



Safety Data Sheet according to (EC) No 1907/2006 - ISO 11014-1

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Loctite Repair Extreme

sds no. : 373172
V001.0

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1. Identification of the substance/preparation and of the company/undertaking

Trade name:

Loctite Repair Extreme

Intended use:

Reaction adhesives

Company name:

Henkel Norden AB / Branch Copenhagen
Helgeshøj Allé 20-22
2630 TAASTRUP

Denmark

Phone: +46 10 480 7710

E-mail address of person responsible for Safety Data Sheet:

ua-productsafety.norden@se.henkel.com

Emergency information:

+46 10 480 7500 (kontortid)

2. Hazards identification

The product is not hazardous within the meaning of the valid (EU) preparation directive.
Persons suffering from allergic reactions to amines should avoid contact with the product.

3. Composition / information on ingredients

General chemical description:

1-Component assembly adhesive

Base substances of preparation:

Trimethoxysilane

Declaration of ingredients according to (EC) No 1907/2006:

Hazardous components CAS-No.	EINECS ELINCS	content	Classification
3-(Trimethoxysilyl)propylamine 13822-56-5	237-511-5	< 5 %	Xi - Irritant; R36/38
Trimethoxyvinylsilane 2768-02-7	220-449-8	< 10 %	Xn - Harmful; R10, R20
N-(3- (Trimethoxysilyl)propyl)ethylenediami ne 1760-24-3	217-164-6	< 1 %	Xi - Irritant; R41, R43
Methanol 67-56-1	200-659-6	< 0,2 %	F - Highly flammable; R11 T - Toxic; R23/24/25, R39/23/24/25

For full text of the R-Phrases indicated by codes see section 16 'Other Information'.

Substances without classification may have community workplace exposure limits available.

4. First aid measures

General information:

In case of adverse health effects seek medical advice.

Inhalation:

Move to fresh air.

Skin contact:

Wipe off affected skin area immediately with a soft cloth and then wash with running water and mild soap; apply skin care product.

Eye contact:

Rinse immediately with plenty of running water, seek medical advice from a specialist.

Ingestion:

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

5. Fire fighting measures

Suitable extinguishing media:

Carbon dioxide.
Foam.
Powder

Extinguishing media which must not be used for safety reasons:

High pressure waterjet

Special protection equipment for firefighters:

Wear protective equipment.
Wear self-contained breathing apparatus.

Special hazards by the product itself:

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO₂) can be released.

6. Accidental release measures

Personal precautions:

Avoid contact with skin and eyes.
Ensure adequate ventilation.
Wear protective equipment.

Environmental precautions:

Do not empty into drains / surface water / ground water.

Clean-up methods:

Remove mechanically.
Dispose of contaminated material as waste according to item 13.

7. Handling and storage

Handling:

Avoid skin and eye contact.
Ensure that workrooms are adequately ventilated.

Storage:

Store frost-free.
Temperatures between + 5 °C and + 35 °C
Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

8. Exposure controls / personal protection**Components with specific control parameters for workplace:**

Valid for
Denmark
Basis
Denmark TWA

Ingredient	ppm	mg/m3	Type	Category	Remarks
METHANOL 67-56-1				Listed.	DK OS
Methanol 67-56-1	200		Threshold Limit Values (TLV):		DK OS
Methanol 67-56-1			Skin designation:	Can be absorbed through the skin.	DK OS
Methanol 67-56-1	200	260	Threshold Limit Values (TLV):		GV (DK)
Methanol 67-56-1			Skin designation:	Can be absorbed through the skin.	GV (DK)

Engineering controls:

Draw off vapours directly at the point of generation and exit. In the case of regular work, provide bench-mounted extraction equipment.

Respiratory protection:

Suitable breathing mask when there is inadequate ventilation.
When processing large amounts.

Hand protection:

For shorttime contact (e.g. as protection against splashes) protective gloves made from butyl rubber are recommended according to EN 374.
material thickness > 0.7 mm
Perforation time > 60 minutes
In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, product compatibility, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. The information provided by the manufacturers and given in the relevant trade association regulations for industrial safety must always be observed. We recommend that a hand care plan is drawn up in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Eye protection:

Not needed.

Skin protection:

Suitable protective clothing

General protection and hygiene measures:

Avoid skin and eye contact.
Do not eat, drink or smoke while working.
Wash hands before work breaks and after finishing work.

Danish Code Number:

4-3 (1993)

9. Physical and chemical properties

General characteristics:

Appearance: liquid
high viscosity
colourless, clear

Odor: Odorless

Phys./chem. properties:

Flash point: 74 °C (165.2 °F)

Density: 1,10 g/cm³
()

Viscosity (dynamic): 100.000 - 150.000 mPa.s
(Brookfield; 23 °C (73.4 °F))

Explosion limit:
lower [vol%]: 1,4 % (V)
upper [vol%]: 50,0 % (V)

10. Stability and reactivity

Conditions to avoid:

Avoid moisture.

Materials to avoid:

None if used for intended purpose.

Hazardous decomposition products:

None known

11. Toxicological information

General toxicological information:

To the best of our knowledge no harmful effects are to be expected if the product is handled and used properly.
Persons suffering from allergic reactions to amines should avoid contact with the product.

Skin irritation:

Primary skin irritation: slightly irritating, does not require labeling

Eye irritation:

Primary eye irritation: slightly irritating, does not require labeling

Sensitizing:

May cause sensitization by skin contact.

12. Ecological information

Persistence and degradability:

Ultimate biodegradation:

The product is poorly biodegradable.
The product contains polymere components that are degradable to a large extent.

Ecotoxicity:

Hazardous components CAS-No.	Species	Exposure time	Value type	Value
N-(3-(Trimethoxysilyl)propyl)ethylenediamine 1760-24-3	Fathead minnow (Pimephales promelas)	96 h	LC 50	168 mg/l
N-(3-(Trimethoxysilyl)propyl)ethylenediamine 1760-24-3	Water flea (Daphnia magna)	48 h	EC 50	87,4 mg/l

General ecological information:

Do not empty into drains, soil or bodies of water.

13. Disposal considerations

Product disposal:

Dispose of waste and residues in accordance with local authority requirements.

Small amounts of cured or dried product residues can be disposed of as household waste or as industrial waste similar to household waste.

The valid EEC waste code numbers are not product-related but are largely source-related. These can be requested from the manufacturer.

Disposal of uncleaned packages:

Only well-emptied containers with dried or cured product residues and without solvent vapors can be recycled.

14. Transport information

Road transport ADR:

Not dangerous goods

Railroad transport RID:

Not dangerous goods

Inland water transport ADN:

Not dangerous goods

Marine transport IMDG:

Not dangerous goods

Air transport IATA:

Not dangerous goods

15. Regulations - classification and identification

Safety phrases:

S2 Keep out of the reach of children.

Contains N-(3-(Trimethoxysilyl)propyl)ethylenediamine. May produce an allergic reaction.

National regulations/information (Denmark):

Danish Code Number:

4-3 (1993)

16. Other information

The labelling of the product is indicated in Section 15. The full text of the R-phrases indicated by codes in this safety data sheet are as follows:

R10 Flammable.

R11 Highly flammable.

R20 Harmful by inhalation.

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R36/38 Irritating to eyes and skin.

R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

R41 Risk of serious damage to eyes.

R43 May cause sensitisation by skin contact.

Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.