

# Safety Data Sheet

## MasterMatrix VMA 362 also RHEOMAC VMA362

Revision date : 2013/03/05

Page: 1/6

Version: 2.0

(30605629/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 irritation.  
Contains a suspect teratogen.

State of matter: liquid  
Colour: light brown  
Odour: odourless

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.

# Safety Data Sheet

## MasterMatrix VMA 362 also RHEOMAC VMA362

Revision date : 2013/03/05

Page: 2/6

Version: 2.0

(30605629/SDS\_GEN\_CA/EN)

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

Contains a suspect teratogen.

**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>
107-21-1	>= 0.5 - <= 1.5 %	ethylene glycol
90-43-7	>= 0.1 - <= 1.0 %	[1,1'-Biphenyl]-2-ol

---

### 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:

A flash point determination is unnecessary due to the high water content.

Flammability:

not flammable

# Safety Data Sheet

## MasterMatrix VMA 362 also RHEOMAC VMA362

Revision date : 2013/03/05  
Version: 2.0

Page: 3/6  
(30605629/SDS\_GEN\_CA/EN)

**Suitable extinguishing media:**

foam, water spray, dry powder, carbon dioxide

**Unsuitable extinguishing media for safety reasons:**

water jet

**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**

ethylene glycol

ACGIH TLV value 100 mg/m<sup>3</sup> aerosol ;

**Personal protective equipment****Respiratory protection:**

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

# Safety Data Sheet

## MasterMatrix VMA 362 also RHEOMAC VMA362

Revision date : 2013/03/05

Version: 2.0

Page: 4/6

(30605629/SDS\_GEN\_CA/EN)

**Hand protection:**

Chemical resistant protective gloves

**Eye protection:**

Safety glasses with side-shields.

**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:	odourless	
Odour threshold:	No data available.	
Colour:	light brown	
pH value:	approx. 8.0	
<i>Information on: Water</i>		
Melting point:	0 °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. 1.002 g/cm <sup>3</sup>	( 20 °C)
Vapour density:		No data available.
Viscosity, dynamic:	approx. 650 - 850 mPa.s	(approx. 20 °C)
Solubility in water:		( 20 °C) soluble
Miscibility with water:		( 20 °C) miscible in all proportions

## 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:**

Corrosive effects to metal are not anticipated.

# Safety Data Sheet

## MasterMatrix VMA 362 also RHEOMAC VMA362

Revision date : 2013/03/05

Version: 2.0

Page: 5/6

(30605629/SDS\_GEN\_CA/EN)

### 11. Toxicological information

#### Irritation / corrosion

Information on: [1,1'-Biphenyl]-2-ol

Assessment of irritating effects:

Severely irritating to the skin. Moderately irritating to the eyes.

#### Genetic toxicity

Information on: [1,1'-Biphenyl]-2-ol

In a bacterial test system the substance showed a weak mutagenic effect. The substance was mutagenic in a mammalian cell culture test system. The substance was not mutagenic in a test with mammals.

#### Development:

Information on: ethylene glycol

In animal studies the substance caused malformations when given at high doses.

#### 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.

### 14. Transport Information

#### Land transport

TDG

Not classified as a dangerous good under transport regulations

# Safety Data Sheet

## MasterMatrix VMA 362 also RHEOMAC VMA362

Revision date : 2013/03/05  
Version: 2.0

Page: 6/6  
(30605629/SDS\_GEN\_CA/EN)

### 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:** D2A: Materials Causing Other Toxic Effects - Very toxic material



**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:

BASF NA Product Regulations  
msds@basf.com  
BASF HOTLINE (800) 454 – COPE (2673)  
SDS Prepared on: 2013/03/05

END OF DATA SHEET