

# MATERIAL SAFETY DATA SHEET

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

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** RHEOFINISH FR222

**Other Name:** Formcrete

**Recommended Use:** Form release agent for concrete.

**Company:** BASF New Zealand Ltd.

**Address:** 45 William Pickering Drive,  
Albany, Auckland,  
New Zealand

**Phone Number:** +64 9 414 7233

**Facsimile:** +64 9 414 7244

**Emergency Phone Number:** +61 3 8855 6666 (24h) (outside New Zealand)  
0800 944 0955 (24h) (within New Zealand)

## 2. HAZARDS IDENTIFICATION

**Hazard Classification:** HAZARDOUS SUBSTANCE. DANGEROUS GOODS.  
Dangerous Goods for transport according to IMDG/IATA/ICAO  
Hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001 and NOHSC

**Hazard Designation:** Xn Harmful,  
Xi Irritating

**HSNO Classification**

6.1D	Acutely toxic
6.1E	Acutely toxic
6.3A	Irritating to the skin
6.4A	Irritating to the eye

**Risk Phrase(s):** R22 Harmful if swallowed.  
R36/37/38 Irritating to eyes, respiratory system and skin.

**Safety Phrase(s):** S3/7/9 Keep container closed in a cool, well-ventilated place.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S51 Use only in well ventilated areas.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion</u>
Naptha (petroleum), hydrotreated heavy (T, R45; R46; R65)	64742-48-9	> 60%
Oils, pine	8002-09-3	< 10%
Non hazardous ingredients		to 100%

## 4. FIRST AID MEASURES

**Inhalation:** If inhalation occurs, remove victim from exposure. If difficulty breathing, administer oxygen. If breathing 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

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undertake removal of contact lenses after an eye injury.

<u>Skin:</u>	Remove contaminated clothing. Wash contacted areas thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before re-use.
<u>Ingestion:</u>	Do not induce vomiting; wash mouth with 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.
<u>Advice to doctor:</u>	Because of aspiration, gastric lavage should only be undertaken after endotracheal intubation.

## 5. FIRE FIGHTING MEASURES

<u>Suitable extinguishing media:</u>	Foam, Carbon dioxide (CO <sub>2</sub> ) and Dry Chemical.
<u>Hazards from combustion products:</u>	Oxides of carbon and nitrogen and smoke.
<u>Precautions/equipment for fire fighters:</u>	Vapour/air mixture may ignite explosively. Flashback along vapour trail may occur. Full protective clothing as per personal protection, section 8
<u>Hazchem code:</u>	3Z

## 6. ACCIDENTAL RELEASE MEASURES

<u>Methods and materials for containment and clean up:</u>	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. Do not allow wash down water to contaminate sewers, drains or waterways. Spills in a contained area such as a bund can be removed by a commercial bulk liquid waste disposal organisation. Refer to the local Waste Management Authority and comply with local regulations.
<u>Environmental precautions:</u>	Do not discharge into sewers or waterways.

## 7. HANDLING AND STORAGE

<u>Precautions for safe handling:</u>	Wear PPE as per Section 8.
<u>Conditions for safe storage:</u>	Store in a cool dry area at 5 to 35°C for optimum shelf life. Store undercover and away from frost. Avoid strong oxidising agents.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Engineering controls:</u>	Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use
<u>Personal Protective Equipment (PPE):</u>	
<u>Respiratory protection:</u>	Not normally applicable. Avoid mists. Type A1 if ventilation is inadequate.
<u>Glove type (AS2161):</u>	Impervious gloves e.g. PVC, butyl or nitrile rubber.
<u>Eye protection:</u>	Safety glasses or face shield or chemical worker's goggles.
<u>Clothing:</u>	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

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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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<u>Appearance:</u>	Clear light amber low viscosity liquid.
<u>Odour:</u>	Hydrocarbon
<u>pH:</u>	Not applicable
<u>Boiling point:</u>	> 185 °C
<u>Solubility in water:</u>	Insoluble
<u>Specific gravity:</u>	approx. 0.900 (23 °C)
<u>Flash point:</u>	Approx 80 °C. Combustible material.
<u>Flammability limits:</u>	UEL – 13.5 % LEL – 6.0 %

## 10. STABILITY AND REACTIVITY

<u>Chemical stability:</u>	Stable under normal storage and application temperature. Not sensitive to mechanical impact.
<u>Incompatible materials:</u>	Strong oxidising agents.
<u>Hazardous decomposition products:</u>	Oxides of carbon and nitrogen and smoke.
<u>Hazardous reactions:</u>	Hazardous polymerisation will not occur. Combustible material.

## 11. TOXICOLOGICAL INFORMATION

<u>Inhalation:</u>	Causes irritation to mucous membrane and respiratory tract.
<u>Eyes:</u>	Causes eye irritation and redness.
<u>Skin contact:</u>	Causes skin irritation and prolonged contact may cause dermatitis.
<u>Ingestion:</u>	May cause irritation to mouth, throat and digestive tract. Large dose may cause drowsiness and may lead to unconsciousness. Large amounts may cause nausea, diarrhoea and vomiting. May be fatal if swallowed and enters airways.
<u>Chronic:</u>	Susceptible individuals may develop allergic reactions such as dermatitis or asthma-like symptoms on a single significant skin exposure or may become sensitised to the material on repeated contact. May cause cancer. Hence it is imperative that all forms of exposure be kept to an absolute minimum.

## 12. ECOLOGICAL INFORMATION

<u>Ecology:</u>	Do not discharge into sewers or waterways.
<u>Marine pollutant:</u>	Very toxic to marine life with long lasting effects.

## 13. DISPOSAL CONSIDERATIONS

<u>Disposal method</u>	Refer to Waste Management Authority. Dispose via a licensed waste contractor.
<u>Special precautions</u>	None known. Wear PPE as per Section 8 as required.

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(landfill/incineration):

## 14. TRANSPORT INFORMATION

<u>UN Number:</u>	3082
<u>Proper Shipping Name:</u>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS NAPHTHA/PETROLEUM)
<u>Dangerous Goods Class:</u>	9
<u>Subsidiary Risk:</u>	None allocated
<u>Packing Group:</u>	III
<u>Hazchem Code:</u>	3Z

### Further information

Environmentally Hazardous Substances meeting the description of UN 3077 or UN 3082 are not subjected to the Australian Dangerous Goods Code when transported by road or rail in packaging not exceeding 500 Kg or 500 L.

## 15. REGULATORY INFORMATION

NICNAS / AICS:	All components are listed
Poisons Schedule:	S5
HSNO Classifications:	6.1D, 6.1E, 6.3A, 6.4A
ERMA Group Standard:	HSR002617
ERMA / NZIoC:	All components are listed
Tracking:	Not required
Approved Handler:	Not required

## 16. OTHER INFORMATION

Reason for issue: New U.N. Number and Dangerous Goods allocation to DG. 9.

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.