

Safety data sheet

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BASF Safety data sheet
Date / Revised: 09.08.2011
Product: **GLENIUM 103 SURETEC**

Version: 1.0

(30464720/SDS_GEN_AU/EN)

Date of print 10.08.2011

1. Substance/preparation and company identification

GLENIUM 103 SURETEC

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

HAZARDOUS SUBSTANCE, NON-DANGEROUS GOOD
May cause sensitization by skin contact.

Keep out of the reach of children.
Do not keep the container sealed.
Avoid contact with skin.

Wear suitable gloves.

If swallowed, seek medical advice immediately and show this container or label.

3. Composition/information on ingredients

Chemical nature

Aqueous solution based on: polycarboxylate ether, in water

Hazardous ingredients

formaldehyde

Content (W/W): $\geq 0.1\%$ - $< 1\%$

CAS Number: 50-00-0

Hazard symbol(s): T

R-phrase(s): 23/24/25, 34, 40, 43

methanol

Content (W/W): $\geq 0\%$ - $< 1\%$

CAS Number: 67-56-1

Hazard symbol(s): F, T

R-phrase(s): 11, 23/24/25, 39/23/24/25

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

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. Under no circumstances should organic solvent be used. 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. 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:
The product does not contribute to the spreading of flames, nor is it self combustible, not explosive. Take precautionary measures against static discharges.

Storage

Suitable materials for containers: Steel with polyethylene liner
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

formaldehyde, 50-00-0;

CLV 0.3 ppm (ACGIHTLV)
TWA value 1.2 mg/m³ ; 1 ppm (OEL (AU))
STEL value 2.5 mg/m³ ; 2 ppm (OEL (AU))

methanol, 67-56-1;

TWA value 200 ppm (ACGIHTLV)
STEL value 250 ppm (ACGIHTLV)
Skin Designation (ACGIHTLV)
The substance can be absorbed through the skin.
TWA value 262 mg/m³ ; 200 ppm (OEL (AU))
STEL value 328 mg/m³ ; 250 ppm (OEL (AU))
Skin Designation (OEL (AU))
The substance can be absorbed through the skin.

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:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other
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:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures:

Avoid contact with the skin, eyes and clothing. 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: light brown
Odour: characteristic

pH value: approx. 6 - 10
(approx. 23 °C)

Information on: Water
solidification temperature: 0 °C

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

Flash point: > 100 °C
Flammability: does not ignite
Lower explosion limit:

As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.

Upper explosion limit:

As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.

Information on: Water
Vapour pressure: 23 mbar
(20 °C)

Density: approx. 1.055 - 1.075 g/cm³
(25 °C)

Bulk density: not applicable

Solubility in water: soluble
Miscibility with water: completely (e.g. >=90%)

Hygroscopy: Non-hygroscopic

Viscosity, dynamic: 150 mPa.s
(23 °C)

Solids content: 28 - 31 % (BASF method)

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.

Sensitization

Assessment of sensitization:
Sensitization after skin contact possible.

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.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms.

Mobility

Assessment transport between environmental compartments:

No data available.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

Not readily biodegradable (by OECD criteria).

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.

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S-phrase(s)	
S2	Keep out of the reach of children.
S12	Do not keep the container sealed.
S24	Avoid contact with skin.
S37	Wear suitable gloves.
S46	If swallowed, seek medical advice immediately and show this container or label.

Hazard determining component(s) for labelling: FORMALDEHYDE

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 w/o restriction f. BASF / not listed

Import allowed only by BASF Australia Ltd.; PLC/627

16. Other Information

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 3:

T	Toxic.
F	Highly flammable.
23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
34	Causes burns.
40	Limited evidence of a carcinogenic effect.
43	May cause sensitization by skin contact.
11	Highly flammable.
39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

Vertical lines in the left hand margin indicate an amendment from the previous version.

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.