

Safety data sheet

acc. to 1907/2006/EC, Article 31 (REACH), 1272/2008/EC (CLP) and 453/2010/EC

Printing date 06.03.2015

Version number 1

Revision: 06.03.2015

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

1.1 Product identifier

Trade name **Giluform 250**

Article number: **59690**

Article number: 59690

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

Impression plaster

Processing aid

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

BK Giulini GmbH

Member of ICL Group

Works Ludwigshafen, Giulinistraße 2

D-67065 Ludwigshafen

www.icl-pp.com

Tel: +49 621 5709 01

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Information:

Business Unit Materials

Product information: Phone +49 621 5709 6525

Contact MSDS: MSDS@icl-group.com

1.4 Emergency telephone number: Tel.: +49 621 / 5709-112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not to be classified according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC Void

Information concerning particular hazards for human 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.

2.2 Label elements

Labelling according to EU 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).

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Blend of gypsum

Dangerous components: Void

SVHC No

Additional information For the wording of the listed risk phrases refer to section 16.

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 symptoms.

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- . **After skin contact :**
Wash with water and soap.
The product is not skin irritating.
- . **After eye contact :** Rinse opened eye for 15 minutes under running water. If symptoms persist, consult doctor.
- . **After swallowing :**
Rinse out mouth and then drink plenty of water (approx. 500 ml).
In case of persistent symptoms consult doctor.
- . **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**
Use fire fighting measures that suit the environment.
CO₂, extinguishing powder or water jet. Fight larger fires with foam.
- . **5.2 Special hazards arising from the substance or mixture**
Fire can cause release of :
Sulfur trioxide (SO₃)
- . **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**
Avoid causing dust.
Wear protective clothing.
- . **6.2 Environmental precautions:** No special measures required.
- . **6.3 Methods and material for containment and cleaning up:** Collect mechanically.
- . **6.4 Reference to other sections** No dangerous materials are released.

SECTION 7: Handling and storage

- . **7.1 Precautions for safe handling**
No special precautions necessary if used correctly.
Provide suction extractors if dust is formed.
- . **Information about protection against explosions and fires:**
The product is not flammable
No special measures required.
- . **7.2 Conditions for safe storage, including any incompatibilities**
- . **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:** Store in cool, dry conditions in well sealed containers.
- . **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- . **Additional information about design of technical systems:** No further data; see section 7.

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- . **8.1 Control parameters**
- . **Components with critical values that require monitoring at the workplace:**
- . **CAS No. Designation of material % Type Value Unit**
- General dust exposure limit, German TRGS 900 (2012) 3 mg/m³
measured as alveolic part
- . **Additional information:** The lists that were valid during compilation were used as a basis.
- . **8.2 Exposure controls**
- . **Personal protective equipment**
- . **General protective and hygienic measures**
- The usual precautionary measures should be adhered to in handling the chemicals.
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes.
- . **Breathing equipment:**
- Short term filter device: ABEK-filter
Filter P1.(For solid particles, DIN 3181)
- . **Protection of hands:** Not required.
- . **Material of gloves** not applicable
- . **Penetration time of glove material** not applicable
- . **Eye protection:** Safety glasses (DIN 58211, EN 166)
- . **Body protection:** Light weight protective clothing

SECTION 9: Physical and chemical properties

- . **9.1 Information on basic physical and chemical properties**
- . **General Information**
- . **Appearance:**
- Form: Solid
- Colour: According to product specification
- . **Smell:** Odourless
- . **Odour threshold:** not applicable
- . **pH-value (10 g/l) at 20 °C:** ca. 6.5 (Suspension)
- . **Change in condition**
- Melting point/Melting range: > 1400 °C
- Boiling point/Boiling range: Not determined
- . **Flash point:** Not applicable
- . **Inflammability (solid, gaseous)** not applicable
- . **Ignition temperature:** not applicable
- . **Decomposition temperature:** not determined
- . **Danger of explosion:** Product is not explosive.
- . **Critical values for explosion:**
- Lower: not applicable
- Upper: not applicable
- . **Oxidising properties** none
- . **Steam pressure:** not applicable
- . **Density at 20 °C** ca. 2.6 g/cm³

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- . Settled apparent density at 20 °C ca. 1150 kg/m³
- . Evaporation rate not applicable
- . Solubility in / Miscibility with Water at 20 °C: ca. 2 g/l
- . Partition coefficient (n-octanol/water): ca. -2 log POW
- . Viscosity:
 - dynamic: not applicable
 - kinematic: not applicable
- . 9.2 Other information No further relevant information available.

* SECTION 10: Stability and reactivity

- . 10.1 Reactivity No hazardous reactions when stored and handled according to instructions.
- . 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: void
- . 10.6 Hazardous decomposition products:
 - Sulphur trioxide (SO₃)
 - Temp. > 1000 °C

SECTION 11: Toxicological information

- . 11.1 Information on toxicological effects
- . Acute toxicity:
- . LD/LC50 values that are relevant for classification:
 - Oral LD50 > 2000 mg/kg (rat)
- . Primary irritant effect:
 - on the skin: No irritant effect.
 - on the eye: Moderate irritation
- . 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 product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version.
- . Sensitisation No sensitizing effect known.
- . Repeated dose toxicity No further relevant information available.
- . CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
 - Due to the ingredients there is no suspicion of a mutagenic effect.
 - Due to the ingredients there is no suspicion of a carcinogenic effect.
 - Due to the ingredients there is no suspicion of a toxic effect on reproduction.
 - Due to the ingredients there is no suspicion of a teratogenic effect.

SECTION 12: Ecological information

- . 12.1 Toxicity
- . Aquatic toxicity: No further relevant information available.
- . 12.2 Persistence and degradability No further relevant information available.

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Other information:

Inorganic salts are basically not biodegradable.
Easy elimination possible by flocculation or adsorption by sludge.

12.3 Bioaccumulative potential

Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected.

12.4 Mobility in soil No further relevant information available.

Ecotoxicological effects:

Other information:

No AOX
No VOC according to EC-directive 1999/13/EC

Additional ecological information:

According to recipe contains the following heavy metals and compounds according to EC guideline NO. 76/464 EC:

None

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

Recommendation

Smaller quantities can be disposed with household garbage.
Can be deposited with household garbage after consulting with the operator of the waste disposal facility and the pertinent authorities and under adherence to the necessary technical regulations.

European waste catalogue

06 03 14 solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13

Uncleaned packaging:

Recommendation:

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.
Packagings that cannot be cleaned are to be disposed of in the same manner as the product.
Dispose of packaging according to regulations on the disposal of packagings.

Recommended cleaning agent: Water, if necessary with cleaning agent.

SECTION 14: Transport information

14.1 UN-Number

ADR, IMDG, IATA Void

14.2 UN proper shipping name

ADR, IMDG, IATA Void

14.3 Transport hazard class(es)

ADR, 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: Not dangerous according to the above regulations.

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. UN "Model Regulation": -

* SECTION 15: Regulatory information

. **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

. **National regulations**

. **Other regulations, limitations and prohibitive regulations**

The general dust exposure limit of 3 mg/m³, measured as alveolic part has to be observed (German TRGS 900, 2012).

. **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

* SECTION 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:** Product Safety and Regulatory Affairs

. **Contact:** MSDS@icl-group.com

. **Abbreviations and acronyms:**

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

. **Sources:** source ECHA: European Chemicals Agency, <http://echa.europa.eu/>

. * **Data compared to the previous version altered.**