hazards to health

The mixture is not classified as hazardous to health. See additional labelling.

Hazards to the environment:

The mixture does not pose a hazard to the environment. Under normal conditions of use, no effects on the environment are known or anticipated.

2.2 Label elements

Pictogram

Not applicable

Signal word:

Not applicable

Names of hazardous constituents on the label:

Not applicable

Hazard statement(s) (H)

Not applicable

Precautionary statement(s) (P)

General

P102 Keep out of reach of children.

Response:

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

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Supplemental hazard statements

EUH208 Contains [Diocetyl tinbis(acetylacetonate)]. May produce an allergic reaction.

EUH211: "Warning! Hazardous respirable droplets may be formed when spraying. Do not breathe spray or mist."

EUH210 Safety data sheet available on request [Mixtures not intended for the general public]

2.3 Other hazards

The substances contained in the product do not meet the PBT or vPvB criteria set out in Annex XIII to the REACH Regulation.

PBT substances (substances that are persistent, bioaccumulative and toxic)

vPvB substances (substances that are very persistent and very bioaccumulative)

The product does not contain substances included in the list drawn up in accordance with Article 59(1) on account of endocrine-disrupting properties, nor substances identified as having properties that disrupt the endocrine system in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 (3) or Commission Regulation (EU) 2018/605, at a concentration equal to or greater than 0.1% by weight.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Not applicable

3.2 Mixture

Identification numbers	Chemical name	wt. %	Pictogram	Hazard class / category codes; specific conc. limits, M-factors, ATE	H-statement codes
CAS: 13463-67-7 EC (EINECS): 236-675-5 Index No.: — Own registration number: 01-2119489379-17-xxxx	Titanium dioxide [1] (in powder form containing <1% of particles with an aerodynamic diameter <10 µm)	5<x<10	—	Substance not classified as hazardous	—
CAS: 54068-28-9 EC (EINECS): 483-270-6 Index No.: — Own registration number: 01-0000020199-67-xxxx	Diocetyl tinbis(acetylacetonate)	<1	GHS07 GHS08 Wng	STOT SE 2 Skin Sens. 1	H371 H317
CAS: 52829-07-9 EC (EINECS): 258-207-9 Index No.: — Own registration number: 01-2119537297-32-xxxx	Bis(2,2,6,6-tetramethyl-4-piperidyl)	<0.5	GHS09 GHS05 Dgr	Eye Dam. 1 Aquatic Chronic 2	H318 H411

[1] Contains a substance with a nationally established maximum permissible concentration in the workplace environment. See Section 8.

The full text of the H-statements is given in Section 16 of the Safety Data Sheet.

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SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

General recommendations: Symptoms of poisoning may appear after a dozen or so hours; therefore, medical observation for at least 48 hours from the time of exposure is recommended. If any symptoms occur and persist after first aid has been administered in accordance with the recommendations below, seek medical advice immediately.

Inhalation: Remove or move the affected person away from the area of exposure, place them in a comfortable half-lying or sitting position, keep them calm, and protect them from loss of body heat. Call a doctor if necessary.

Skin contact: Remove contaminated clothing and wash the skin thoroughly with lukewarm running water. Call a doctor if necessary.

Eye contact: Rinse with a large amount of cool water, preferably running water, for at least 15 minutes. Remove contact lenses. Avoid a strong stream of water because of the risk of mechanical damage to the cornea. If irritation persists, consult an ophthalmologist.

Digestive tract: If a large amount has been swallowed, do not induce vomiting. Rinse the mouth with plenty of water. Contact a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: Prolonged contact may cause an allergic reaction.

Eye contact: Contact with the eye may cause eye irritation.

After ingestion: Gastrointestinal problems.

After inhalation: None known.

4.3 Indication of any immediate medical attention and special treatment needed

Show this safety data sheet or the label/packaging to the medical personnel providing assistance. Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable extinguishing media:

Foam, carbon dioxide, extinguishing powders, water – water spray.

Unsuitable extinguishing media:

Do not use a solid (jet) stream of water.

5.2 Special hazards arising from the substance or mixture

During combustion, toxic combustion products may form, including carbon oxides and other unidentified thermal decomposition products. Avoid inhaling combustion products, which may pose a health hazard.

