

Printing date 22.10.2012

Revision: 22.10.2012

Product identifier	
Trade name: HADALAN TX 57DD	
Article number: 50340 A Relevant identified uses of the substance or mixture and uses ad Application of the substance / the preparation Thickener for rea	
• Details of the supplier of the safety data sheet • Manufacturer/Supplier: Heinrich Hahne GmbH & Co. KG Heinrich-Hahne-Weg 11 45711 Datteln	Tel.:02363/5663-
• Further information obtainable from: Abteilung: Produktsicherheit Tel.: 02363 5663-0 EMail: info@hahne-bautenschutz.de • Emergency telephone number: Giftinformationszentrum Nord (GIZ Nord) Universität Göttingen, Tel.: 0551-19240	
· Classification of the substance or mixture	
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· Description of first aid measures

· General information: No special measures required.

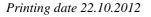
• After inhalation: Supply fresh air; consult doctor in case of complaints.

• After skin contact: Immediately wash with water and soap and rinse thoroughly.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

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- After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately.
- Information for doctor:
- · Most important symptoms and effects, both acute and delayed No further relevant information available.
- · Indication of any immediate medical attention and special treatment needed
- No further relevant information available.

5 Firefighting measures

- · Extinguishing media
- · Suitable extinguishing agents:
- CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture No further relevant information available.
- Advice for firefighters Use fire extinguishing methods suitable to surrounding conditions.
- · Additional information

Dry powdered materials can become charged by friction are electrical. Suitable precautions should be taken if the material is used in the presence of flammable or explosive gases / liquids.

6 Accidental release measures

- *Personal precautions, protective equipment and emergency procedures* Wear safety glasses, when a release creates conditions where eye contact is likely. When creating the work dust, an approved respirator for dusts is strongly discouraged.
- · Environmental precautions: Nicht in die Kanalisation und Gewässer gelangen lassen.
- · Methods and material for containment and cleaning up: Pick up mechanically.
- Reference to other sections
- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

7 Handling and storage

- · Handling:
- · Precautions for safe handling
- The usual precautionary measures for handling chemicals should be observed.
- Avoid eye and skin contact. Avoid generating dust. Do not breathe dust.
- · Information about fire and explosion protection: Take measures to prevent electrostatic charging.
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: Only store in original, unopen containers.
- · Information about storage in one common storage facility:
- Product should be stored away from volatile chemicals.
- Further information about storage conditions: Store in dry conditions.
- \cdot 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.

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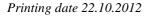


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7(21.0(0.11) 11 1	nat require monitoring at the workplace:
/031-80-9 silicon dioxide, cher	nically prepared (100%)
MAK 4 E mg/m ³	
16; Y; DFG	
Additional information: The lis	sts valid during the making were used as basis.
Exposure controls	
Personal protective equipment:	
General protective and hygieni	
	res are to be adhered to when handling chemicals.
Respiratory protection: Not required.	
Take in case of dust formation a	dust mask.
The work area should, if necess	
Protection of hands:	
	ppermeable and resistant to the product/ the substance/ the preparation. ial on consideration of the penetration times, rates of diffusion and the
Material of gloves	
and varies from manufacturer	oves does not only depend on the material, but also on further marks of quality to manufacturer. As the product is a preparation of several substances, the can not be calculated in advance and has therefore to be checked prior to the
application.	
	e from rubber, nitrile rubber, butyl rubber.
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The exact break trough time he observed. Eye protection: Take in case of Body protection: Protective clo Physical and chemical pro Information on basic physical General Information Appearance: Form: Colour: Odour: Odour: Odour threshold: pH-value (100 g/l) at 20°C: Change in condition	as to be found out by the manufacturer of the protective gloves and has to be ⁵ dust formation protective goggles. thing. operties and chemical properties Powder White Odourless Not determined. 4-6
The exact break trough time he observed. Eye protection: Take in case of Body protection: Protective clo Physical and chemical pro Information on basic physical General Information Appearance: Form: Colour: Odour: Odour threshold: pH-value (100 g/l) at 20°C:	as to be found out by the manufacturer of the protective gloves and has to be ⁵ dust formation protective goggles. ⁶ thing. ⁷ operties and chemical properties Powder White Odourless Not determined. 4-6 : 1700°C
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Danger of explosion:	Product does not present an explosion hazard.	
Density at 20°C:	2.2 g/cm ³	
Relative density	Not determined.	
Solubility in / Miscibility with		
water:	Insoluble.	
Other information	No further relevant information available.	

10 Stability and reactivity

· Reactivity

- · Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products:

Thermal decomposition is highly dependent on conditions. It forms a complex mixture of liquid and gases in the air, carbon monoxide and carbon dioxide, among other things, and other organic compounds, or when this material is degraded thermally or oxidatively.

11 Toxicological information

· Information on toxicological effects

· Acute toxicity:

· LD/LC50 values relevant for classification:

7631-86-9 silicon dioxide, chemically prepared

Oral | LD50 | 10000 mg/kg (rat)

- · Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: No irritating effect.
- · Sensitization: No sensitizing effects known.
- Other information (about experimental toxicology):

Bei sachgemäßem Umgang und bestimmungsgemäßer Verwendung verursacht das Produkt nach unseren Erfahrungen und den uns vorliegenden Informationen keine gesundheitsschädlichen Wirkungen. Der Stoff ist nicht kennzeichnungspflichtig aufgrund der EG-Listen in der letztgültigen Fassung.

• 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.

• *Repeated dose toxicity* Silicosis or other product-specific respiratory diseases were not detected when handling the product.

12 Ecological information

· Toxicity

- Aquatic toxicity: No further relevant information available.
- \cdot Persistence and degradability

The product can by abiotic processes, e.g. Adsorption on activated sludge, are largely eliminated from the water.

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- · Behaviour in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- *Mobility in soil* No further relevant information available.
- · Additional ecological information:
- · General notes: Generally not hazardous for water
- · Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- · Other adverse effects No further relevant information available.

13 Disposal considerations

- · Waste treatment methods
- · Recommendation Smaller quantities can be disposed of with household waste.

 \cdot European waste catalogue

17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03

· Uncleaned packaging:

· Recommendation: Disposal must be made according to official regulations.

UN-Number		
ADR, ADN, IMDG, IATA	Void	
UN proper shipping name		
ADR, ADN, IMDG, IATA	Void	
• Transport hazard class(es)		
ADR, ADN, IMDG, IATA		
· Class	Void	
Packing group		
ADR, IMDG, IATA	Void	
Special precautions for user	Not applicable.	

15 Regulatory information

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

- · National regulations:
- Waterhazard class: Generally not hazardous for water.
- · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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.

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Bautenschutz Systeme

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· Abbreviations and acronyms:

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent