

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: **RHEOFIT 1100**
Other name: None allocated
Product code: 1010203041004_, 1020100029001_, 1020100029002_
Recommended use: Performance admixture for set acceleration and improving concrete.

Company: BASF Construction Chemicals Australia Pty Ltd.
ABN: 46 000 450 288
Address: 11 Stanton Road,
Seven Hills, NSW, 2147, Australia
Telephone number: +61 2 8811 4200
Facsimile: +61 2 8811 3299

Company: BASF Construction Chemicals New Zealand Ltd.
Address: 45 William Pickering Drive,
Albany, Auckland,
New Zealand
Telephone number: +64 9 414 7233
Facsimile: +64 9 414 7244

Emergency telephone number: 0417 658 263

2. HAZARDS IDENTIFICATION

Hazard classification: Not hazardous according to criteria of NOHSC
Risk phrase(s): None allocated
Safety phrase(s): None allocated

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS

Chemical Name	CAS Number	Proportion
Calcium Chloride	10035-04-8	30 - 60%
Non-hazardous ingredients		to 100%

4. FIRST AID MEASURES

Ingestion: Do NOT induce vomiting. Wash mouth with water and 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: Wash contacted area thoroughly with soap and plenty of water. If irritation persists, seek medical attention.
Inhalation: Remove to fresh air. Lay patient down and rest.
First aid facilities: Ensure availability of clean water for eye/skin wash.
Advice to doctor: Treat symptomatically.

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5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Foam, CO₂ and Dry Chemical.
Hazards from combustion products: Possibly chlorine vapour.
Precautions and equipment for fire fighters: Type A1 respirator
Hazchem code: None allocated

6. ACCIDENTAL RELEASE MEASURES

Methods for clean up / collecting: 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 discharge into sewers or waterways.

7. HANDLING AND STORAGE

Conditions for safe storage

Location: Store in a cool, dry area.
Temperature conditions: 5 to 35°C.
Protection from weather: Store undercover and away from frost.
Storage incompatibilities: Strong oxidising agents, acids and alkalis. Avoid contact with metal (e.g. iron).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standards: Not available.
Engineering controls: Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

Personal Protective Equipment

This product is not classified as hazardous, so PPE is not normally essential. However, it is generally recommended that contact with any chemical be kept to a minimum. Following is a guide to suggested PPE that may be utilised for handling this product.

Respiratory protection: Not normally applicable. Avoid mists.
Glove type (AS2161): Impervious gloves e.g. PVC or nitrile rubber gauntlets
Eye protection: Chemical worker's goggles or safety glasses.
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: Use barrier creams to protect skin from contact 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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear to slight haze, low viscosity liquid.
Boiling point (°C):	> 100
Melting point (°C):	Not available
Vapour pressure @ 25°(kPa):	< 3.2
Specific gravity:	ca. 1.3
Flash point (°C):	Not applicable
Flammability limits (%):	Not flammable
Solubility in water:	Soluble
pH:	> 7

10. STABILITY AND REACTIVITY

Hazard of use/storage:	Stable under normal storage and application temperature.
Materials to avoid:	Strong oxidising agents, acids and alkalis. Avoid contact with metal (e.g. iron).
Hazardous decomposition products:	Possibly chlorine vapour.

11. TOXICOLOGICAL INFORMATION

Acute

Ingestion:	No adverse effects expected, however large amounts may cause nausea, diarrhoea and vomiting.
Eye:	May cause eye irritation and redness.
Skin:	May cause skin irritation and prolonged skin contact may cause dermatitis.
Inhalation:	Not applicable

<u>Chronic:</u>	Not a carcinogen, mutagen or teratogen. 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
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12. ECOLOGICAL INFORMATION

Ecology:	Do not discharge into sewers
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13. DISPOSAL CONSIDERATIONS

State/Territory authority:	Observe all Federal, State and Local regulations
Dispose – Secure landfill:	Yes.
Dispose – High temp incinerator:	No
Precautions for clean up crew:	Nitrile rubber or PVC gauntlets.

14. TRANSPORT INFORMATION

UN number:	None allocated
Dangerous goods class:	None allocated
Subsidiary risk:	None allocated
EPG card:	None allocated

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Shipping name: None allocated
Packing group: None allocated
Poisons schedule: None allocated
Hazchem code: None allocated

15. REGULATORY INFORMATION

Risk phrase(s): None allocated
Safety phrase(s): None allocated

16. OTHER INFORMATION

Reason for Issue: New product in range.

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.