

**Flex 310 M, Two-component, fast curing, hardener**

7619-0268

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

Flex 310 M, Two-component, fast curing, hardener

Further trade names

133052

Chemical characterization (Mixture)

Non-hazardous preparation.

1-Component Adhesives and Sealants.

(Permanently elastic)

Details of the supplier of the safety data sheet

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SECTION 2: Hazards identification**Route(s) of Entry**

Skin and eye contact, inhalation and ingestion.

Signs and Symptoms of Exposure

OSHA Hazard Communication: This material is not considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.

Carcinogenicity (NTP): Not listed

Carcinogenicity (IARC): Not listed

Carcinogenicity (OSHA): Not listed

SECTION 3: Composition/information on ingredients**Mixtures****Hazardous components**

CAS No.	Components	Quantity
2768-02-7	Trimethoxyvinylsilane	1 - 19.9 %
22673-19-4	Dibutylbis(pentan-2,4-dionato-O,O') tin	0.1 - 1 %
52829-07-9	Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	0.1 - 1 %

Further Information

Although this product does not require a hazard warning label, we recommend that the safety advice should be observed.

SECTION 4: First aid measures**Description of first aid measures****General information**

Remove contaminated soaked clothing immediately.

After inhalation

Move victim to fresh air.

In the event of symptoms refer for medical treatment.

After contact with skin

Take away immediately by mechanical means.

Dab affected skin area with a cotton ball or cellulose and wash afterwards with plenty of water and a mild cleaner .

Consult a doctor if skin irritation persists.



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After contact with eyes

In case of contact with eyes rinse thoroughly with water.

If eye irritation persists, consult a specialist.

After ingestion

Do not induce vomiting.

If swallowed by mistake drink plenty of water and seek medical treatment.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam. Dry powder . Carbon dioxide

Special hazards arising from the substance or mixture

Fire may produce:

Carbon monoxide and carbon dioxide.

Nitrogen gases (NOx)

Advice for firefighters

Use breathing apparatus with independent air supply.

Additional information

Cool endangered areas with water spray.

Collect contaminated firefighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing.

Ensure adequate ventilation.

Environmental precautions

Do not discharge into the drains or bodies of water.

Do not discharge into the subsoil/soil.

Methods and material for containment and cleaning up

Take up mechanically and send for disposal.

Shovel into suitable container for disposal.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling

Ensure adequate ventilation.

Avoid contact with skin, eyes and clothing.

Advice on protection against fire and explosion

Pay attention to general rules of internal fire prevention.

Further information on handling

Ensure adequate room ventilation, if necessary ensure local exhaust at workplace.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store container at cool and aired place.

Protect from atmospheric moisture and water.

Advice on storage compatibility

Do not store together with food.

Further information on storage conditions

Store in a dry place.

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure controls



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Occupational exposure controls

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

Avoid contact with eyes and skin.
 Wash hands before breaks and immediately after handling the product.
 When using, do not eat, drink or smoke.
 Remove and wash contaminated clothes before re-use.

Respiratory protection

Not required under normal use.
 If ventilation insufficient, wear respiratory protection.

Hand protection

Protective gloves resistant to chemicals made of butyl, Minimum coat thickness 0,7 mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Butoject 898> made by www.kcl.de.
 Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Eye protection

Safety goggles

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Form: Pasty
 Color: Various
 Odor: Almost odourless

Test method

Changes in the physical state

Flash point:		n.a.
Lower explosion limits:		n.d.
Upper explosion limits:		n.d.
Density (at 20 °C):	approx. 1,7 g/cm ³	
Water solubility: (at 20 °C)		Insoluble

SECTION 10: Stability and reactivity

Stability: Stable
 Possibility of Hazardous Reactions: Will not occur

Incompatible materials

No hazardous reactions known.

Hazardous decomposition products

Carbon monoxide and carbon dioxide.
 Nitrous gases

Further information

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

Information on toxicological effects

Irritation and corrosivity

Frequent persistent contact with the skin may cause skin irritation.

Additional information on tests

The product contains:
 3-(2'-Aminoethylamino)-propyl trimethoxysilane
 Allergic reactions possible (analogy-reasons).

Empirical data on effects on humans

If appropriately handled and if in accordance with the general hygienic rules, no damages to health have become known.
 Other dangerous properties may not be excluded.



SECTION 12: Ecological information

Further information

Do not discharge product unmonitored into the environment.

Product is not allowed to discharge into aquatic environment, drains or sewage treatment plants.

SECTION 13: Disposal considerations

Waste treatment methods

Advice on disposal

Remove in accordance with local official regulations.

If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

SECTION 14: Transport information

US DOT 49 CFR 172.101

Proper shipping name

Not regulated.

Land transport (ADR/RID)

UN proper shipping name:

Non hazardous material as defined by the transport regulations.

Other applicable information

Non hazardous material as defined by the transport regulations.

SECTION 15: Regulatory information

U.S. Regulations

National Inventory TSCA

All of the components are listed on the TSCA inventory.

SARA

To the best of our knowledge this product contains no toxic chemicals subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372.

SECTION 16: Other information

Hazardous Materials Information Label (HMIS)

Health: 1

Flammability: 0

Physical Hazard: 0

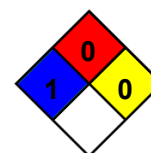
NFPA Hazard Ratings

Health: 1

Flammability: 0

Reactivity: 0

Unique Hazard:



Other data

Data of sections 4 to 8, as well as 10 to 12, do not necessarily refer to the use and the regular handling of the product (in this sense consult package leaflet and expert information), but to release of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)