# 1 Identification

**Product identifier**

**Trade name:** DOLO 20

**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**
The product is not classified, according to the Globally Harmonized System (GHS).

**Label elements**

<table>
<thead>
<tr>
<th>Label element</th>
<th>Rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHS label elements</td>
<td>0</td>
<td>not applicable</td>
</tr>
<tr>
<td>Hazard pictograms</td>
<td>0</td>
<td>not applicable</td>
</tr>
<tr>
<td>Signal word</td>
<td>0</td>
<td>not applicable</td>
</tr>
<tr>
<td>Hazard statements</td>
<td></td>
<td>Respirators should be used if dust / fume is present. A respiratory protection program should be implemented if exposure exceeds the American Conference of Govermantal Industrial Hygenists (ACGIH) defined Time Weighted Average (TWA)</td>
</tr>
</tbody>
</table>

**Additional information:**

A respiratory protection program should be implemented if exposure exceeds the American Conference of Governmental Industrial Hygienists (ACGIH) defined Time Weighted Average (TWA).

**Hazard 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

(Contd. on page 2)
Safety Data Sheet
acc. to OSHA HCS

Trade name: DOLO 20

HMIS 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 (SiO2) 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
General information: No special measures required.
After inhalation: Supply fresh air; consult doctor in case of complaints.
After skin contact: Generally the product does not irritate the skin.
After eye contact: Rinse opened eye for several minutes under running water.
After swallowing: If symptoms persist consult doctor.
Information for doctor / Note to physicians
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 Fire-fighting measures

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

Personal precautions, protective equipment and emergency procedures
See section 8.

Environmental precautions:
See section 12.

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.

Protective Action Criteria for Chemicals PAC-1:
CAS: 14808-60-7 quartz (SiO2): 0.075 mg/m³

PAC-2:
CAS: 14808-60-7 quartz (SiO2): 33 mg/m³

PAC-3:
CAS: 14808-60-7 quartz (SiO2): 200 mg/m³

7 Handling and storage

Handling
Precautions for safe handling
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 (SiO₂) (0.1-1%)**

PEL Long-term value: 0.05* mg/m³
*resp. dust; 30mg/m³/%SiO₂+2

REL Long-term value: 0.05* mg/m³
*respirable dust; See Pocket Guide App. A

TLV Long-term value: 0.025* mg/m³
*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**

The usual precautionary measures for handling chemicals should be followed.

**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

- **Skin protection:**
  - Protective work clothing.

### 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.
**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:**
- 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.

**Additional information:**
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:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

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 (SiO2): 1
NTP (National Toxicology Program)
CAS: 14808-60-7 quartz (SiO2): K
OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

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
55.2.4 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  
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.

Proposition 65
Chemicals known to cause cancer:
CAS: 14808-60-7 quartz (SiO2)

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.

Cancerogenity categories
EPA (Environmental Protection Agency)
None of the ingredients is listed.

TLV (Environmental Protection Agency)
CAS: 14808-60-7 quartz (SiO2): A2  
MAK (German Maximum Workplace Concentration)
CAS: 14808-60-7 quartz (SiO2): 1

NIOSH-Ca (National Institute for Occupational Safety and Health)
CAS: 14808-60-7 quartz (SiO2)
GHS label elements: not applicable
Trade name: DOLO 20

Hazard pictograms: not applicable
Signal word: not applicable
Hazard statements: not applicable

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 - Division 2 - 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.

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ref.:
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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.