

Safety data sheet

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BASF Safety data sheet

Date / Revised: 20.09.2011

Version: 1.0

Product: **GLENIUM ACE 393**

Classified as hazardous according to criteria of NOHSC

(30511775/SDS_GEN_AU/EN)

Date of print 20.09.2011

1. Substance/preparation and company identification

GLENIUM ACE 393

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.
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

Solution based on: polycarboxylate ether
in water

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Hazardous ingredients

formaldehyde

Content (W/W): $\geq 0.1\%$ - $\leq 2.5\%$

CAS Number: 50-00-0

Hazard symbol(s): T

R-phrase(s): 23/24/25, 34, 40, 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: 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 dioxide, carbon monoxide, 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.

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.

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.

Storage stability:

Storage temperature: 5 - 50 °C

Protect from temperatures below: 5 °C

The packed product is destroyed at low temperatures or by frost.

Protect from temperatures above: 50 °C

The packed product will be damaged by high temperatures.

8. Exposure controls and personal protection

Components with workplace control parameters

formaldehyde, 50-00-0;

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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))

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:

Do not inhale gases/vapours/aerosols. 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: brownish
 Odour: characteristic

pH value: approx. 7 - 9
 (25 °C)

Information on: Water
 solidification temperature: 0 °C

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

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Flash point:	A flash point determination is unnecessary due to the high water content.	
Flammability:	does not ignite	
Information on: Water		
Vapour pressure:	23 mbar (20 °C)	

Density:	approx. 1.050 - 1.070 g/cm ³ (25 °C)	
Bulk density:	not applicable	
Solubility in water:	soluble (20 °C)	
Miscibility with water:	(20 °C) completely (e.g. >=90%)	
Solids content:	approx. 20.5 - 23.5 %	(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

Hazardous reactions:

No hazardous reactions if stored and handled as prescribed/indicated.

The product is chemically stable.

No hazardous reactions if stored and handled as prescribed/indicated.

The product is chemically stable.

Possible decomposition products:

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

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11. Toxicological Information

Acute toxicity

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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:
The chemical structure does not suggest a sensitizing effect.

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.

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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.

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

Hazard class:	9
Packing group:	III
ID number:	UN 3334
Hazard label:	9

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Proper shipping name: AVIATION REGULATED LIQUID, N.O.S. (contains
 POLYCARBOXYLATE ETHER)

15. Regulatory Information

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) (Australia):

Poisons Schedule: Drugs & Poisons, Schedule 6

Hazard symbol(s)

Xi Irritant.

R-phrases(s)

R43 May cause sensitization by skin contact.

S-phrases(s)

S2 Keep out of the reach of children.

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 / listed

16. Other Information

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

T	Toxic.
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.

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

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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.