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
SENSITIZER.
IRRITANT.
May cause sensitization by skin contact.
May cause sensitization by inhalation.
Irritating to eyes and skin.

State of matter: liquid
Colour: colourless to slightly yellow
Odour: product specific

Potential health effects

Acute toxicity:
Virtually nontoxic after a single ingestion.

Irritation / corrosion:
Eye contact causes irritation. Skin contact causes irritation.

Sensitization:
Sensitization after skin contact possible.

Chronic toxicity:
Carcinogenicity: Based on the ingredients there is no suspicion of a carcinogenic effect in humans.

Repeated dose toxicity: No reliable data was available concerning repeated dose toxicity.

Genotoxicity: The chemical structure does not suggest a specific alert for such an effect.

Signs and symptoms of overexposure:
Eye irritation, skin irritation, allergic contact dermatitis
Potential environmental effects

Aquatic toxicity:
Acutely toxic for aquatic organisms. May cause long-term adverse effects in the aquatic environment. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. The product has not been tested. The statement has been derived from the properties of the individual components.

Degradation / environmental fate:
The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Content (W/W)</th>
<th>Hazardous ingredients</th>
</tr>
</thead>
<tbody>
<tr>
<td>25085-99-8</td>
<td>&gt;= 40.0 - &lt;= 70.0 %</td>
<td>Oxirane, 2,2'-(1-methylethylidene)bis(4,1-phenyleneoxy)methylene]bis-, homopolymer</td>
</tr>
<tr>
<td>27554-26-3</td>
<td>&gt;= 15.0 - &lt;= 40.0 %</td>
<td>di-isooctyl phthalate</td>
</tr>
<tr>
<td>13463-67-7</td>
<td>&gt;= 1.0 - &lt;= 5.0 %</td>
<td>Titanium dioxide</td>
</tr>
</tbody>
</table>

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.

If on skin:
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.

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 immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

5. Fire-Fighting Measures

Flash point: negligible
Flammability: not highly flammable

Suitable extinguishing media:
foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:
water jet

Protective equipment for fire-fighting:
Wear a self-contained breathing apparatus.
6. Accidental release measures

**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. sand, earth etc.). Dispose of contaminated material as prescribed.
For large amounts: Pump off product.

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.

**Storage**

**General advice:**
Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect from direct sunlight.

8. Exposure Controls and Personal Protection

**Components with occupational exposure limits**

Titanium dioxide

ACGIH TLV TWA value 10 mg/m³

**Personal protective equipment**

**Respiratory protection:**
Wear appropriate certified respirator when exposure limits may be exceeded.

**Hand protection:**
Wear chemical resistant protective gloves. Manufacturer's directions for use should be observed because of great diversity of types.

**Eye protection:**
Safety glasses with side-shields.

**Body protection:**
Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

**General safety and hygiene measures:**
Do not inhale gases/vapours/aerosols. Avoid contact with the skin, eyes and clothing. Avoid exposure - obtain special instructions before use. 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:** product specific

**Odour threshold:** No data available.
10. Stability and Reactivity

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.

Corrosion to metals:
Corrosive effects to metal are not anticipated.

11. Toxicological information

Sensitization:

Information on: Oxirane, 2,2’-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer
Species: guinea pig
Result: sensitizing
Species: guinea pig
Result: sensitizing

Repeated dose toxicity

Information on: Calcium carbonate
Assessment of repeated dose toxicity: Repeated oral uptake of the substance did not cause substance-related effects.

Carcinogenicity

Information on: di-isooctyl phthalate
In long-term studies in rodents exposed to high doses, a tumorigenic effect was found; however, these results are thought to be due to a rodent-specific liver effect that is not relevant to humans. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Reproductive toxicity

Information on: di-isooctyl phthalate
Causes impairment of fertility in laboratory animals. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.
Development:

Information on: di-isooctyl phthalate
The substance caused malformations/developmental toxicity in laboratory animals. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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: Not readily biodegradable (by OECD criteria).

Bioaccumulation

Because of the product's consistency and low water solubility, bioavailability is improbable.

13. Disposal considerations

Waste disposal of substance:
Dispose of in accordance with local authority regulations. Do not discharge into drains/surface waters/groundwater.

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
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 BISPHENOL-A-EPOXYCHLORHYDRIN RESINS M <=700)

Sea transport
IMDG
Hazard class: 9
Packing group: III
ID number: UN 3082
Hazard label: 9, EHSM
Safety Data Sheet
MasterSeal CR 190 PART A also EPOLITH P PTA

Marine pollutant: YES
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(contains BISPHELON-A-EPICHLORHYDRIN RESINS M <=700)

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 BISPHELON-A-EPICHLORHYDRIN RESINS M <=700)

15. Regulatory Information

Federal Regulations
Registration status:
Chemical DSL, CA released / listed

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

BASF HOTLINE (800) 454 – COPE (2673)
SDS Prepared on: 2014/04/07

END OF DATA SHEET