

Safety Data Sheet

acc. to OSHA HCS



RHI MAGNESITA

Printing date 12/06/2022

Version 2

Reviewed on 12/06/2022

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
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1120 Vienna
Austria
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rhimagnesita.com

Information department: msds@rhimagnesita.com
T +43 502 13 5426
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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

GHS label elements not applicable
Hazard pictograms not applicable
Signal word not applicable
Hazard statements not applicable

Additional information:

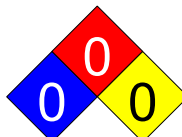
Respirators should be used if dust / fume is present.
A respiratory protection program should be implemented if exposure exceeds the American Conference of Governmental Industrial Hygienists (ACGIH) defined Time Weighted Average (TWA)

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

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HMIS Classification

HEALTH	*0
FIRE	0
REACTIVITY	0

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.

Hazardous combustion products

Will not occur.

Flammable properties

The product is fire resistant.

Not flammable.

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Additional information:

Additional information see section 9.

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* 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.

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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 Respiratory protection / Breathing equipment:

The usual precautionary measures for handling chemicals should be followed.

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.

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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:	Not applicable.
Relative density	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:	Not applicable.
dynamic:	Not applicable.
kinematic:	Not applicable.
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.

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* 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

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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.

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.

Carcinogenicity categories
EPA (Environmental Protection Agency)

None of the ingredients is listed.

TLV (Threshold Limit Value)

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

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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 - 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.

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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.**