

# Safety information sheet

Trade name: Gebaryt  
Creation date: 24.02.2016  
Revised on: 11.04.2016

EN  
Version: 002

## 1 Identification of the substance / preparation and company

### Trade name / art. no.

Gebaryt, art. no. 991.304.14.0

### Application of the substance / the preparation

Synthetic polymer with filler for injection-molded fitting parts.

### Manufacturer / EC marketing authorisation holder

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### Point of contact for technical information

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## 2 Hazards identification

### Classification of the substance or mixture

The Gebaryt compound is not classified as a dangerous preparation.

### Particular hazards for human and environment

The Gebaryt compound is not classified as a dangerous preparation, however, inhalation of dust may irritate the human respiratory tract. Prolonged inhalation of high doses of decomposition products may cause headaches or irritation of the respiratory tract.

The Gebaryt compound can burn, but is not classified as flammable.

The Gebaryt compound is not considered to be dangerous for the environment.

## 3 Composition / information on constituents

### Chemical characterisation

High density polyethylene (CAS no.: 9002-88-4); barium sulfate (CAS no.: 7727-43-7); stabilizers and additives require no specific labeling.

### Hazardous constituents

The Gebaryt compound contains no substance in concentrations classified as hazardous according to EC directives no. 1272/2008.

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## 4 First aid measures

### General information

No specific measures needed.

### In case of inhalation

Inhalation of dust may irritate the human respiratory tract.

Prolonged inhalation of high doses of decomposition products may cause headaches or irritation of the respiratory tract.

### In case of contact with the skin

Molten Gebaryt compound on the skin should be cooled with water, solidified compound should not be pulled from the skin.

## 5 Fire-fighting measures

### Suitable extinguishing agents

Water in spray jet, dry chemicals, foam or carbon dioxide.

### Special hazards

Primary toxic agent in the smoke is carbon monoxide.

## 6 Accidental release measures

### Person-related safety precautions

Spilled granules should be removed immediately to prevent slipping accidents.

## 7 Handling and storage

### Handling

During processing and further thermal treatment of the Gebaryt compound, small amounts of volatile hydrocarbons may be released. Provide adequate ventilation, local exhaust ventilation may be necessary. Avoid inhalation of dust and decomposition fumes. Dust from the Gebaryt compound might be cause to a potential risk of dust explosions. All storage, transportation and dosing equipment must be grounded to earth.

### Storage

No specific safety precautions required.

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## 8 Limitation and monitoring of exposure / personal protective equipment

### General measures for protection and hygiene

Provide adequate ventilation. Local exhaust ventilation may be necessary.

## 9 Physical and chemical characteristics

### General Information

Form: pellets

Colour: black

Odour: odourless

### Chemical characteristics

Melting point / melting range: 125–135 °C

Boiling point / boiling range: not applicable

Flash point: not applicable

Ignition temperature: > 320 °C

Danger of explosion: not explosive, similar to polyolefin compounds

Density (at 20 °C): 1.6–1.7 g/cm<sup>3</sup>

Solubility in / miscibility with water: insoluble

## 10 Stability and reactivity

### Thermal decomposition / conditions to be avoided

The Gebaryt compound is stable when handled and stored under ambient conditions, it decomposes at temperatures > 320 °C.

No dangerous reactions known so far.

### Hazardous decomposition products

No hazardous decomposition products known so far at room temperature.

## 11 Toxicological information

### Acute toxicity

The Gebaryt compound is not classified as a dangerous mixture according to Regulation (EC) no. 1272/2008.

### Sensitisation

Inhalation of dust may irritate the human respiratory tract. Prolonged inhalation of high doses of decomposition components may cause headaches or irritation of the respiratory tract.

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## 12 Environment-related information

### Ecological information

The Gebaryt compound is not considered to be hazardous to the environment.

## 13 Disposal considerations

### Method of handling waste from the substance or its preparation

Reuse or recycling is possible if not contaminated. The Gebaryt compound can be safely used as fuel for incinerator or landfill. Proper combustion does not require special flue gas measures. No contamination of leachate in landfills expectable, check with local authorities.

## 14 Transport information

### Land transport (ADR, RID)

No special measures required.

### Ship transport (ADN, IMDG)

No special measures required.

### Air transport (IATA)

No special measures required.

## 15 Statutory regulations

### Substance safety assessment

No classification or labelling required according to Regulation (EC) no. 1272/2008.

## 16 Other information

### Other instructions

The information supplied in this sheet is based on the current state of knowledge regarding environment, health and safety aspects. It should not be considered as a claim for specific compound characteristics, i.e. Geberit takes no responsibility for any use, processing or handling other than the intended purpose of this compound by any third party.

### Information sheet issuing office

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