



## 1 Identification

### Product identifier

**Trade name:** **DOLO 10**

**Application of the substance / the mixture** Raw material

### Details of the supplier of the safety data sheet

**Manufacturer/Supplier:** RHI Magnesita GmbH  
Kranichberggasse 6  
1120 Vienna  
Austria  
T +43 50213 0  
rhimagnesita.com

**Information department:** msds@rhimagnesita.com  
T +43 502 13 5426  
msds@rhimagnesita.com  
T +43 502 13 5426  
Compliance Department: 717-793-5463

**Emergency telephone number:** RHI Magnesita: +43 50213 5426

Chemtrec: 800-424-9300  
Magnesita: 717-793-5463

## 2 Hazard(s) identification

### Classification of the substance or mixture



GHS08 Health hazard

Carcinogenicity 1A H350 May cause cancer.

(Additional information for shaped products: The cancer risk occurs only in the presence of dust)

### Label elements

#### GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

#### Hazard pictograms



GHS08

#### Signal word

Danger

#### Hazard-determining components of labeling:

#### Hazard statements

quartz (SiO<sub>2</sub>)

H350 May cause cancer.

(Additional information for shaped products: The cancer risk occurs only in the presence of dust)

#### Precautionary statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

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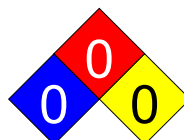
**Additional information:**

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P308+P313 IF exposed or concerned: Get medical advice/attention.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Respirators should be used if dust / fume is present.  
 A respiratory protection program should be implemented if exposure exceeds the American Conference of Governmental Industrial Hygienists (ACGIH) defined Time Weighted Average (TWA)

**Harzard description**

Do not breathe dust.  
 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 Wear suitable protective clothing, gloves and eye/face protection.  
 In case of accident or if you feel unwell, seek medical advice immediately.  
 If swallowed, seek medical advice immediately and show this container or label.  
 In case of accident by inhalation: remove casualty to fresh air and keep at rest  
 If swallowed, rinse mouth with water (only if the person is conscious)

**Classification system****NFPA ratings (scale 0-4)**

Health = 0  
 Fire = 0  
 Reactivity = 0

**HMS Classification**

Health = \*0  
 Fire = 0  
 Reactivity = 0

**Carcinogenicity:**

not listed

**Other hazards**

The product contains substances for which occupational exposure limits exist. It is therefore imperative that the information in Section 8 is also taken into account.

See section 11.

### 3 Composition/information on ingredients

**Chemical characterization: Mixtures**

**Description:** Raw material  
**Components:**

CAS: 16389-88-1 dolomite 60-100%

**Dangerous components:**

CAS: 14808-60-7 quartz (SiO<sub>2</sub>) 0.1-1%  
⚠ Carcinogenicity 1A, H350

**Additional information**

In order to avoid dust during installation, the technical possibilities available at the site should be used. Please observe the instructions for personal protective equipment given in section 8.

### 4 First-aid measures

**Description of first aid measures**

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

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<b>After skin contact</b>	Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice.
<b>After eye contact</b>	Rinse opened eye for several minutes under running water. Then consult a doctor.
<b>After swallowing</b>	If symptoms persist consult doctor.
<b>Information for doctor / Note to physicians</b>	
<b>Most important symptoms and effects, both acute and delayed:</b>	No further relevant information available.
<b>Indication of any immediate medical attention and special treatment needed:</b>	No further relevant information available.

### \* 5 Fire-fighting measures

<b>Extinguishing media</b>	
<b>For safety reasons unsuitable extinguishing agents</b>	Not applicable, the product is fire resistant.
<b>Special hazards arising from the substance or mixture</b>	No further relevant information available.
<b>Advice for firefighters</b>	
<b>Protective equipment / Protection of firefighters:</b>	No special measures required.
<b>Hazardous combustion products</b>	Will not occur.
<b>Flammable properties</b>	The product is fire resistant. Not flammable.
<b>Additional information:</b>	Additional information see section 9.

### \* 6 Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	See section 8.
<b>Environmental precautions:</b>	See section 12.
<b>Methods and material for containment and cleaning up:</b>	Pick up mechanically.
<b>Reference to other sections</b>	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.
<b>Protective Action Criteria for Chemicals</b>	
<b>PAC-1:</b>	
CAS: 14808-60-7 quartz (SiO <sub>2</sub> ): 0.075 mg/m <sup>3</sup>	
<b>PAC-2:</b>	
CAS: 14808-60-7 quartz (SiO <sub>2</sub> ): 33 mg/m <sup>3</sup>	
<b>PAC-3:</b>	
CAS: 14808-60-7 quartz (SiO <sub>2</sub> ): 200 mg/m <sup>3</sup>	

### \* 7 Handling and storage

<b>Handling</b>	
<b>Precautions for safe handling</b>	Avoid inhalation or ingestion and contact with skin and eyes. General occupational hygiene measures are required to ensure safe handling of the substance. These measures involve good personal and housekeeping practices (i.e. regular cleaning with suitable cleaning devices), no drinking, eating and smoking at the workplace. Shower and change clothes at end of

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work shift. Do not wear contaminated clothing at home.