5.3 Advice for firefighters

Follow the procedures applicable to fighting chemical fires. Use general protective measures typical of firefighting. Do not remain in the fire-endangered zone without appropriate chemical-resistant clothing and self-contained breathing apparatus. Collect used extinguishing agents. Remain in the danger zone only with self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

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For persons who are not emergency responders: Restrict access of unauthorised persons to the area of the incident until the appropriate clean-up operations have been completed. In the event of large spills, isolate the endangered area. Use personal protective equipment. Avoid contamination of the eyes and skin. Ensure adequate ventilation.

For emergency responders: Ensure that only trained personnel carry out the clean-up of the incident and its consequences. Use personal protective equipment.

6.2 Environmental precautions

Do not allow the product to enter drains, water bodies or soil. In the event of a release of large quantities of the product, notify the relevant authorities.

6.3 Methods and material for containment and cleaning up

Protect drains. Absorb the product using a chemically inert binding material (sand, diatomaceous earth), transfer it to tightly sealed containers and dispose of it. Rinse the contaminated surface with a large amount of water.

Dispose of the contaminated material as waste, in accordance with Section 13.

6.4 Reference to other sections

Personal protective equipment – see Section 8. Dispose of in accordance with the recommendations given in Section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Work in accordance with health and safety rules. Avoid contact with the eyes and skin. Avoid inhaling product vapours. Wash hands before breaks and after finishing work. Keep unused containers tightly closed. Ensure proper ventilation of the room in which the product is stored and used. Remove sources of ignition; do not smoke. Use personal protective equipment. Use as intended.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store the product in a cool, dry and well-ventilated place. Optimum storage temperature +5°C to +25°C.

Shelf life up to 12 months.

Keep the product away from heat and heating systems. Protect from frost.

7.3 Specific end use(s)

See Section 1.2 of the SDS.

No information available on other uses.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

PL: Titanium dioxide [13463-67-7] – inhalable fraction

OEL (NDS) 10 mg/m³

STEL (NDSch) Not established

Ceiling value (NDSP) Not established

Legal basis:

Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the working environment, Journal of Laws 2018.1286 of 3 July 2018, as amended [Journal of Laws 2020.61, of 17 January 2020].

Regulation of the Minister of Development, Labour and Technology of 18 February 2021 amending the regulation on the maximum permissible concentrations and intensities of factors harmful to health in the working environment [Journal of Laws 2021, item 325].

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Regulation of the Minister of Health of 2 February 2011 on tests and measurements of factors harmful to health in the working environment (Journal of Laws No. 33, item 166, 2011; as amended by Journal of Laws 2022.2662).

DNEL and PNEC values:

Titanium dioxide (13463-67-7)

DNEL Workers

Respiratory route (inhalation), long-term, local effects: 10 mg/m³

PNEC

Fresh water: 0.127 mg/L

Marine water: 1 mg/L

Soil: 100 mg/kg

Freshwater sediment: 1000 mg/kg

Marine sediment: 100 mg/kg

Intermittent releases (water): 0.61 mg/L

Sewage treatment plant: 100 mg/L

Recommended monitoring procedures

Monitoring procedures for the concentrations of hazardous components in air and workplace air-quality control procedures should be applied — where available and justified for the given position — in accordance with the relevant Polish or European Standards, taking into account the conditions prevailing at the place of exposure and appropriate measurement methodology adapted to working conditions. The mode, type and frequency of tests and measurements should meet the requirements set out in the Regulation of the Minister of Health of 2 February 2011 (Journal of Laws 2011 No. 33, item 166).

8.2 Exposure controls

8.2.1 Appropriate technical control measures

If the exposure level exceeds the OEL, appropriate respiratory protective equipment is required.

8.2.2 Individual protection measures, such as personal protective equipment

When the concentration of hazardous substances is determined and known, the selection of personal protective equipment should take into account the concentration of the substance present at the given workstation, the duration of exposure, the activities performed by the worker, and the recommendations provided by the manufacturer of the personal protective equipment. In an emergency situation, or when the concentration of the substance at the workstation is not known, use personal protective equipment that isolates the body (a gas-tight suit combined with isolating respiratory protective equipment).

Respiratory tract: Under normal conditions, with sufficient ventilation, not necessary. If the exposure level exceeds the OEL, appropriate respiratory protective equipment is required.

Hands and skin: Chemical-resistant, impermeable gloves complying with an approved standard should be worn at all times when working with chemical products, where the risk assessment indicates this is necessary.

The material from which the gloves are made must be impermeable and resistant to the action of the product. The resistance of the glove material must be checked before use. Information on the breakthrough time of substances through the gloves should be obtained from the glove manufacturer, and this time must be observed. Regular replacement of gloves is recommended, and they should be replaced immediately if any signs of wear, damage (tears, punctures) or changes in appearance (colour, elasticity, shape) occur.

The use of suitable protective creams is recommended to prevent excessive drying of the skin.

Eyes: In an environment where splashing may occur, safety goggles should be used.

Occupational hygiene: General industrial occupational hygiene regulations apply. Remove contaminated clothing after finishing work. Wash hands and face before breaks. Wash the whole body thoroughly after work. Do not eat, drink or smoke while working.

8.2.3 Environmental exposure controls

Any emissions from ventilation systems and process equipment should be checked to determine their compliance with the requirements of environmental protection legislation.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state: Thick paste

Colour: Yellowish

Odour: No data available

Melting/freezing point: No data available

Boiling point and boiling range: approx. 100°C

Flammability of materials: No data available

Lower and upper explosive limits: No data available

Flash point: No data available

Auto-ignition temperature [gases, liquids]: No data available

Decomposition temperature: No data available

pH: No data available

Kinematic viscosity [mm²/s]: No data available

Solubility: No data available

Partition coefficient: n-octanol/water: No data available

Vapour pressure: No data available

Relative density: 14 g/cm³

Relative vapour density: No data available

Particle characteristics [solids]: No data available

9.2 Other information

9.2.1 Information on physical hazard classes

No additional test results available.

9.2.2 Other safety properties

No additional test results available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Under conditions of storage and handling in accordance with the intended use — no reactivity.

10.2 Chemical stability

Under normal conditions of use and storage, the product is stable.

10.3 Possibility of hazardous reactions

No hazardous reactions are known.

10.4 Conditions to avoid

High temperature. Sources of ignition.

10.5 Incompatible materials

Strong oxidisers, strong bases, strong acids. Water and moisture may reduce the quality of the product.

10.6 Hazardous decomposition products

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Depending on the decomposition conditions, complex mixtures of chemical substances may be released as a result: carbon dioxide (CO₂), carbon monoxide and other organic compounds. For more information, see Section 5.

SECTION 11: TOXICOLOGICAL INFORMATION

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

Toxicity of the mixture's components

Diocetyl tinbis(acetylacetonate) [54068-28-9]

LD50 Oral, rat: 2,500 mg/kg

LD50 Dermal, rat: >2,000 mg/kg

Titanium dioxide (13463-67-7)

LD50 Oral, rat: >10,000 mg/kg

LD50 Dermal, rabbit: >1,000 mg/kg

LC50 Inhalation, rat: >5.09 mg/L/4h

Toxicity of the mixture

Acute toxicity

Based on the available data, the classification criteria are not met.

Corrosive/irritant effect on the skin:

Based on the available data, the classification criteria are not met.

Serious eye damage/eye irritation

Based on the available data, the classification criteria are not met.

Respiratory or skin sensitisation

EUH208 Contains [Diocetyl tinbis(acetylacetonate)]. May produce an allergic reaction.

Germ cell mutagenicity:

Based on the available data, the classification criteria are not met.

Carcinogenicity

Based on the available data, the classification criteria are not met.

Reproductive toxicity:

Based on the available data, the classification criteria are not met.

Specific target organ toxicity – single exposure:

Based on the available data, the classification criteria are not met.

Specific target organ toxicity – repeated exposure:

Based on the available data, the classification criteria are not met.

Aspiration hazard:

Based on the available data, the classification criteria are not met.

Information on likely routes of exposure

Skin contact: Prolonged contact may cause an allergic reaction.

Eye contact: Contact with the eye may cause eye irritation.

After ingestion: Gastrointestinal problems.

After inhalation: None known.

11.2 Information on other hazards

Endocrine-disrupting properties:

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The product has no effect on the endocrine system in accordance with the assessment criteria set out in Regulations (EC) No 1907/2006, (EU) 2017/2100, (EU) 2018/605.

Other information:

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity of the mixture

The mixture does not pose a hazard to the environment. Under normal conditions of use, no effects on the environment are known or anticipated.

