

SAFETY DATA SHEET

(according to Regulation (EC) No. 1907/2006 (REACH) amended by 2020/878/EU)

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

1.1 Product identifier

Substance name: **MEGA-FIX**
 Registration number (REACH) none (mixture)
 EC number 205-788-1 none (mixture)
 CAS number 151-21-3 none (mixture)
 Alternative name(s) none

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

Use of the Substance/Mixture: Adhesives and sealants for construction work.

Uses advised against: It is not recommended to be used for purposes other than those specified in the instructions for use/technical sheet.

1.3 Details of the supplier of the safety data sheet

Company: METRUM s.r.o.
 Gen. Štefánika 1638, 750 02 Přerov
 Czech Republic
 Telephone: 00420 582 728 228
 E-mail address: lenka.navratilova@metrum.cz
 Responsible/issuing person: otmar.sysala@metrum.cz

1.4 Emergency telephone number

European emergency number: 112

Section 2: Hazard identification

2.1 Classification of the substance or mixture

Classification according to Regulation 1272/2008/EC: Not classified.

Classification according to Directive 67/548/EEC: Not classified.

2.2 Label elements

Labelling according to Regulation 1272/2008/EC:

Symbol(s): No symbols

Signal word: NA

Hazard statements: NA

Precautionary statements: NA

Labelling according to Directive 67/548/EEC:

Symbol(s): No symbols

H-phrases: NA

P-phrases: NA

Additional information on the label:

EUH 208 – Contains N-(3-(trimethoxysilyl)propyl)ethylenediamine. May produce an allergic reaction.

EUH 210 - Safety data sheet available on request.

2.3 Other hazards

General advice: The product does not contain a substance fulfilling the PBT (persistent/bio-accumulative/toxic) criteria of the vPvB (very persistent/very bio-accumulative) criteria. (See Section 12.)

Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0.1\%$.

Section 3: Composition/information on ingredients

- 3.2 Mixtures**
Substances/Mixtures: Mixture
Hazardous components

Substance	Concentration	Substance identifiers	Classification according to Regulation (EC) No 1272/2008 (CLP)
triethyl phosphate	5 - <6%	CAS No 78-40-0 EC No 201-114-5 REACH Reg. No 01-2119492852-28-0000	Acute Tox. 4; H302 Eye Irrit. 2; H319
N-(3-(trimethoxysilyl propyl)ethylenediamine	0,8 -<0,9%	CAS No 1760-24-3 EC No 217-164-6 REACH Reg. No 01-2119970215-39-XXXX	Skin Sens. 1; H317 Eye Dam. 1; H318 Acute Tox. 4; H332 STOT RE 2; H373

For the full text of the H-Statements and R-phrases mentioned in this Section, see Section 16.

Section 4: First aid measures

4.1 Description of first aid measures

- Inhalation: With the usual method of use and observance of basic hygiene regulations, inhalation does not occur.
- Skin contact: Take off all contaminated clothing immediately. Wash with plenty of soap and water. Seek medical attention if skin irritation or rash occurs.
- Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.
- Ingestion: Call a physician. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice.

4.2 Most important symptoms and effects, both acute and delayed

- Inhalation symptoms / effects: Not available.
- Symptoms / effects after skin contact: Contains N-(3-(trimethoxysilyl)propyl)-ethylenediamine. May cause an allergic reaction.
- Symptoms/effects after eye contact: Not available.
- Symptoms/effects after ingestion: Not available.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment: No information available.

Section 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media: Co-ordinate firefighting measures to the fire surroundings water, foam, alcohol resistant foam, dry extinguishing powder, ABC-powder.

5.2 Special hazards arising from the substance or mixture

- Fire hazard: None
- Danger of explosion: None
- In the event of a fire, dangerous fumes containing carbon oxides are produced.

5.3 Advice for fire fighters

- In case of fire and/or explosion do not breathe fumes. Do not allow firefighting water to enter drains or water courses. Fight fire with normal precautions from a reasonable distance. Wear self-contained breathing apparatus.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Emergency procedures: None required.
Non-emergency personnel: Protective equipment: Equip the cleaning team with proper protective equipment.
 Emergency plans: Not required.

6.2 Environmental precautions

Environmental precautions: Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

Methods and material for containment and cleaning up

Method for cleaning up:

Advice on how to contain a spill: Covering of drains. Take up mechanically.

Advice on how to clean up a spill: Take up mechanically. Control of dust.

Other information relating to spills and releases: Place in appropriate containers for disposal.

6.3 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8.

Incompatible materials: see section 10. Disposal considerations: see section 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

No special belongings are necessary.

