Safety data sheet

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
Contact address:
BASF New Zealand Limited
3 Airpark Drive, Airport Oaks, Manukau
P.O. Box 407, Auckland 1015
NEW ZEALAND
Telephone: +64 9 255-4300
Telefax number: +64 9 255-4307

Emergency information:
National Poisons Centre: 0800 764 766
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

2. Hazard identification

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

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): >= 1 % - <= 3 %
CAS Number: 107-41-5
EC-Number: 203-489-0
INDEX-Number: 603-053-00-3
Hazard symbol(s): Xi
R-phrase(s): 36/38

formaldehyde
Content (W/W): < 0.1 %
CAS Number: 50-00-0
EC-Number: 200-001-8
INDEX-Number: 605-001-00-5
Hazard symbol(s): T
R-phrase(s): 23/24/25, 34, 40, 43

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:

foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:
water jet

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.

Sealed containers should be protected against heat as this results in pressure build-up. Keep containers cool by spraying with water if exposed to fire.

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

2-methylpentane-2,4-diol, 107-41-5;
CLV 25 ppm (ACGIHTLV)
CLV 121 mg/m3 ; 25 ppm (OEL (NZ))

formaldehyde, 50-00-0;
CLV 0.3 ppm (ACGIHTLV)
CLV 1.2 mg/m3 ; 1 ppm (OEL (NZ))

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.

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	
Melting point:	0 °C
boiling temperature:	> 100 °C
Information on: water	
Boiling point:	100 °C

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

Information on: water
Vapour pressure: 23.4 hPa
(20 °C)
Literature data.

Density: approx. 1.19 - 1.23 g/cm3
(20 °C)

Solubility in water: miscible
(20 °C)
Miscibility with water:
(20 °C)
miscible in all proportions

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:
After continuous contact with the skin, sensitization cannot be excluded.

Repeated dose toxicity

Assessment of repeated dose toxicity:
No reliable data was available concerning repeated dose toxicity.

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 (H2O):
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.
Discharge into the environment must be avoided.

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

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

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:

NZIOC, NZ released / exempt

Not classified as hazardous according to HSNO criteria

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.
T	Toxic.
36/38	Irritating to eyes and skin.
23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
34	Causes burns.
40	Limited evidence of a carcinogenic effect.
43	May cause sensitization by skin contact.

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.