# Safety data sheet



## 1. Substance/preparation and company identification

### GLENIUM ACE 339

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 inhalation and skin contact.

Keep out of the reach of children.
Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
Avoid contact with skin.
Wear suitable gloves.
In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
In case of accident by inhalation: remove casualty to fresh air and keep at rest.

## 3. Composition/information on ingredients

**Chemical nature**

Aqueous solution based on: polycarboxylate ether

Hazardous ingredients

2,2',2'',2'''-Ethylendinitrilotetraethanol
Content (W/W): >= 1 % - < 2.5 %
CAS Number: 140-07-8
EC-Number: 205-396-0
Hazard symbol(s): C
R-phrase(s): 34, 21/22, 42/43

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: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.
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
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

sucrose, 57-50-1;
TWA value 10 mg/m3 (OEL (AU)), Inhalable dust

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: | translucent |
| Odour: | odourless |
| pH value: | 7.5 - 9.5<br>(23 °C)<br>slightly alkaline |
| Information on: Water solidification temperature: | 0 °C |
| --- | --- |
| : | approx. >= 100 °C |

| | |
|---|---|
| Information on: Water | |
| boiling temperature: | 100 °C<br>(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<br>(20 °C) |
| --- | |
| Density: | approx. 1.062 - 1.102 g/cm3<br>(23 °C) |
| Bulk density: | |
| | not applicable |
| Solubility in water: | soluble |
| Miscibility with water: | |
| | completely soluble |
| 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. The product has not been tested. The statement has been derived from products of a similar structure or composition.

### Irritation

Assessment of irritating effects:
May cause slight irritation to the eyes. May cause slight irritation to the skin. May cause slight irritation to the respiratory tract. The product has not been tested. The statement has been derived from the properties of the individual components.

### Sensitization

Assessment of sensitization:
The substance may cause sensitization of the respiratory tract. Sensitization after skin contact possible. The product has not been tested. The statement has been derived from the properties of the individual components.

### 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.

### Carcinogenicity

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

### Reproductive toxicity

Assessment of reproduction toxicity:
The product has not been tested. The statement has been derived from the properties of the individual components.

### Developmental toxicity

Assessment of teratogenicity:

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

### Other relevant toxicity information

The product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

## 12. Ecological Information

### Ecotoxicity

Assessment of aquatic toxicity:
There is a high probability that the product is not acutely harmful to aquatic organisms.
At the present state of knowledge, no negative ecological effects are expected. There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statement has been derived from products of a similar structure or composition.

Aquatic invertebrates:
EC50 (48 h) > 1,000 mg/l, Daphnia magna
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):
Inherently biodegradable. The insoluble fraction can be removed by mechanical means in suitable waste water treatment plants.

### 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 the properties of the individual components.

## 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'):

| | |
|---|---|
| Hazard symbol(s) | |
| Xn | Harmful. |
| R-phrase(s) | |
| R42/43 | May cause sensitization by inhalation and skin contact. |
| S-phrase(s) | |
| S2 | Keep out of the reach of children. |
| S23 | Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer). |
| S24 | Avoid contact with skin. |
| S37 | Wear suitable gloves. |
| S45 | In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). |
| S63 | In case of accident by inhalation: remove casualty to fresh air and keep at rest. |

**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

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.

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

| | |
|---|---|
| C | Corrosive. |
| 34 | Causes burns. |
| 21/22 | Harmful in contact with skin and if swallowed. |
| 42/43 | May cause sensitization by inhalation and skin contact. |

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.