Hygienic measures: Use appropriate personal protective equipment. Observes basic hygiene and safety rules for working with chemical substances.

7.2 Conditions for safe storage, including any incompatibilities

Store in original packaging, protect from direct sunlight. Store in a dry and cool place well ventilated place.

Incompatible materials: None known.

7.3 Specific end uses

No information available.

Section 8: Exposure controls/personal protection

8.1 Control parameters

The product does not contain substances with workplace control parameters.

Relevant DNELs and other threshold levels

triethyl phosphate (CAS No 78-40-0)

worker: 35,3 mg/m³ – exposure: inhalation, chronic system effects

worker: 5 mg/kg bw/day – exposure: dermal, chronic system effects

N-(3-(trimethoxysilyl) propyl)ethylenediamine (CAS No 1760-24-3)

worker: 11,7 mg/m³ – exposure: inhalation, chronic system effects

worker: 3,33 mg/kg bw/day – exposure: dermal, chronic system effect

Relevant PNECs and other threshold levels

triethyl phosphate (CAS No 78-40-0)

freshwater: 0,632 mg/l

marine water: 0,0632 mg/l

sewage treatment plant: (STP): 298,5 mg/l

freshwater sediment: 4,83 mg/kg

marine sediment: 0,483 mg/kg

soil: 0,596 mg/kg

N-(3-(trimethoxysilyl) propyl)ethylenediamine (CAS No 1760-24-3)

freshwater: 0,062 mg/l
 marine water: 0,0062 mg/l
 sewage treatment plant: (STP): 25 mg/l
 freshwater sediment: 0,22 mg/kg
 marine sediment: 0,022 mg/kg
 soil: 0,0085 mg/kg

8.2 Exposure controls

Occupational exposure limit values (Workplace Exposure Limits)

Appropriate engineering measures: Ensure good ventilation in the workplace.

Personal protective equipment: Work gloves.

Hand protection: Chemical resistant protective gloves.

Recommended types of gloves (EN 374-1): Protective gloves made of butyl rubber

Material thickness: > 0.4 mm; breakthrough time: > 480 minutes.

Protective gloves made of nitrile rubber

Material thickness: > 0.3 mm; breakthrough time: > 480 minutes.

Eye protection: Not required under normal conditions (with normal use).

Skin and body protection: Suitable work clothes.

Respiratory protection: Not applicable under normal conditions (with normal use).

Environmental exposure controls

General advice: Do not flush into surface water or sanitary sewer system.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	paste
Colour:	white
Odour:	odourless to slightly characteristic
pH:	not relevant
Melting point/boiling point:	no data available
Density:	1510 kg/m ³ (20 °C)
Water solubility:	insoluble, hydrolytic decomposition occurs
Flammability:	non-flammable
Lower and upper explosion limit:	not determined
Vapour pressure:	not determined
Relative vapour density:	not determined
Partition coefficient:	not determined
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
Viscosity:	180 000 – 230 000 mN·s/m ²
Explosion properties:	not determined
Oxidising properties:	not determined

9.2 Other information

VOC content: 5.0%; 75.5 g/l

Section 10: Stability and reactivity

10.1 Reactivity

The product reacts slowly with water (moist environment) which turns the product into a rubbery solid and releases methanol.

10.2 Chemical stability

The product is chemically stable when used as recommended.

10.3 Possibility of hazardous reactions

Hydrolysis releases small amounts of methanol as a toxic substance.

12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$.

12.7 Other adverse effects

Data are not available.

Section 13: Disposal considerations

13.1 Waste treatment methods

Appropriate method of waste disposal - legal entities and natural persons authorized to do business

It must not be disposed of together with municipal waste. Do not pour down the drain. Unused product and store the contaminated packaging in marked containers for waste collection and marked waste incl. identification card hand over waste for disposal to an authorized person for waste removal (specialized company).

Appropriate packaging disposal: Empty, uncleaned packaging can be used for energy in a waste incinerator.

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

Empty packaging: subgroup 15 01 02 plastic packaging

Waste from cleaning: 15 02 03 absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02

Appropriate method of waste disposal - consumer

Put the unused product in containers for the collection of construction waste in waste collection yards. Empty put the packaging in a place designated by the municipality for depositing waste in containers for municipal waste collection.

Section 14: Transport information

ADR/IATA/IMDG/RID

Not dangerous goods for transport.

Section 15: Regulatory information

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

This safety data sheet complies with the requirements of Regulation (EC) no. 1097/2006.

15.2 Chemical Safety Assessment

No required