

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: GLENIUM 51

Other name: None allocated

Recommended use: New generation superplasticiser for premixed and precast concrete.

Supplier: BASF Construction Chemicals Australia Pty Ltd. ABN 46 000 450 288
BASF New Zealand Ltd.

Address: 11 Stanton Road, Seven Hills, NSW, 2147 Australia
45 William Pickering Drive, Albany, Auckland, New Zealand

Telephone number: +61 2 8811 4200 +64 9 414 7233

Facsimile: +61 2 8811 3299 +64 9 414 7244

Emergency telephone number: +61 417 658 263

2. HAZARDS IDENTIFICATION

Hazard classification: NON-HAZARDOUS SUBSTANCE. NON DANGEROUS GOODS
Not hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001

Hazard Designation: None allocated

HSNO Classification: None

Risk phrase(s): None

Safety phrase(s): None

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion</u>
Polycarboxylate solution	Proprietary	30 - 60%
Non-hazardous ingredients		to 100%

4. FIRST AID MEASURES

Inhalation: Not a normal route of injury. However, if inhalation does occur, remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration. Seek medical attention

Eyes: While holding eyes open, gently flood with plenty of fresh water for 15 minutes. If irritation persists or recurs seek medical attention. Skilled personnel should only undertake removal of contact lenses after an eye injury.

Skin: Remove contaminated clothing. Wash contacted areas thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before re-use.

Ingestion: Do not induce vomiting; give large quantities of water; get immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquids into lungs. Do not give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Foam, CO₂ and Dry Chemical.

Hazards from combustion products: Oxides of carbon and nitrogen.

Precautions and equipment for fire fighters: None known.

Hazchem code: None allocated

6. ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and clean up: Caution slippery when spilt. Stop leak if possible without risk. Spills should be contained by absorbing with dry inert filler (vermiculite, sand or soil), which can then be shovelled into appropriately labelled drums for disposal. Carefully dilute with water (fine spray or fog). Wash down area with excess water into a containment area or contain with inert filler for disposal. Spills in a contained area such as a bund can be removed by a commercial bulk liquid waste disposal organisation.

Environmental precautions: Do not allow to enter into drains, sewers or waterways.

7. HANDLING AND STORAGE

Precautions for safe handling: No special precautions.

Conditions for safe storage: Keep containers tightly closed; store under cool dry conditions. Store at 5°C to 35°C. Store under cover and away from frost. Store away from incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

Exposure Standards None applicable for this product.

Personal Protective Equipment (PPE):

Respiratory protection: Not normally applicable. Avoid mists.

Glove type (AS2161): Impervious gloves, e.g. PVC or nitrile rubber gauntlets.

Eye protection: Chemical goggles or safety glasses with side shields.

Clothing: General protective clothing such as overalls or long pants and a long sleeve shirt or a chemical apron. Remove contaminated clothing as soon as possible. Launder thoroughly before reusing. For large spills or ponded areas impervious footwear is preferred.

Other: Do not eat drink or smoke while working with the material. Always wash hands before smoking, eating, drinking or using the toilet and after finishing work. Observe the usual precautions when handling chemicals.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, amber liquid

Odour: Odourless

pH: > 7

Explosion Limit: Not available

Solubility in water: Soluble

Specific gravity: approx. 1.1 g/cm³

Melting point: Not applicable

MATERIAL SAFETY DATA SHEET

According to NOHSC: 2011 (2003) and HSNO CoP 8-1 (September 2006)

Flash point: Not applicable

Boiling point: > 100°C

10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal storage and use conditions and temperatures. May soften plastics (other than polypropylene) over time.

Incompatible materials: Strong oxidising agents, acids and alkalis. Avoid contact with metal (e.g. iron) and plastics other than polypropylene.

Hazardous decomposition products: Oxides of carbon and nitrogen.

Hazardous reactions: Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary: There have been no reports in the literature of health effects in workers arising from long term exposure to this material and no comprehensive human studies have been conducted..

Inhalation: Not expected to cause adverse effects by inhalation.

Eyes: Eye contact is not expected to cause irritation.

Skin contact: Skin contact is not expected to cause irritation

Ingestion: No adverse effects expected, however larger amounts may cause nausea, diarrhoea and vomiting.

Toxicity Data: Not available.

12. ECOLOGICAL INFORMATION

Ecology: Do not discharge into drains, sewers or waterways. Degradability not determined.

13. DISPOSAL CONSIDERATIONS

Disposal method and containers: Ensure containers are sealed. Dispose of material through a licensed waste contractor. Refer to Waste Management Authority.

Special precautions (landfill/incineration): Normally suitable for disposal at approved land waste site.

14. TRANSPORT INFORMATION

UN number: None allocated

UN proper shipping name: None allocated

Dangerous goods class: None allocated

Subsidiary risk: None allocated

Packing group: None allocated

Hazchem code: None allocated

15. REGULATORY INFORMATION

NICNAS / AICS: All components are listed

Poisons Schedule: Not Scheduled

HSNO Classifications: None allocated

MATERIAL SAFETY DATA SHEET

According to NOHSC: 2011 (2003) and HSNO CoP 8-1 (September 2006)

ERMA Group Standard:	None allocated
ERMA / NZIoC:	All components are listed
Tracking:	Not required
Approved Handler:	Not required

16. OTHER INFORMATION

Reason for issue: Update to combined Australia and New Zealand MSDS.

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request. All information contained in this MSDS is as accurate and up-to-date as possible. No warranty expressed or implied is made as to its accuracy, reliability or completeness.