

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 11.11.2011  
Product: **GLENIUM ACE 39**

Version: 1.0

(30493956/SDS\_GEN\_AU/EN)

Date of print 12.11.2011

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## 1. Substance/preparation and company identification

### **GLENIUM ACE 39**

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]

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## 2. Hazard identification

HAZARDOUS SUBSTANCE, NON-DANGEROUS GOOD  
Irritating to eyes and skin.

Keep out of the reach of children.

Avoid contact with skin.

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

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## 3. Composition/information on ingredients

Chemical nature

Aqueous solution based on: alkylamines, glycols

#### Hazardous ingredients

##### 2,2'-iminodiethanol

Content (W/W):  $\geq 0\%$  -  $< 5\%$

CAS Number: 111-42-2

Hazard symbol(s): Xn

R-phrase(s): 22, 38, 41, 48/22

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

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## 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.

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## 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.

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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.

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## 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.

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## 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

Further information on storage conditions: Keep only in the original container in a cool, well-ventilated place. Protect from direct sunlight. Store protected against freezing.

Protect from temperatures below: 5 °C

The packed product is not damaged by low temperatures or by frost.

Protect from temperatures above: 45 °C

The packed product will not be damaged by high temperatures.

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## 8. Exposure controls and personal protection

### Components with workplace control parameters

Ethanol, 2,2'-iminobis-, 111-42-2; (Content (W/W):  $\geq 2.5\%$  -  $< 5\%$ )

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TWA value 13 mg/m<sup>3</sup> ; 3 ppm (OEL (AU))  
TWA value 1 mg/m<sup>3</sup> (ACGIHTLV), Inhalable fraction and vapor  
Skin Designation (ACGIHTLV), Inhalable fraction and vapor  
The substance can be absorbed through the skin.

polyethylene glycol, 25322-68-3; (Content (W/W):  $\geq 0.1\%$  -  $< 2.5\%$ )

#### 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).

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## 9. Physical and Chemical Properties

Form: liquid  
Colour: light brown  
Odour: characteristic

pH value: 6.0 - 11.0  
(23 °C)

Freezing point:  $< 12$  °C  
Boiling point:  $> 100$  °C

##### Flash point:

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

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Flammability:	does not ignite
Self ignition:	not self-igniting
Explosion hazard:	not explosive
Density:	1.045 - 1.085 g/cm <sup>3</sup> (23 °C)
Bulk density:	1,065 kg/m <sup>3</sup> (20 °C) not applicable
Miscibility with water:	(20 °C) miscible
Solids content:	27.3 - 29.3 % (20 °C)

**Other Information:**

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

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## 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

**Hazardous reactions:**

The product is chemically stable.

No hazardous decomposition products if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Acute toxicity

**Assessment of acute toxicity:**

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

### Irritation

**Assessment of irritating effects:**

Irritating to eyes and skin.

### Sensitization

**Assessment of sensitization:**

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.

**Genetic toxicity****Assessment of mutagenicity:**

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

**Ames-test**

Mutagenicity tests revealed no genotoxic potential.

**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**

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.

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**12. Ecological Information****Ecotoxicity****Assessment of aquatic toxicity:**

The product has not been tested.

**Mobility**

Assessment transport between environmental compartments:

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No data available.

### **Bioaccumulation potential**

Bioaccumulation potential:  
No data available concerning bioaccumulation.

### **Additional information**

Other ecotoxicological advice:  
Do not allow to enter soil, waterways or waste water channels.

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## **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.

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## **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

Hazard class:	9
Packing group:	III
ID number:	UN 3334
Hazard label:	9
Proper shipping name:	AVIATION REGULATED LIQUID, N.O.S. (contains POLYCARBOXYLATE ETHER)

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## **15. Regulatory Information**

Poisons Schedule: Not scheduled

### **Regulations of the European union (Labelling)**

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

## Hazard symbol(s)

Xi	Irritant.
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## R-phrase(s)

R36/38	Irritating to eyes and skin.
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## S-phrase(s)

S2	Keep out of the reach of children.
S24	Avoid contact with skin.
S46	If swallowed, seek medical advice immediately and show this container or label.

**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
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**16. Other Information**

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

Xn	Harmful.
22	Harmful if swallowed.
38	Irritating to skin.
41	Risk of serious damage to eyes.
48/22	Harmful: danger of serious damage to health by prolonged exposure 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.