Workers must be informed of the presence of crystalline silica and trained in the proper use and handling of this product as required under applicable regulations

### Information about protection against explosions and fires:

The product is not flammable.

### 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 applicable.

Further information about storage conditions:

None.

#### Specific end use(s)

No further relevant information available.

## 8 Exposure controls/personal protection

### Additional information about design of technical systems:

No further data; see item 7.

### Control parameters

#### Exposure Guidelines (Components with limit values that require monitoring at the workplace):

#### CAS: 14808-60-7 quartz (SiO<sub>2</sub>) (0.1-1%)

PEL Long-term value: 0.05\* mg/m<sup>3</sup>

\*resp. dust; 30mg/m<sup>3</sup>/%SiO<sub>2</sub>+2

REL Long-term value: 0.05\* mg/m<sup>3</sup>

\*respirable dust; See Pocket Guide App. A

TLV Long-term value: 0.025\* mg/m<sup>3</sup>

\*respirable particulate matter, A2

#### Additional information:

The lists that were valid during the creation were used as basis.

### Exposure controls

#### Personal protective equipment (PPE)

General protective and hygienic measures

Wash hands before breaks and at the end of work.

Respiratory protection / Breathing equipment:

NIOSH approved respirators should be used if dust is present. A respiratory protection program should be implemented if exposure exceeds OSHA PELs. Use suitable respiratory protective device when high concentrations are present during cutting, grinding, mixing and sanding

#### Respiratory protection



Filter P100

#### Protection of hands:



Protective gloves.

#### Eye/face protection:



Safety glasses with side shields

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Skin protection:

Protective work clothing.

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## \* 9 Physical and chemical properties

### Information on basic physical and chemical properties

#### General Information

##### Appearance:

Form (Physical state):	Solid
Color:	Dark
Odor:	Odorless
Odor threshold:	Not determined.

pH-value: Not applicable.

Melting point / Melting range: Not determined.  
Not applicable.

Flash point: Not applicable.

Flammability (solid, gaseous) Product is not flammable.  
See section 5.

Ignition temperature: Not applicable.

Decomposition temperature: Not applicable.  
Not determined.

Auto igniting: Product is not self igniting.  
Not determined.

Danger of explosion: Product does not present an explosion hazard.

#### Explosion limits:

Lower: Not applicable.  
Upper: Not applicable.

#### Vapor pressure:

Relative density: Not applicable.  
Not applicable.  
Not determined.  
Vapor density: Not applicable.  
Evaporation rate: Not applicable.  
Not applicable.

#### Solubility in / Miscibility with

Water: Not applicable.  
Soluble

Partition coefficient (n-octanol/water): Not applicable.  
Not determined.

#### Viscosity:

dynamic: Not applicable.  
kinematic: Not applicable.

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### Other information

**Additional information**

Melting Point: NA  
 Freezing Point: NA  
 Viscosity (and units): NA  
 Odor Threshold (ppm): NA  
 Evaporation Rate (relative to): NA  
 Vapor Density (air =1): NA  
 Vapor Pressure (units): NA  
 pH (undiluted): NA  
 pH (diluted): NA  
 % dilution: NA  
 VOC Content: NA  
 % Volatile: NA  
 PM Content: NA

## \* 10 Stability and reactivity

**Reactivity**

No further relevant information available.

**Chemical stability**
**Conditions to avoid (Thermal decomposition):**

No decomposition if used and stored 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:**

No dangerous decomposition products known

**Additional information:**

Refractories that contain silica in different forms may contain more or less crystalline silica after service life. Care must be taken to control dust during demolition. For proper protection find information in this document and ask the local EH&S responsible.

## \* 11 Toxicological information

**Information on toxicological effects**
**Acute toxicity:**
**LD/LC50 values that are relevant for classification:**

Not applicable.

**Primary irritant effect:**
**on the skin:**

No irritant effect.

**on the eye:**

No irritating effect.

**Allergic reaction:**

No known allergic reaction.

