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)

Synonyms: not available     Use: Leather

2. Hazards Identification

Emergency overview
CORROSIVE.
COMBUSTIBLE.
IRRITANT.
Irritating to eyes.
Contains a suspect carcinogen.

State of matter: liquid
Colour: yellow
Odour: product specific

Potential health effects

Acute toxicity:
Of moderate toxicity after single ingestion.

Irritation / corrosion:
Irritating to eyes and respiratory system. Prolonged contact with the product can result in skin irritation.

Chronic toxicity:

Repeated dose toxicity: No other known chronic effects.

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.. Further important symptoms and effects are so far not known.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Content (W/W)</th>
<th>Hazardous ingredients</th>
</tr>
</thead>
</table>
4. First-Aid Measures

**General advice:**
Remove contaminated clothing.

**If inhaled:**
Keep patient calm, remove to fresh air. Assist in breathing if necessary. Consult a physician.

**If on skin:**
Wash thoroughly with soap and water.

**If in eyes:**
Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

**If swallowed:**
Rinse mouth thoroughly with 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:** 50 °C (DIN 51755)
Autoignition: approx. 225 °C (DIN 51794)
Lower explosion limit: (47.2 °C) The lower explosion point of the substance/mixture has been determined. This explosion point describes the temperature of a flammable liquid at which the concentration of the saturated vapour mixed with air equals the lower explosion limit.

Flammability: Flammable.

**Suitable extinguishing media:**
dry powder, foam

**Hazards during fire-fighting:**
harmful vapours
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

**Protective equipment for fire-fighting:**
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:**
Can release flammable vapours. Wind direction should be noted. Avoid all sources of ignition: heat, sparks, open flame. Use antistatic tools.
Environmental precautions:
Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Cleanup:
For large amounts: Pump off product.
For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

7. Handling and Storage

Handling
General advice:
Ensure thorough ventilation of stores and work areas.

Protection against fire and explosion:
Sources of ignition should be kept well clear. Take precautionary measures against static discharges. If delivered in plastic packing, highest permissible emptying temperature is 5 Kelvin below the flash point.

Storage
General advice:
Keep container tightly closed and in a cool place.

Storage stability:
Storage temperature: 5 - 40 °C

Temperature tolerance
Protect from temperatures below: 5 °C
Protect from temperatures above: 40 °C

8. Exposure Controls and Personal Protection

Components with workplace control parameters

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH TWA value</th>
<th>STEL value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-methoxypropan-2-ol</td>
<td>100 ppm</td>
<td>150 ppm</td>
</tr>
<tr>
<td>1-methoxypropan-2-ol</td>
<td>100 ppm</td>
<td>150 ppm</td>
</tr>
</tbody>
</table>

Personal protective equipment

Respiratory protection:
Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Hand protection:
Chemical resistant protective gloves

Eye protection:
Tightly fitting safety goggles (chemical goggles).

General safety and hygiene measures:
Handle in accordance with good industrial hygiene and safety practice. Due to the colouring properties of the product closed work clothes should be used, to avoid stains during manipulation.

9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>liquid</td>
</tr>
<tr>
<td>Odour</td>
<td>product specific</td>
</tr>
</tbody>
</table>
Odour threshold: No data available.
Colour: yellow
pH value: 7 - 9 (50 g/l, 20 °C)
Boiling range: 100 - 232 °C (1,013 hPa)

Information on: 1-methoxypropan-2-ol
Vapour pressure: 17.1 hPa (25.1 °C) (measured) dynamic

Density: 1.014 g/cm³ (20 °C) (ISO 2811-2)
Miscibility with water: miscible in all proportions
Solubility (qualitative): soluble
solvent(s): polar solvents,
Other Information: If necessary, information on other physical and chemical parameters is indicated in this section.

10. Stability and Reactivity

Conditions to avoid:
Avoid all sources of ignition: heat, sparks, open flame. Avoid electro-static discharge.

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

Corrosion to metals:
Corrosive effect on: aluminum

11. Toxicological information

Acute toxicity

Information on: Butyl carbitol

Information on: Cobalt

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Oral:
Type of value: LD50
Species: rat
Value: > 2,000 mg/kg

Inhalation:
Type of value: LC50
Species: rat
Value: (IRT)
Exposure time: 7 h
No mortality within the stated exposition time as shown in animal studies.

Irritation / corrosion

Skin:
Species: rabbit
Result: non-irritant
Method: Draize test

Eye:
Species: rabbit
Result: Irritant
Method: Draize test
Repeated dose toxicity

Information on: Cobalt

Information on: Methoxypropanol

Other Information:
The product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

12. Ecological Information

Fish

Acute:
OECD Guideline 203 Brachydanio rerio/LC50 (96 h): 1 - 10 mg/l

Aquatic invertebrates

Acute:
OECD Guideline 202, part 1 Daphnia magna/EC50 (48 h): 1 - 10 mg/l

Microorganisms

Toxicity to microorganisms:
OECD Guideline 209 bacterium/EC50 (0.5 h): > 1,000 mg/l
Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

Degradability / Persistence

Biological / Abiological Degradation
Test method: ISO 18749, activated sludge
Method of analysis: colour reduction
Degree of elimination: 90 - 100 %

Other adverse effects:
The product has not been tested. The statement has been derived from the properties of the individual components.
Do not release untreated into natural waters.
The material/the product should not go into waste-water if stored and handled as prescribed/indicated.

The product contains: 1.2 (W/W) % cobalt
The heavy metals mentioned are present in complex bound form as substantial constituent of the colourant.

13. Disposal considerations

Waste disposal of substance:
Must be disposed of or incinerated in accordance with local regulations.

Container disposal:
Uncontaminated packaging can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

14. Transport Information
15. Regulatory Information

Federal Regulations

Registration status:
Chemical DSL, CA released / listed

WHMIS classification: B3: Combustible Liquid
D2A: Materials Causing Other Toxic Effects - Very toxic material
D2B: Materials Causing Other Toxic Effects - Toxic material
E: Corrosive 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.

MSDS Prepared by:
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MSDS Prepared on: 2012/05/01

END OF DATA SHEET