

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

- **1.1 Product identifier**
- **Trade name:** *HADALAN DQ0308 89M*
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** *Decorative quartz for decorative surface design*
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
*Heinrich Hahne GmbH & Co. KG
Heinrich-Hahne-Weg 11
45711 Datteln*
- Tel.: 02363/5663-0*
- **Further information obtainable from:**
*Abteilung: Produktsicherheit
Tel.: 02363 5663-0
EMail: info@hahne-bautenschutz.de*
- **1.4 Emergency telephone number:**
*Giftinformationszentrum Nord (GIZ Nord) Universität Göttingen,
Tel.: 0551-19240*

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
The product is not classified according to the CLP regulation.
- **Additional information:**
*Depending on the handling and processing of the product, airborne respirable crystalline silica is possible. Long Prolonged and / or massive inhalation of respirable crystalline silica can cause silicosis disease (silicosis).
Principal symptoms of silicosis are cough and breathing problems / wheezing. For exposure in dusty atmosphere monitoring / control to comply with the country-specific limit values laid down is necessary (see appendix).*
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- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** *Void*
- **Hazard pictograms** *Void*
- **Signal word** *Void*
- **Hazard statements** *Void*
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** *Quartz sand / quartz sand crushed basalt mixture*
- **Dangerous components:** *Void*

SECTION 4: First aid measures

- **4.1 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:** *No special actions required.*

Trade name: HADALAN DQ0308 89M

(Contd. of page 1)

- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Not poisonous.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** not applicable, product is not flammable
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:** No special measures required.
- **6.3 Methods and material for containment and cleaning up:** Pick up mechanically.
- **6.4 Reference to other sections** No dangerous substances are released.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special measures required.
- **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:** Store dry.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 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:**

14808-60-7 Quartz (SiO₂) (50-100%)

WEL	0.15 A mg / m ³
	24; Y; DFG

- **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.
- **Respiratory protection:**
If the permitted exposure limits in the workplace is a respirator in accordance with European and national regulations as EN bear 149th

(Contd. on page 3)

Trade name: HADALAN DQ0308 89M

(Contd. of page 2)

- **Protection of hands:**
People who suffer from dermatitis or have sensitive skin, appropriate protective measures (ie. Gloves wear, barrier cream). After No special requirements. For hands - see below. People who suffer from dermatitis or have sensitive skin, appropriate protective measures (eg. As protective clothing, barrier cream).
- **Material of gloves** Protective gloves, protective cream
- **Penetration time of glove material** Not mandatory.
- **Eye protection:** bear in areas with a risk of eye injuries protective goggles according to EN 166th

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Solid
Colour:	according to product
- **Odour:** odorless
- **Change in condition**

Melting point/Melting range:	1713 °C
Boiling point/Boiling range:	> 999 °C
- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Product is not flammable.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Vapour pressure:** Not applicable.
- **Density at 20 °C:** 2.2-2.6 g/cm³
- **Bulk density at 20 °C:** 1400 kg/m³
- **Solubility in / Miscibility with water:** Insoluble.
- **Solvent content:**

Solids content:	100.0 %
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- **9.2 Other information** No further relevant information available.

SECTION 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:** No dangerous decomposition products known.

SECTION 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.

(Contd. on page 4)

Trade name: HADALAN DQ0308 89M

(Contd. of page 3)

- **Sensitisation:** No sensitising effects known.
- **Additional toxicological information:**
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.
The substance is not subject to classification according to the latest version of the EU lists.
- **Repeated dose toxicity**
The longer-term inhalation of respirable crystalline silica (quartz).
Prolonged and / or massive exposure to dust containing respirable crystalline silica, can cause silicosis. In this disease there is a nodular pulmonary fibrosis caused by inhalation and deposition of mineral dust. In 1997, the International Society for Research on Cancer (International Agency for Research on Cancer / IARC) concluded that occupational exposure to crystalline silica can cause lung cancer in humans. However, the IARC stated limitation that this still applies all types crystalline silica neither for all forms of exposure. (IARC Monographs on the evaluation of carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibers, 1997, Volume 68, IARC, Lyon, France.) In June 2003, the EU Scientific Committee came for Occupational Exposure Limits to Chemical Agents (SCOEL) concluded that the main effect of inhaling silica dust respirable crystalline human silicosis. "There are sufficient information to conclude before that an increased relative risk of lung cancer for people who are suffering from silicosis. In quarries or in the ceramic industry employed persons exposed to silica dust, but are not suffering from silicosis, are obviously of this increased risk of lung cancer is not affected. Therefore it can be assumed that the onset of silicosis will also reduce the cancer risk ... "(SCOEL SUM Doc 1994-final, June 2003). so there are numerous indications that increased cancer risk would be limited to people is, who are already suffering from silicosis. worker protection against silicosis should by respecting the existing regulatory occupational exposure limit values and if necessary be ensured by implementing additional risk management measures.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Generally not hazardous for water
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **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
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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR, ADN, IMDG, IATA** Void

(Contd. on page 5)

Trade name: HADALAN DQ0308 89M

(Contd. of page 4)

· 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:	Not applicable.
· 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.
· Transport/Additional information:	No hazardous material according to transport regulations.
· UN "Model Regulation":	-

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:**
- **Waterhazard class:** Generally not hazardous for water.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 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.

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

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 Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)