To minimise long-term global pollution, consider:

- Reducing the consumption of disposable products and packaging.
- Participating in recycling activities.
- Preventing the product from entering water, wastewater or soil.

12.2 Persistence and degradability

No data available for the mixture.

12.3 Bioaccumulative potential

No data available for the mixture.

12.4 Mobility in soil

The mobility of substances depends on their hydrophilic and hydrophobic properties and on the abiotic and biotic conditions of the soil, including its structure, climatic conditions, the season (in Poland, a temperate transitional climate), and soil organisms, mainly bacteria, fungi, algae and invertebrates.

12.5 Results of PBT and vPvB assessment

Does not meet the PBT and vPvB criteria.

12.6 Endocrine-disrupting properties

The product does not contain constituents included in the list drawn up in accordance with Article 59(1) as having endocrine-disrupting properties, nor constituents with properties that disrupt the endocrine system in accordance with the criteria set out in Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, at a concentration equal to or greater than 0.1%.

12.7 Other adverse effects

The mixture is not classified as hazardous to the ozone layer. The possibility of other adverse effects of the individual constituents of the mixture on the environment should be considered (e.g. potential for endocrine disruption, contribution to global warming).

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal of the product:

Make sure containers are empty before disposal (risk of explosion). Do not pierce or burn, even when empty.

Dispose of waste and residues in accordance with the requirements of the local authorities.

The waste code should be assigned at the place where the waste is generated.

Proposed waste code

Waste code: 08 04 10 – Waste adhesives and sealants other than those mentioned in 08 04 09

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Disposal of packaging: Recovery (recycling) or disposal of packaging waste should be carried out in accordance with applicable regulations. Reusable packaging should be reused after cleaning.

Waste disposal should be carried out in professional, licensed incineration plants or waste treatment and disposal facilities.

Waste code: 15 01 02 – Plastic packaging, or 15 01 01 – Paper and cardboard packaging

Legal basis:

EU legislation: Directives of the European Parliament and of the Council: 2008/98/EC, as amended; 94/62/EC, as amended.

National legislation: Act on Waste, Journal of Laws 2013, item 21, as amended; Act on Packaging and Packaging Waste Management, Journal of Laws 2013, item 888, as amended.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number

The product is not subject to the regulations on the carriage of dangerous goods contained in ADR (road transport), RID (rail transport), IMG (sea transport), ICAO/IATA (air transport).

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

The product does not pose a hazard to the environment in accordance with the criteria contained in the UN Model Regulations.

14.6 Special precautions for user

No special precautions.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Other regulations

1. 1907/2006/EC Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a 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.
2. 1272/2008/EC Regulation of the European Parliament and of the Council of 16 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.
3. 2020/878/EU Commission Regulation 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.
4. 2008/98/EC Directive of the European Parliament and of the Council of 19 November 2008 on waste, repealing certain Directives, as amended.
5. 94/62/EC Directive of the European Parliament and of the Council of 20 December 1994 on packaging and packaging waste, as amended.

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6. 2016/425/EU Regulation of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.
7. Commission Regulation (EU) No 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).
8. Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the working environment, Journal of Laws 2018.1286 of 3 July 2018.
9. Act of 25 February 2011 on chemical substances and their mixtures (consolidated text, Journal of Laws 2022, item 1816).
10. Act of 13 June 2013 on packaging and packaging waste management (consolidated text, Journal of Laws 2020, item 1114, as amended).
11. Act of 14 December 2012 on waste (consolidated text, Journal of Laws 2022, item 699, as amended).
12. Act on the Carriage of Dangerous Goods of 19 August 2011 (Journal of Laws No. 227, item 1367). Consolidated text, Journal of Laws 2020, item 154, 875.
13. Government Declaration of 13 March 2023 on the entry into force of amendments to Annexes A and B to the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), done at Geneva on 30 September 1957 (Journal of Laws 2023, item 891).

15.2 Chemical safety assessment

The supplier has not carried out a chemical safety assessment. A chemical safety report is not required for the mixture.

SECTION 16: OTHER INFORMATION

16.0 Other sources of data

IUCLID Data Bank (European Commission – European Chemicals Bureau). ESIS – European Chemical Substances Information System (European Chemicals Bureau).

