

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 08.04.2022

Version number 302 (replaces version 301)

Revision: 08.04.2022

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

- **1.1 Product identifier** 600510
- **Trade name:** MS Polymer E-COLL
- **Article number:** 4317784341813
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use**
 - SU21 Consumer uses: Private households / general public / consumers
 - SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Application of the substance / the mixture** Sealant
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 - E/D/E - Einkaufsbuero Deutscher Eisenhaendler GmbH
 - EDE Platz 1
 - D-42389 Wuppertal
 - Germany

Tel. +49 202 6096-0
e-mail: sdb@ede.de
- **Further information obtainable from:** Product safety department
- **1.4 Emergency telephone number:** Giftinformationszentrum Mainz – Tel.: +49 (6131) 19240

* SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**

The product is not classified, according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Precautionary statements**
 - P101 If medical advice is needed, have product container or label at hand.
 - P102 Keep out of reach of children.
- **Additional information:**
 - EUH210 Safety data sheet available on request.
 - EUH212 Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.04.2022

Version number 302 (replaces version 301)

Revision: 08.04.2022

Trade name: MS Polymer E-COLL

(Contd. of page 1)

2.3 Other hazards**Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients**3.2 Mixtures**

- **Description:** Mixture of substances listed below with nonhazardous additions.

Dangerous components:

ELINCS: 432-430-3 Index number: 616-200-00-1 Reg.nr.: 01-0000017860-69	reaction mass of: N,N'-ethane-1,2-diylbis(hexanamide); 12-hydroxy-N-[2-[(1-oxyhexyl)amino]ethyl]octadecanamide; N,N'-ethane-1,2-diylbis(12-hydroxyoctadecanamide) Aquatic Chronic 4, H413	<1.25%
CAS: 1760-24-3 EINECS: 217-164-6	N-(3-(trimethoxysilyl)propyl)ethylenediamine ⚠ Eye Dam. 1, H318 ⚠ Skin Sens. 1, H317	0.1-<1%
CAS: 2768-02-7 EINECS: 220-449-8 Reg.nr.: 21195413215-52-xxxx	trimethoxyvinylsilane ⚠ Flam. Liq. 3, H226 ⚠ Acute Tox. 4, H332; Skin Sens. 1, H317	0.1-<1%
CAS: 52829-07-9 EINECS: 258-207-9	Bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate ⚠ Repr. 2, H361fd ⚠ Eye Dam. 1, H318 ⚠ Aquatic Acute 1, H400	0.1-<1%
CAS: 54068-28-9 ELINCS: 483-270-6 Reg.nr.: 01-0000020199-67-xxxx	Diocetylbis(pentan-2,4-dionato-O,O')zinn ⚠ STOT SE 2, H371 ⚠ Skin Sens. 1, H317	0.1-<1%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures**4.1 Description of first aid measures**

- **General information:** Keine besonderen Maßnahmen erforderlich.

After inhalation:

Supply fresh air.
Seek medical treatment in case of complaints.

- **After skin contact:** If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.
If symptoms persist consult doctor.

(Contd. on page 3)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 08.04.2022

Version number 302 (replaces version 301)

Revision: 08.04.2022

Trade name: MS Polymer E-COLL

(Contd. of page 2)

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

No further relevant information available.

· 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures**· 5.1 Extinguishing media****· Suitable extinguishing agents:**CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**· 5.2 Special hazards arising from the substance or mixture**

In case of fire, the following can be released:

Carbon monoxide (CO)

Sulphur dioxide (SO₂)

Hydrogen chloride (HCl)

· 5.3 Advice for firefighters**· Protective equipment:** Wear self-contained respiratory protective device.**SECTION 6: Accidental release measures****· 6.1 Personal precautions, protective equipment and emergency procedures** Not required.**· 6.2 Environmental precautions:**

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

Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

· 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage**· 7.1 Precautions for safe handling** No special precautions are necessary if used correctly.**· Information about fire - and explosion protection:** No special measures required.**· 7.2 Conditions for safe storage, including any incompatibilities****· Storage:****· Requirements to be met by storerooms and receptacles:** Well closed, protected from light.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.04.2022

Version number 302 (replaces version 301)

Revision: 08.04.2022

Trade name: MS Polymer E-COLL

(Contd. of page 3)

- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Storage class:** -
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **DNELs**

CAS: 2768-02-7 trimethoxyvinylsilane

Oral	DNEL Langzeitwert Verbraucher	0.3 mg/kg/d (cus)
Dermal	Long term value for employees	7.8 mg/kg bw/Tag (cus) 3.9 mg/kg bw/Tag (industrial use)
Inhalative	Long term value for employees	18.9 mg/m ³ (cus) 27.6 mg/m ³ (industrial use)

- **Additional information:** The lists valid during the making were used as basis.

· 8.2 Exposure controls

- **Appropriate engineering controls** No further data; see item 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not necessary if room is well-ventilated.
- **Hand protection**



Protective gloves

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.4 mm

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.04.2022

Version number 302 (replaces version 301)

Revision: 08.04.2022

Trade name: MS Polymer E-COLL

(Contd. of page 4)

- **Eye/face protection** Recommendation: safety glasses with side protection shield
- **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

- **Colour:** Different according to colouring
- **Odour:** Characteristic
- **Odour threshold:** Not determined.
- **Melting point/freezing point:** Undetermined.
- **Boiling point or initial boiling point and boiling range** Undetermined.
- **Flammability** Not applicable.
- **Lower and upper explosion limit**
- **Lower:** Not determined.
- **Upper:** Not determined.
- **Flash point:** Not applicable.
- **Decomposition temperature:** Not determined.
- **pH** Not determined.
- **Viscosity:**
- **Kinematic viscosity** Not determined.
- **Kinematic: 23 °C - 4 mm (ISO 2431)**
- **Dynamic:** Not determined.
- **Solubility**
- **water:** Not miscible or difficult to mix.
- **Partition coefficient n-octanol/water (log value)** Not determined.
- **Vapour pressure:** Not determined.
- **Density and/or relative density**
- **Density at 20 °C:** 1.6 g/cm³
- **Relative density** Not determined.
- **Vapour density** Not determined.

