

Safety data sheet

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BASF Safety data sheet
Date / Revised: 03.05.2011
Product: **GLENIUM 8100**

Version: 1.0

(30431731/SDS_GEN_AU/EN)

Date of print 04.05.2011

1. Substance/preparation and company identification

GLENIUM 8100

Use: Product for construction chemicals

Company:

BASF Australia Limited (ABN 62 008 437 867)
Level 12, 28 Freshwater Place Southbank
Victoria 3006, AUSTRALIA
Telephone: +61 3 8855-6600
Telefax number: +61 3 8855-6511

Emergency information:

BASF Emergency Advice Number: 1800 803 440 (24h) [within Australia]
BASF Emergency Advice Number: + 61 3 8855 6666 [outside Australia]

2. Hazard identification

No specific dangers known, if the regulations/notes for storage and handling are considered.

NON-HAZARDOUS SUBSTANCE, NON-DANGEROUS GOODS

The product contains: formaldehyde
May produce an allergic reaction.

3. Composition/information on ingredients

Chemical nature

Aqueous solution based on: polycarboxylate ether

4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

If inhaled:

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

On skin contact:

After contact with skin, wash immediately with plenty of water and soap. If irritation develops, seek medical attention.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

Note to physician:

Symptoms: No significant symptoms are expected due to the non-classification of the product.

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:

foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

carbon monoxide, carbon dioxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

Special protective equipment:

Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental Release Measures

Personal precautions:

Use personal protective clothing. Do not breathe vapour/aerosol/spray mists. Sources of ignition should be kept well clear. Handle in accordance with good building materials hygiene and safety practice.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:

For small amounts: Pick up with inert absorbent material (e.g. sand, earth etc.). Dispose of contaminated material as prescribed.

For large amounts: Pump off product.

7. Handling and Storage

Handling

Avoid aerosol formation. Avoid inhalation of mists/vapours. Avoid skin contact. No special measures necessary provided product is used correctly.

Protection against fire and explosion:

No special precautions necessary.

Storage

Suitable materials for containers: steel

Further information on storage conditions: Keep away from heat. Store protected against freezing. Do not keep the container sealed. Formation of CO₂ and build up of pressure possible.

8. Exposure controls and personal protection

Components with workplace control parameters

no exposure standard allocated

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK).

Hand protection:

impermeable gloves

Synthetic rubber gloves

Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

light protective clothing

General safety and hygiene measures:

In order to prevent contamination while handling, closed working clothes and working gloves should be used. Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

9. Physical and Chemical Properties

Form: liquid
 Colour: translucent
 Odour: odourless

pH value: 6.0 - 8.0
 (23 °C)
 slightly alkaline

Information on: Water

solidification temperature: 0 °C

 : approx. >= 100 °C

Information on: Water

boiling temperature: 100 °C
 (1,000 hPa)

Flash point:

A flash point determination is unnecessary due to the high water content.

Flammability: does not ignite

Lower explosion limit: not applicable

Upper explosion limit: not applicable

Self heating ability: It is not a substance capable of spontaneous heating.

Explosion hazard: not explosive

Vapour pressure: not applicable

Information on: Water

Vapour pressure: 23 mbar
 (20 °C)

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Density:	approx. 1.049 - 1.089 g/cm ³ (23 °C)
Bulk density:	not applicable
Solubility in water:	soluble
Miscibility with water:	miscible
Hygroscopy:	Non-hygroscopic
Viscosity, dynamic:	not applicable

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

10. Stability and Reactivity

Conditions to avoid:

See MSDS section 7 - Handling and storage.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

strong acids, strong bases, strong oxidizing agents

Corrosion to metals: No corrosive effect on metal.

Hazardous reactions:

The product is stable if stored and handled as prescribed/indicated.

Possible decomposition products:

carbon dioxide

Traces of the substances/groups of substances mentioned can be released at elevated temperatures.

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion.

Irritation

Assessment of irritating effects:

Not irritating to eyes and skin. The product has not been tested. The statement has been derived from products of a similar structure or composition.

Primary skin irritation rabbit: non-irritant (Guideline 92/69/EEC, B.4)

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The product has not been tested. The statement has been derived from products of a similar structure or composition.

Primary irritations of the mucous membrane rabbit: non-irritant

The product has not been tested. The statement has been derived from products of a similar structure or composition.

Sensitization

Assessment of sensitization:

A sensitizing effect on particularly sensitive individuals cannot be excluded. The product has not been tested. The statement has been derived from the properties of the individual components.

guinea pig: Non-sensitizing.

The product has not been tested. The statement has been derived from products of a similar structure or composition.

Repeated dose toxicity

Assessment of repeated dose toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Genetic toxicity

Assessment of mutagenicity:

The chemical structure does not suggest a specific alert for such an effect.

Ames-test

Mutagenicity tests revealed no genotoxic potential.

Carcinogenicity

Assessment of carcinogenicity:

The chemical structure does not suggest a specific alert for such an effect.

Reproductive toxicity

Assessment of reproduction toxicity:

The chemical structure does not suggest a specific alert for such an effect.

Developmental toxicity

Assessment of teratogenicity:

The chemical structure does not suggest a specific alert for such an effect.

Other relevant toxicity information

On the basis of the product's composition, no acute general toxic effects are to be expected. The product has not been tested. The statement has been derived from products of a similar structure or composition.

The product contains: formaldehyde

May produce an allergic reaction.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:
The product has not been tested.

Toxicity to fish:
LC50 (48 h) > 100 mg/l, *Oncorhynchus mykiss*
The product has not been tested. The statement has been derived from products of a similar structure or composition.

Aquatic invertebrates:
EC50 (48 h) > 100 mg/l, *Daphnia magna* (Directive 92/69/EEC, C.2, static)
The product has not been tested. The statement has been derived from products of a similar structure or composition.

Mobility

Assessment transport between environmental compartments:
No data available.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):
Moderately/partially biodegradable. The product has not been tested. The statement has been derived from the properties of the individual components.

Bioaccumulation potential

Bioaccumulation potential:
No data available concerning bioaccumulation.

Additional information

Other ecotoxicological advice:
There is a high probability that the product is not acutely harmful to aquatic organisms. Do not discharge product into the environment without control. The product has not been tested. The statement has been derived from products of a similar structure or composition.

13. Disposal Considerations

Observe national and local legal requirements.
Residues should be disposed of in the same manner as the substance/product.

Contaminated packaging:
Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

14. Transport Information

Domestic transport:

Not classified as a dangerous good under transport regulations

Sea transport IMDG

Not classified as a dangerous good under transport regulations

Air transport IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Poisons Schedule: Not scheduled

Regulations of the European union (Labelling)

Directive 1999/45/EC ('Preparation Directive'):

The product does not require a hazard warning label in accordance with EC Directives.

Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Registration status:

AICS, AU released / listed

16. Other Information

Due to the merger of Degussa Construction chemicals and BASF Group all Material Safety Data Sheets have been reassessed on the basis of consolidated information. This may have resulted in changes of the Material Safety Data Sheets. In case you have questions concerning such changes please contact us under the address mentioned in Section I.

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The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.