Sheet prepared by: Małgorzata Krenke [based on the supplier's safety data sheet], Feed Reach Consulting; e-mail: biuro@frc.com.pl

The above information has been prepared on the basis of currently available data characterising the product and the experience and knowledge held in this field by the manufacturer. The data contained in the Sheet should be treated solely as an aid for the safe handling of the product in transport, distribution, use and storage. The Sheet is not a certificate of the product's quality. The information contained in the Sheet relates only to the named product and may not be valid or sufficient for this product when used in combination with other materials or in different applications. The user of the product is obliged to comply with all applicable standards and regulations and bears the responsibility arising from improper use of the information contained in the Sheet or improper application of the product.

16.1 Classification and procedures used to derive the classification of the mixture in accordance with Regulation (EC) 1272/2008 [CLP]

Hazards arising from physicochemical properties:

The mixture is not classified as hazardous with regard to physicochemical properties.

Hazards to health

The mixture is not classified as hazardous to health. EUH208 Contains [Diocetyl tin bis(acetylacetonate)]. May produce an allergic reaction.

Hazards to the environment:

The mixture does not pose a hazard to the environment. Under normal conditions of use, no effects on the environment are known or anticipated.

16.2 H-statements (indicating the type of hazard) used in Sections 2 and 3 of the Safety Data Sheet

Code	Full text
H371	May cause damage to organs.

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Code	Full text
STOT SE 2	Specific target organ toxicity – single exposure, Hazard Category 2.
H317	May cause an allergic skin reaction.
Skin Sens. 1	Skin sensitisation, Hazard Category 1.
H318	Causes serious eye damage.
Eye Dam. 1	Serious eye damage/eye irritation, Hazard Category 1.
H411	Toxic to aquatic life with long lasting effects.
Aquatic Chronic 2	Hazardous to the aquatic environment, Hazard Category 2.

16.3 Explanation of abbreviations and acronyms

Abbreviation	Meaning
CEN	European Committee for Standardization
C&L	Classification and Labelling
CLP	Regulation on Classification, Labelling and Packaging; Regulation (EC) No 1272/2008
CAS	Chemical Abstracts Service number
COM	European Commission
CMR	Carcinogenic, mutagenic or toxic to reproduction
CSA	Chemical Safety Assessment
CSR	Chemical Safety Report
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
DPD	Dangerous Preparations Directive 1999/45/EEC
DSD	Dangerous Substances Directive 67/548/EEC
EC	European Commission
EC50	Median effective concentration
ECB	European Chemicals Bureau
ECHA	European Chemicals Agency
EC	EINECS and ELINCS number (see also EINECS and ELINCS)
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EN	European Standard
EU	European Union
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
IC50	Concentration causing 50 percent inhibition of a given parameter
IUCLID	International Uniform Chemical Information Database

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Abbreviation	Meaning
IUPAC	International Union of Pure and Applied Chemistry
LC50	Median lethal concentration
LD50	Median lethal dose
MSDS	Safety Data Sheet
PBT	Persistent, bioaccumulative and toxic substance
PEC	Predicted environmental concentration
PNEC(s)	Predicted no-effect concentration(s)
PPE	Personal protective equipment
REACH	Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
SDS	Safety Data Sheet
SIEF	Substance Information Exchange Forum
STOT	Specific target organ toxicity
(STOT) RE	Repeated exposure
(STOT) SE	Single exposure
SVHC	Substances of Very High Concern
vPvB	[Substances] very persistent and very bioaccumulative
UN number	Material identification number under the ADR agreement.
ADR	International convention concerning the international carriage of dangerous goods by road
RID	Regulations concerning the international carriage of dangerous goods by rail
IMGD	International code for dangerous cargoes.
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
MARPOL	International Convention for the Prevention of Pollution from Ships (MARPOL)
Ems	Emergency response procedures for ships carrying dangerous goods
NDS	Maximum permissible concentration at the workplace (TLV-TWA) (OEL-TWA) (PEL-TWA)
NDSch	Maximum permissible short-term concentration (TLV-STEL)
NDSP	Maximum permissible ceiling concentration (TLV-CL)

16.4 Training

Before starting work with the product, the user should familiarise themselves with occupational health and safety rules concerning the handling of chemicals, and in particular undergo appropriate job-specific training.

VERSION: 3.0

Changes in sections: 1-16