

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 18.05.2011  
Product: **RHEOFINISH FR222**

Version: 1.0

(30433645/SDS\_GEN\_AU/EN)

Date of print 19.05.2011

## 1. Substance/preparation and company identification

### RHEOFINISH FR222

Use: Product for construction chemicals

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, DANGEROUS GOOD

May cause cancer.

Harmful: may cause lung damage if swallowed.

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Keep locked-up and out of reach of children.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Use only in well-ventilated areas.

Avoid exposure - obtain special instructions before use.

Avoid release to the environment. Refer to special instructions/safety data sheets.

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### 3. Composition/information on ingredients

#### Chemical nature

Contains: organic compounds

#### Hazardous ingredients

Naphtha (petroleum), hydrotreated heavy

Content (W/W):  $\geq 75\%$  -  $\leq 100\%$

CAS Number: 64742-48-9

Hazard symbol(s): T

R-phrases: 45, 46, 65

Oils, pine

Content (W/W):  $\geq 5\%$  -  $< 7\%$

CAS Number: 8002-09-3

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. Immediately 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: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

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:  
See MSDS section 7 - Handling and storage.

Special protective equipment:  
Wear a self-contained breathing apparatus.

Further information:  
The degree of risk is governed by the burning substance and the fire conditions. If exposed to fire, keep containers cool by spraying with water. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Contaminated extinguishing water must be disposed of in accordance with official regulations.

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## 6. Accidental Release Measures

Personal precautions:  
Do not breathe vapour/aerosol/spray mists. Wear eye/face protection. If exposed to high vapour concentration, leave area immediately. Use personal protective clothing. 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.

### Storage

Suitable materials for containers: High density polyethylene (HDPE)  
Further information on storage conditions: Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect from direct sunlight.

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## 8. Exposure controls and personal protection

### Components with workplace control parameters

no exposure standard allocated

### Personal protective equipment

#### Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Combination filter for gases/vapours of organic, inorganic, acid inorganic, alkaline compounds and toxic particles (e. g. EN 14387 Type ABEK-P3)

#### 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. Avoid contact with the skin, eyes and clothing. 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
Odour:	See user defined text.
pH value:	not applicable
Boiling point:	> 185 °C
Flash point:	> 65 °C
Explosion hazard:	explosive under influence of a flame
Fire promoting properties:	Oxidizing.
Vapour pressure:	0.07 kPa (20 °C)

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Density: 0.8 g/cm<sup>3</sup>  
(30 °C)  
Bulk density: not applicable

**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 stable if stored and handled as prescribed/indicated.

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:**

Skin contact causes slight irritation.

### 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:

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

### **Carcinogenicity**

Assessment of carcinogenicity:

The substance caused cancer in animal studies. 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**

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

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## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Very toxic (acute effect) to aquatic organisms. May cause long-term adverse effects in the aquatic environment. The product has not been tested. The statement has been derived from the properties of the individual components.

### **Mobility**

Assessment transport between environmental compartments:

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

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

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

### **Bioaccumulation potential**

Assessment bioaccumulation potential:

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

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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.

### 14. Transport Information

#### Domestic transport:

Hazard class: 9  
Packing group: III  
ID number: UN 3082  
Hazard label: 9, EHSM  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(contains NAPHTHA/PETROLEUM)

#### Further information

Hazchem Code:3Z  
IERG Number:47

#### Sea transport

##### IMDG

Hazard class: 9  
Packing group: III  
ID number: UN 3082  
Hazard label: 9, EHSM  
Marine pollutant: YES  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(contains NAPHTHA/PETROLEUM)

#### Air transport

##### IATA/ICAO

Hazard class: 9  
Packing group: III  
ID number: UN 3082  
Hazard label: 9, EHSM  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(contains NAPHTHA/PETROLEUM)

#### 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 packagings not exceeding 500 Kg or 500 L.

## 15. Regulatory Information

Poisons Schedule: Not scheduled

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

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

Hazard symbol(s)

T Toxic.  
N Dangerous for the environment.

R-phrases(s)

R45 May cause cancer.  
R65 Harmful: may cause lung damage if swallowed.  
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases(s)

S1/2 Keep locked-up and out of reach of children.  
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
S51 Use only in well-ventilated areas.  
S53 Avoid exposure - obtain special instructions before use.  
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

Only for the professional user. Care - avoid exposure - obtain special instructions before use.

### **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

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## 16. Other Information

Due to the merger of Degussa Construction chemicals and BASF Group all Material Safety Data Sheets have been reassessed on the basis of consolidated information. This may have resulted in changes of the Material Safety Data Sheets. In case you have questions concerning such changes please contact us under the address mentioned in Section I.

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

T	Toxic.
45	May cause cancer.
46	May cause heritable genetic damage.
65	Harmful: may cause lung damage if swallowed.

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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.