



## 1. Identification

Product name : Duroseal MK Montagekleber

Supplier : Sika Corporation

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Recommended use of the chemical and restrictions on use : For further information, refer to the product technical data sheet.

## 2. Hazards identification

### GHS Classification

Skin sensitization , Category 1 H317: May cause an allergic skin reaction.

### GHS Label element

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H317 May cause an allergic skin reaction.

Precautionary Statements : **Prevention:**  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves.  
**Response:**  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P363 Wash contaminated clothing before reuse.  
**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.



See Section 11 for more detailed information on health effects and symptoms.

### 3. Composition/information on ingredients

#### Hazardous ingredients

Chemical Name	CAS-No.	Concentration (%)
trimethoxyvinylsilane	2768-02-7	$\geq 2 - < 5$ %
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	41556-26-7	$\geq 0 - < 1$ %
3-aminopropyltriethoxysilane	919-30-2	$\geq 0 - < 1$ %
N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine	3069-29-2	$\geq 0 - < 1$ %

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

### 4. First aid measures

If inhaled	: Move to fresh air. Consult a physician after significant exposure.
In case of skin contact	: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.
In case of eye contact	: Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	: Clean mouth with water and drink afterwards plenty of water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Obtain medical attention.
Most important symptoms and effects, both acute and delayed	: sensitizing effects  Allergic reactions See Section 11 for more detailed information on health effects and symptoms.
Protection of first-aiders	: Move out of dangerous area. Consult a physician. Show this material safety data sheet to the doctor in attendance.
Notes to physician	: Treat symptomatically.

### 5. Fire-fighting measures



- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Specific extinguishing methods : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.

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#### 6. Accidental release measures

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment. Deny access to unprotected persons.
- Environmental precautions : Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

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#### 7. Handling and storage

- Advice on safe handling : Do not breathe vapors or spray mist. Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8. Persons with a history of skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating and drinking should be prohibited in the application area. Follow standard hygiene measures when handling chemical products.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place. Store in accordance with local regulations.
- Materials to avoid : no data available

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#### 8. Exposure controls/personal protection

Contains no substances with occupational exposure limit values.

- Engineering measures** : Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use



process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

**Personal protective equipment**

- Respiratory protection** : Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.
- The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.
- Hand protection**  
**Remarks** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Eye protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.
- Skin and body protection** : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
- Hygiene measures** : Avoid contact with skin, eyes and clothing.  
Wash hands before breaks and immediately after handling the product.  
Remove contaminated clothing and protective equipment before entering eating areas.  
Wash thoroughly after handling.

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**9. Physical and chemical properties**

- Appearance** : paste
- Color** : various
- Odor** : characteristic
- Odor Threshold** : no data available
- Flash point** : > 214 °F (> 101 °C)
- Ignition temperature** : not applicable
- Decomposition temperature** : no data available
- Lower explosion limit (Vol%)** : no data available
- Upper explosion limit (Vol%)** : no data available



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Flammability (solid, gas)	: no data available
Oxidizing properties	: no data available
Autoignition temperature	: no data available
pH	: Note: not determined
Melting point/range / Freezing point	: no data available
Boiling point/boiling range	: ca. 518 °F (270 °C)
Vapor pressure	: no data available
Density	: ca. 1.5 g/cm <sup>3</sup> at 68 °F (20 °C)
Water solubility	: Note: partly miscible
Partition coefficient: n- octanol/water	: no data available
Viscosity, dynamic	: Note: not determined
Viscosity, kinematic	: > 20.5 mm <sup>2</sup> /s at 104 °F (40 °C)
Relative vapor density	: no data available
Evaporation rate	: no data available
Burning rate	: no data available
Volatile organic compounds (VOC) content	: 29.6 g/l

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## 10. Stability and reactivity

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: The product is chemically stable.
Possibility of hazardous reactions	: Stable under recommended storage conditions.
Conditions to avoid	: no data available
Incompatible materials	: no data available

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## 11. Toxicological information

### Acute toxicity

#### Product

Acute oral toxicity	: no data available
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Acute inhalation toxicity : no data available

Acute dermal toxicity : no data available

**Ingredients:**

**trimethoxyvinylsilane :**

Acute oral toxicity : LD50 Oral rat: ca. 7,120 mg/kg

Acute inhalation toxicity : LC50 : 16.8 mg/l  
Exposure time: 4 h

Acute dermal toxicity : LD50 : 3,540 mg/kg

**Skin corrosion/irritation**

**Product**

no data available

**Serious eye damage/eye irritation**

**Product**

no data available

**Respiratory or skin sensitization**

**Product**

May cause an allergic skin reaction.

**Germ cell mutagenicity**

**Product**

Mutagenicity : no data available

**Carcinogenicity**

**Product**

Carcinogenicity : no data available

IARC not applicable

NTP not applicable

**Reproductive Toxicity/Fertility**

**Product**

Reproductive toxicity : no data available

**Reproductive Toxicity/Development/Teratogenicity**

**Product**

Teratogenicity : no data available



**STOT-single exposure**

**Product**

Assessment: no data available

**STOT-repeated exposure**

Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Product**

Assessment: no data available

**Aspiration toxicity**

**Product**

no data available

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**12. Ecological information**

Other information

Do not empty into drains; dispose of this material and its container in a safe way.  
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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**13. Disposal considerations**

**Disposal methods**

Waste from residues

: Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Contaminated packaging

: Empty containers should be taken to an approved waste handling site for recycling or disposal.

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**14. Transport information**

**DOT**

Not dangerous goods

**IATA**

Not dangerous goods

**IMDG**

Not dangerous goods

**Special precautions for user**

no data available



**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
not applicable

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## 15. Regulatory information

**TSCA list** : All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

### **EPCRA - Emergency Planning and Community Right-to-Know**

#### **CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

#### **SARA304 Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Chronic Health Hazard  
Acute Health Hazard

**SARA 302** : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### **Clean Air Act**

#### **Ozone-Depletion Potential**

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

#### **California Prop 65**

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

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## 16. Other information



**HMIS Classification**

<b>Health</b>	*	2
<b>Flammability</b>		1
<b>Physical Hazard</b>		0
<b>Personal Protection</b>		X

**Caution:** HMIS® rating is based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® rating is not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® rating is to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). Please note HMIS® attempts to convey full health warning information to all employees.

**Notes to Reader**

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