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### 3 Composition/information on ingredients

- **3.2 Chemical characterization: Mixtures**
- **Description:** Silane-terminated, hydrocarbon-based polymer with inorganic fillers

- **Dangerous components:**

CAS: 28553-12-0 EINECS: 249-079-5	di-"isononyl" phthalate substance with a Community workplace exposure limit	30- <50%
CAS: 13822-56-5 EINECS: 237-511-5	3-(trimethoxysilyl)propylamine ☒ Xi R36/38 ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	1- <5%
CAS: 2768-02-7 EINECS: 220-449-8	trimethoxyvinylsilane ☒ Xn R20 ⚠ Acute Tox. 4, H332	1- <5%

- **Additional information:**

While curing the following substances are formed and released by a reaction with atmospheric humidity:

Methanol (CAS 67-56-1)

For the wording of the listed risk phrases refer to section 16.

### 4 First aid measures

- **4.1 Description of first aid measures**
- **General information:** Take affected persons out into the fresh air.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Remove from the skin using a cloth or paper. Then clean with water and soap.  
If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
Do not induce vomiting; call for medical help immediately.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Information for doctor:** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
Use fire extinguishing methods suitable to surrounding conditions.  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture**  
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

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## 6 Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

- **6.2 Environmental precautions:**

No special measures required.

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

- **6.3 Methods and material for containment and cleaning up:**

Ensure adequate ventilation.

Pick up mechanically.

Dispose of the material collected according to regulations.

- **6.4 Reference to other sections**

By a reaction with atmospheric humidity by-products are released. See chapter 8.

## 7 Handling and storage

- **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.

- **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:** No special requirements.

- **Information about storage in one common storage facility:** Not required.

- **Further information about storage conditions:**

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

- **7.3 Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **8.1 Control parameters**

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

**28553-12-0 di-"isononyl" phthalate**

WEL | Long-term value: 5 mg/m<sup>3</sup>

- **Additional Occupational Exposure Limit Values for possible hazards during processing:**

While curing the following substances are formed and released by a reaction with atmospheric humidity:

Methanol (CAS 67-56-1)

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

- **8.2 Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

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Do not eat, drink, smoke or sniff while working.

- **Respiratory protection:**

Not necessary if room is well-ventilated.

Use suitable respiratory protective device in case of insufficient ventilation.

Filter AX

- **Protection of hands:**



Protective gloves

- **Material of gloves** Nitrile rubber, NBR

- **Penetration time of glove material** Not applicable.

- **Eye protection:** Safety glasses

- **Body protection:** Protective work clothing

## 9 Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:	Pasty
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Colour:	According to product specification
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· Odour:	Alcohol-like
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- **Change in condition**

Melting point/Melting range:	Undetermined.
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Boiling point/Boiling range:	Not applicable.
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· Flash point:	> 151°C
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· Self-igniting:	Product is not selfigniting.
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· Danger of explosion:	Product does not present an explosion hazard.
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· Density at 20°C:	1.04 g/cm <sup>3</sup>
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- **Solubility in / Miscibility with**

water:	Not miscible or difficult to mix.
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- **Viscosity:**

Kinematic:	Not determined.
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- **Solvent content:**

VOC (EU)	0.3 g/l
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VOC (EC)	0.03 %
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- **9.2 Other information** No further relevant information available.

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## 10 Stability and reactivity

- **10.1 Reactivity**
- **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:**  
None if stored according to specifications.  
Beginning at approx. 150 °C small amounts of formaldehyde are formed by an oxidative decomposition.

## 11 Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.  
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

## 12 Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **Other information:** The product is not biodegradable.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Not cured product may not be disposed off together with household waste and may not reach sewage system. To dispose off open product containers and let them stand at open air until the reaction is finished totally (means there is no more smell). After that, waste can be disposed off as the cured product.

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Cured product can be deposited together with domestic waste. Observe the specific related regulations of local authorities.

**· European waste catalogue**

08 04 09*	waste adhesives and sealants containing organic solvents or other dangerous substances
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09

**· Uncleaned packaging:****· Recommendation:**

Empty packages totally (without drops or grains, cleaned with a spatula). Under observation of the relevant local respectively national regulations re-use or recycling is preferred.

**14 Transport information****· 14.1 UN-Number**

**· ADR, ADN, IMDG, IATA** Void

**· 14.2 UN proper shipping name**

**· ADR, 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 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**15 Regulatory information****· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****· National regulations:**

**· Additional classification according to Decree on Hazardous Materials, Annex II:**  
No further relevant information available.

**· Information about limitation of use:** No further relevant information available.

**· Other regulations, limitations and prohibitive regulations**

**· Substances of very high concern (SVHC) according to REACH, Article 57** Not applicable.

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

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## 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

- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- R20 Harmful by inhalation.
- R36/38 Irritating to eyes and skin.

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