· 9.2 Other information

- **Appearance:**
- **Form:** Pasty
- **Important information on protection of health and environment, and on safety.**
- **Auto-ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product does not present an explosion hazard.
- **Solvent separation test:**
- **VOC (EC) %** 0.76-1.27 %
- **VOC (EC) g/l** 12-21 g/l
- **Change in condition**
- **Evaporation rate** Not determined.

· Information with regard to physical hazard classes

- **Explosives** Void
- **Flammable gases** Void
- **Aerosols** Void

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.04.2022

Version number 302 (replaces version 301)

Revision: 08.04.2022

Trade name: MS Polymer E-COLL

(Contd. of page 5)

- Oxidising gases Void
- Gases under pressure Void
- Flammable liquids Void
- Flammable solids Void
- Self-reactive substances and mixtures Void
- Pyrophoric liquids Void
- Pyrophoric solids Void
- Self-heating substances and mixtures Void
- Substances and mixtures, which emit flammable gases in contact with water Void
- Oxidising liquids Void
- Oxidising solids Void
- Organic peroxides Void
- Corrosive to metals Void
- Desensitised explosives Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

* SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

reaction mass of: N,N'-ethane-1,2-diylbis(hexanamide); 12-hydroxy-N-[2-[(1-oxyhexyl)amino]ethyl] octadecanamide; N,N'-ethane-1,2-diylbis(12-hydroxyoctadecanamide)

Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)

CAS: 2768-02-7 trimethoxyvinylsilane

Oral	LD50	7,120 mg/kg (rat) (OCED 401)
Inhalative	LC50/4h	16.8 mg/L (rat)

CAS: 52829-07-9 Bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate

Dermal	LD50	>3,700 mg/kg (rat)
Inhalative	LC50/4h	0.5 ppm (rat)

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.04.2022

Version number 302 (replaces version 301)

Revision: 08.04.2022

Trade name: MS Polymer E-COLL

(Contd. of page 6)

CAS: 54068-28-9 Dioctylbis(pentan-2,4-dionato-O,O')zinn

Oral	LD50	2,500 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4h	5.1 ppm (rat)

- **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** Based on available data, the classification criteria are not met.
- **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.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **Sensitisation**
Skin Sensitisation (test on mixture), Haut, In vitro
Not sensitising (OECD 497)
- **11.2 Information on other hazards**

· Endocrine disrupting properties

None of the ingredients is listed.

* SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

CAS: 2768-02-7 trimethoxyvinylsilane

LC50 (96h)	191 mg/L (Fis)
EC50 (48h)	168.7 mg/L (Daphnia galeata)
EC50/72h	957 mg/l (algae)

CAS: 54068-28-9 Dioctylbis(pentan-2,4-dionato-O,O')zinn

EC50	47.6 mg/l (crustacean)
ErC50	32 mg/l (algae)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.

(Contd. on page 8)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 08.04.2022

Version number 302 (replaces version 301)

Revision: 08.04.2022

Trade name: MS Polymer E-COLL

(Contd. of page 7)

· **12.5 Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.· **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

· **12.7 Other adverse effects**· **Additional ecological information:**· **General notes:**

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even small quantities leak into the ground.

SECTION 13: Disposal considerations· **13.1 Waste treatment methods:** Containers can be recycled if completely empty.· **European waste catalogue**

08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

SECTION 14: Transport information· **14.1 UN number or ID number**· **ADR, ADN, IMDG, IATA** Void· **14.2 UN proper shipping name**· **ADR** UN-· **ADN, IMDG, IATA** Void· **14.3 Transport hazard class(es)**· **ADR, ADN, IMDG, IATA**· **Class** Void· **14.4 Packing group**· **ADR, IMDG, IATA** Void· **14.5 Environmental hazards:**· **Marine pollutant:** No· **14.6 Special precautions for user** Not applicable.· **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.· **UN "Model Regulation":** UN-, -

EU

(Contd. on page 9)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 08.04.2022

Version number 302 (replaces version 301)

Revision: 08.04.2022

Trade name: MS Polymer E-COLL

(Contd. of page 8)

SECTION 15: Regulatory information

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

- **REGULATION (EU) 2019/1148**

- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

- **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

- **National regulations:**

- **Information about limitation of use:**

Employment restrictions concerning women of child-bearing age must be observed.
Employment restrictions concerning juveniles must be observed.

- **Exposure scenario(s)**

Exposure scenario(s) of ingredients (if present) are available on request at:
sdb@ede.de

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H226 Flammable liquid and vapour.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.
H371 May cause damage to organs.
H400 Very toxic to aquatic life.
H413 May cause long lasting harmful effects to aquatic life.

- **Department issuing SDS:** Product safety department

- **Contact:** sdb@ede.de

- **Date of previous version:** 17.12.2021

- **Version number of previous version:** 301

- **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

(Contd. on page 10)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 08.04.2022

Version number 302 (replaces version 301)

Revision: 08.04.2022

Trade name: MS Polymer E-COLL

(Contd. of page 9)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Repr. 2: Reproductive toxicity – Category 2

STOT SE 2: Specific target organ toxicity (single exposure) – Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

*** Data compared to the previous version altered.**

EU