

Material Safety Data Sheet

According to 91/155 EC



Printing date 09.01.2001

Reviewed on 30.07.1998

1 Identification of substance

. Product details

. Trade name Giluform 250

. Article number: 59690

. Manufacturer/Supplier:

BK Giulini Chemie GmbH & Co. OHG
Works Ludwigshafen, Giulinistraße 2
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. Information:

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Works Ludwigshafen Phone +49 621 / 5709-523

. Emergency information:

Works Ladenburg Phone +49 6203 / 77-112
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2 Composition/Data on components:

. Chemical characterization:

. CAS No. Designation: 10034-76-1 Calcium Sulphate Hemihydrate

. Identification number(s):

. EINECS Number: 2319003

3 Hazards identification

. Hazard designation: void

. Information pertaining to particular dangers for man and environment void

. Classification system

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

4 First aid measures

. General information No special measures required.

. After inhalation : Supply fresh air.

. After skin contact : Rinse with warm water.

. After eye contact :

Rinse opened eye for several minutes under running water. Then consult doctor.

. After swallowing :

Rinse out mouth and then drink plenty of water.

In case of persistent symptoms consult doctor.

5 Fire fighting measures

. Suitable extinguishing agents

Use fire fighting measures that suit the environment.

CO₂, extinguishing powder or water jet. Fight larger fires with foam.

. Special hazards caused by the material, its products of combustion or flue gases:

Fire can cause release of :

Sulfur trioxide (SO₃)

. Protective equipment: No special measures required.

6 Accidental release measures

. Person-related safety precautions:

Avoid causing dust.

Wear protective clothing.

. Measures for environmental protection: No special measures required.

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- . **Measures for cleaning/collecting:** Collect mechanically.
- . **Additional information:**
See Section 8 for information on personal protection equipment.

7 Handling and storage

- . **Handling**
- . **Information for safe handling:** Provide suction extractors if dust is formed.
- . **Information about protection against explosions and fires:**
The product is not flammable
- . **Storage**
- . **Requirements to be met by storerooms and containers:** No special requirements.
- . **Information about storage in one common storage facility:** Not required.
- . **Further information about storage conditions:** Keep container tightly sealed.
- . **Storage class**
- . **Class according to regulation on inflammable liquids:** Void

8 Exposure controls and personal protection

- . **Components with critical values that require monitoring at the workplace:**
Not required.
- . **Additional information:**
The lists that were valid during compilation were used as a basis.
- . **Personal protective equipment**
- . **General protective and hygienic measures**
The usual precautionary measures should be adhered to in handling the chemicals.
- . **Breathing equipment:**
Short term filter device:
Filter P1.
- . **Protection of hands:** Not required.
- . **Eye protection:** Safety glasses recommended during refilling.

9 Physical and chemical properties:

- . **Form:** Solid.
- . **Colour:** White
- . **Smell:** Odourless
- . **Change in condition**
 - . **Melting point/Melting range:** > 1400°C
 - . **Boiling point/Boiling range:** Not determined
- . **Flash point:** Not applicable
- . **Danger of explosion:** Product is not explosive.
- . **Density at 20°C** 2.6 g/cm³
- . **Settled apparent density at 20°C** 1100 - 1200 kg/m³
- . **Solubility in / Miscibility with**
 - . **Water at 20°C:** 2 g/l
- . **pH-value (10 g/l) at 20°C:** 6 - 7 (Suspension)

10 Stability and reactivity

- . **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- . **Materials to be avoided:** Void

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- . **Dangerous reactions** No dangerous reactions known
- . **Dangerous composition products:**
Sulphur trioxide (SO₃) or SO₃-mist
Temp. > 1000 °C

11 Toxicological information

- . **Acute toxicity:**
- . **Primary irritant effect:**
 - . **on the skin:** No irritant effect.
 - . **on the eye:** Moderate irritation
- . **Sensitization:** No sensitizing effect known.
- . **Additional toxicological information:**
In our experience and according to the information provided to us, the product does not have any harmful effects when used and handled according to specification.
The material is not subject to classification according to EC lists in the last version.

12 Ecological information:

- . **Information about elimination (persistence and degradability):**
- . **Other information:**
Inorganic salts are basically not biodegradable.
Good elimination possible
elimination by flocculation or adsorption by sludge
- . **Ecotoxicological effects:**
- . **Other information:** No AOX
- . **Additional ecological information:**
- . **According to recipe contains the following heavy metals and compounds according to EC guideline NO. 76/464 EC:**
None

13 Disposal considerations

- . **Product:**
- . **Recommendation** Smaller quantities can be disposed with household garbage.
- . **Uncleaned packaging:**
- . **Recommendation:**
Dispose of packaging according to regulations on the disposal of packagings.

14 Transport information

- . **Transport/Additional information:**
Not dangerous according to the above regulations.

15 Regulatory information

- . **Designation according to EC guidelines:**
Observe the normal safety regulations when handling chemicals
The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).
- . **National regulations**
- . **Classification according to VbF:** Void

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. Water hazard class:

WGK 0 : in general not hazardous for water (German regulation)

16 Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

. Department issuing data specification sheet:

Occupational health and safety department

. Contact: Dr. Roland Gitzing

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