

# Safety data sheet

Page: 1/8

BASF Safety data sheet  
Date / Revised: 03.06.2011  
Product: **RHEOMAC UW 450**

Version: 1.0

(30338190/SDS\_GEN\_AU/EN)

Date of print 04.06.2011

## 1. Substance/preparation and company identification

### RHEOMAC UW 450

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

No specific dangers known, if the regulations/notes for storage and handling are considered.

NON-HAZARDOUS SUBSTANCE, NON-DANGEROUS GOODS

## 3. Composition/information on ingredients

Chemical nature

Dispersion based on: cellulose ester, modified, in water

### Hazardous ingredients

#### 2-methylpentane-2,4-diol

Content (W/W):  $\geq 1\%$  -  $\leq 3\%$

CAS Number: 107-41-5

Hazard symbol(s): Xi

R-phrases: 36/38

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. 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:

carbon dioxide, dry powder, foam, water spray

### Specific hazards:

carbon monoxide, carbon dioxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

### 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. 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. Sources of ignition should be kept well clear. 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.

### Protection against fire and explosion:

No special precautions necessary.

### Storage

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. Store protected against freezing. Protect from direct sunlight.

---

## 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 and alkaline compounds (e.g. EN 14387 Type ABEK).

#### Hand protection:

impermeable gloves

Synthetic rubber gloves

Manufacturer's directions for use should be observed because of great diversity of types.

BASF Safety data sheet  
 Date / Revised: 03.06.2011  
 Product: **RHEOMAC UW 450**

Version: 1.0

(30338190/SDS\_GEN\_AU/EN)

Date of print 04.06.2011

Eye protection:  
 Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:  
 light protective clothing

General safety and hygiene measures:

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: light yellow  
 Odour: mild

pH value: approx. 8.9 - 9.1

Information on: Water  
 solidification temperature: 0 °C

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

Flash point:  
 Explosion hazard: Non-flammable.  
 not explosive

Vapour pressure:  
 Information on: Water  
 Vapour pressure: contains water  
 23 mbar  
 (20 °C)  
 -----

Density: approx. 1.19 - 1.23 g/cm<sup>3</sup>  
 (20 °C)

Bulk density:  
 not applicable

Solubility in water: miscible  
 (20 °C)

Viscosity, dynamic: approx. 3,000 - 6,000 mPa.s  
 (20 °C)

---

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

Corrosion to metals: No corrosive effect on metal.

Hazardous reactions:

The product is stable if stored and handled as prescribed/indicated.

No hazardous decomposition products if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion. The product has not been tested. The statement has been derived from products of a similar structure or composition.

(oral):No data available.

(by inhalation):No data available.

(dermal):No data available.

### Irritation

Assessment of irritating effects:

Not irritating to eyes and skin. No irritation is expected under intended use and appropriate handling.

### 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:

The chemical structure does not suggest a specific alert for such an effect. The product has not been tested. The statement has been derived from the properties of the individual components.

### **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 such an effect. The product has not been tested. The statement has been derived from the properties of the individual components.

### **Developmental toxicity**

Assessment of teratogenicity:

The chemical structure does not suggest such an effect. The product has not been tested. The statement has been derived from the properties of the individual components.

### **Other relevant toxicity information**

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

At the present state of knowledge, no negative ecological effects are expected. There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statement has been derived from products of a similar structure or composition.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

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

Inherently biodegradable. The insoluble fraction can be removed by mechanical means in suitable waste water treatment plants.

### **Bioaccumulation potential**

Assessment 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 the properties of the individual components.

---

## **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

Not classified as a dangerous good under transport regulations

---

## **15. Regulatory Information**

Poisons Schedule: Not scheduled

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

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

The product does not require a hazard warning label in accordance with EC Directives.

### **Other regulations**

---

BASF Safety data sheet  
Date / Revised: 03.06.2011  
Product: **RHEOMAC UW 450**

Version: 1.0

(30338190/SDS\_GEN\_AU/EN)

Date of print 04.06.2011

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**

In addition to the information given in the safety data sheet we refer to the product specific 'Technical Information'.

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

Xi Irritant.  
36/38 Irritating to eyes and skin.

---

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.