**Additional toxicological information:**

If this product has been in service at temperatures greater than 1000°C (1800°F) it may contain cristobalite, a form of crystalline silica. IARC has classified crystalline silica, which includes cristobalite, as a group I carcinogen (known human carcinogen).

**Carcinogenic categories**
**IARC (International Agency for Research on Cancer)**
CAS: 14808-60-7 quartz (SiO<sub>2</sub>): 1
**NTP (National Toxicology Program)**
CAS: 14808-60-7 quartz (SiO<sub>2</sub>): K
**OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

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### \* 12 Ecological information

**Toxicity**
**Aquatic toxicity:** No further relevant information available.

**Persistence and degradability** No further relevant information available.

**Behavior in environmental systems:**
**Bioaccumulative potential** No further relevant information available.

**Mobility in soil** No further relevant information available.

**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** Disposal must be made according to official regulations.

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

### \* 14 Transport information

**UN-Number**
**DOT, ADR, ADN, IMDG, IATA** not applicable

**UN proper shipping name**
**DOT, ADR, ADN, IMDG, IATA** not applicable

**Transport hazard class(es)**
**DOT, ADR, ADN, IMDG, IATA**  
**Class** not applicable

**Packing group**
**DOT, ADR, IMDG, IATA** not applicable

**Environmental hazards:** Not applicable.

**Special precautions for user** Not applicable.

**Hazard identification number (Kemler code):** Not applicable.

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

**Transport/Additional information:** Not dangerous according to available informations.

**UN "Model Regulation":** not applicable

### \* 15 Regulatory information

**Safety, health and environmental regulations/legislation specific for the substance or mixture**
**TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

**Hazardous Air Pollutants**

None of the ingredients is listed.

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**Proposition 65**
**Chemicals known to cause cancer:**
CAS: 14808-60-7 quartz (SiO<sub>2</sub>)
**Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

**Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

**Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

**Additional classification according to  
Decree on Hazardous Materials**

PRODUCT MAY CONTAIN CRYSTALLINE SILICA, an IARC and NTP listed cancer agent. Prolonged or repeated inhalation of dust from products containing crystalline silica can cause silicosis or cancer.

**Carcinogenity categories**
**EPA (Environmental Protection Agency)**

None of the ingredients is listed.

**TLV (Threshold Limit Value)**
CAS: 14808-60-7 quartz (SiO<sub>2</sub>): A2
**MAK (German Maximum Workplace Concentration)**
CAS: 14808-60-7 quartz (SiO<sub>2</sub>): 1
**NIOSH-Ca (National Institute for Occupational Safety and Health)**
CAS: 14808-60-7 quartz (SiO<sub>2</sub>)
**GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

**Hazard pictograms**


GHS08

**Signal word**

Danger

**Hazard-determining components of  
labeling:**
quartz (SiO<sub>2</sub>)
**Hazard statements**

H350 May cause cancer.

(Additional information for shaped products: The cancer risk occurs only in the presence of dust)

**Precautionary statements**

P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P308+P313 IF exposed or concerned: Get medical advice/attention.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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**National regulations:**
**SARA 313 TOXIC CHEMICALS**

No material listed in the components in Section 3 of this SDS is on the SARA 313 list.

**SARA 302 EXTREMELY HAZARDOUS SUBSTANCES**

No material listed in the components in Section 3 of this SDS is on the SARA 302 list.

**TSCA (Toxic Substances Control Act)**

This substance or all the ingredients of this product are on the Chemical Substances Inventory of the Toxic Substances Control Act (TSCA Inventory). The presence on this list does not require any legal reporting

**HMIS Classification**

Class D - Division2 - Subdivision B

Untested mixture containing a toxic material

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all information required by the CPR.

## \* 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.

**Department issuing SDS:**

 RHI Feuerfest GmbH Technology Center  
 Chemistry Department  
 Austria  
 T +43 502 13 5426  
 msds@rhimaginesita.com

**Contact:**

 for USA:  
 Brian Plaskett  
 EHS Manager  
 T: 519 318-5401  
 brian.plaskett@rhimaginesita.com

**ref.:**
**Date of preparation / last revision**

12/06/2022

**Abbreviations and acronyms:**

 ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 DOT: US Department of Transportation  
 IATA: International Air Transport Association  
 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)  
 NFPA: National Fire Protection Association (USA)  
 HMIS: Hazardous Materials Identification System (USA)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 NIOSH: National Institute for Occupational Safety  
 OSHA: Occupational Safety & Health  
 TLV: Threshold Limit Value  
 PEL: Permissible Exposure Limit  
 REL: Recommended Exposure Limit  
 Carcinogenicity 1A: Carcinogenicity – Category 1A

\* Data compared to the previous version altered.