

Safety Data Sheet

MasterMatrix UW 450 also RHEOMAC UW 450

Revision date : 2013/08/27

Version: 3.0

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(30605954/SDS_GEN_CA/EN)

1. Product and Company Identification

Company

BASF Canada Inc.
100 Milverton Drive
Mississauga, ON L5R 4H1, CANADA

24 Hour Emergency Response Information

CANUTEC (reverse charges): (613) 996-6666
BASF HOTLINE: (800) 454-COPE (2673)

2. Hazards Identification

Emergency overview

IRRITANT.

MAY CAUSE CENTRAL NERVOUS SYSTEM DAMAGE BASED ON ANIMAL DATA.

This product is an eye and skin irritant.

Use NIOSH approved respirator as needed to mitigate exposure.

Eye wash fountains and safety showers must be easily accessible.

Wear suitable protective clothing, gloves and eye/face protection.

State of matter: liquid

Colour: light yellow

Odour: mild

Potential health effects**Acute toxicity:**

Ingestion may cause gastrointestinal disturbances. The product has not been tested. The statement has been derived from the properties of the individual components.

Irritation / corrosion:

May cause slight irritation to the eyes. May cause slight irritation to the skin. May cause slight irritation to the respiratory tract. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Chronic toxicity:

Carcinogenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Repeated dose toxicity: No reliable data was available concerning repeated dose toxicity. Based on available Data, the classification criteria are not met.

Reproductive toxicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

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Teratogenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Genotoxicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Signs and symptoms of overexposure:

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

Potential environmental effects

Aquatic toxicity:

Based on available Data, the classification criteria are not met. There is a high probability that the product is not acutely harmful to aquatic organisms.

Bioaccumulation / bioconcentration:

Discharge into the environment must be avoided.

3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Hazardous ingredients</u>
107-41-5	>= 1.0 - <= 5.0 %	2-methylpentane-2,4-diol

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.

If on skin:

After contact with skin, wash immediately with plenty of water and soap. If irritation develops, seek medical attention.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed:

Rinse mouth and then drink plenty of water. Seek medical attention.

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Flash point: Non-flammable.

Suitable extinguishing media:

foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:

water jet

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Hazards during fire-fighting:

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

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

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.

Cleanup:

For small amounts: Pick up with inert absorbent material (e.g. clay or diatomaceous earth). Place absorbed material in the same container as the spilled substance/product for disposal.

7. Handling and Storage

Handling

General advice:

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

General advice:

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.

Temperature tolerance

Protect from temperatures below: 5 °C

The packed product must be protected from temperatures below the indicated one.

8. Exposure Controls and Personal Protection

Components with occupational exposure limits

2-methylpentane-2,4-diol

ACGIH TLV CLV 25 ppm ;

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) respirator as necessary.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Safety glasses with side-shields.

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Body protection:

Body protection must be chosen based on level of activity and exposure.

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	
Odour:	mild	
Odour threshold:	No data available.	
Colour:	light yellow	
pH value:	approx. 8.9 - 9.1	
<i>Information on: Water</i>		
Melting point:	0 °C	

boiling temperature:	> 100 °C	
<i>Information on: Water</i>		
Boiling point:	100 °C	

<i>Information on: Water</i>		
Vapour pressure:	23.4 hPa	(20 °C) Literature data.

Density:	approx. 1.19 - 1.23 g/cm ³	(20 °C)
Vapour density:		not determined
Viscosity, dynamic:	approx. 3,000 - 6,000 mPa.s	(20 °C)
Solubility in water:		(20 °C) miscible
Miscibility with water:		(20 °C) miscible in all proportions
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.

Substances to avoid:

strong acids, strong bases, strong oxidizing agents

Hazardous reactions:

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

Decomposition products:

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

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

Corrosion to metals:

No corrosive effect on metal.

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11. Toxicological information

Acute toxicity

Oral:

No data available.

Inhalation:

No data available.

Dermal:

No data available.

Irritation / corrosion

Information on: 2-methylpentane-2,4-diol

Assessment of irritating effects:

Skin contact causes irritation. Eye contact causes irritation.

Repeated dose toxicity

Information on: 2-methylpentane-2,4-diol

Assessment of repeated dose toxicity:

May affect the central nervous system as indicated in animal studies. Chronic overexposure has been shown to cause adverse kidney effects in experimental animals.

Other 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 the properties of the individual components.

12. Ecological Information

Degradability / Persistence

Biological / Abiological Degradation

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

Other adverse effects:

Ecological data are not available. Do not allow to enter soil, waterways or waste water channels.

13. Disposal considerations

Waste disposal of substance:

Do not discharge into drains/surface waters/groundwater. Dispose of in a licensed facility.

Container disposal:

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

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14. Transport Information

Land transport
TDG

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

Federal Regulations

Registration status:

Chemical DSL, CA released / listed

WHMIS classification: D2B: Materials Causing Other Toxic Effects - Toxic material



This product is WHMIS controlled.

THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

16. Other Information

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

SDS Prepared by:

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SDS Prepared on: 2013/08/27

END OF DATA SHEET