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)

PCP # 27879

2. Hazards Identification

Emergency overview

KEEP OUT OF REACH OF CHILDREN.
HARMFUL IF ABSORBED THROUGH SKIN.
HARMFUL IF INHALED.
HARMFUL IF SWALLOWED.
Causes eye irritation.
May cause skin irritation.
Do not get in eyes, on skin, or on clothing.

State of matter: liquid
Colour: light brown
Odour: phenol-like

Potential health effects

Acute toxicity:
Slightly toxic after single ingestion. Relatively nontoxic after short-term inhalation. Slightly toxic after short-term skin contact.

Irritation / corrosion:
May cause severe but temporary irritation to the eyes. May cause severe irritation to the skin.

Sensitization:
Skin sensitizing effects were not observed in animal studies.

Chronic toxicity:
Repeated dose toxicity: No known chronic effects.
3. Composition / Information on Ingredients

Not WHMIS controlled.

4. First-Aid Measures

If inhaled:
Keep patient calm, remove to fresh air, 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:
Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed:
Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

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

5. Fire-Fighting Measures

Flash point: > 118 °C (ASTM D93) The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Lower explosion limit: As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.

Upper explosion limit: As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.

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

Hazards during fire-fighting:
carbon monoxide, carbon dioxide, nitrogen oxides
The substances/groups of substances mentioned can be released in case of fire.

Protective equipment for fire-fighting:
Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:
In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.
6. Accidental release measures

**Personal precautions:**
Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Remove contaminated clothes, undergarments and shoes immediately.

**Environmental precautions:**
Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

**Cleanup:**
Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed.
For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).
For large amounts: Dike spillage. Pump off product.

7. Handling and Storage

**Handling**

**General advice:**
No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas.

**Protection against fire and explosion:**
Vapours may form ignitable mixture with air. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

**Storage**

**General advice:**
Keep away from heat. Protect against moisture. Protect from direct sunlight. Store protected against freezing.

**Storage incompatibility:**
General advice: Segregate from foods and animal feeds.

8. Exposure Controls and Personal Protection

Users of a pesticidal product should refer to the product label for personal protective equipment requirements.

**Personal protective equipment**

**Respiratory protection:**
Wear respiratory protection if ventilation is inadequate. Respiratory protection in case of vapour/aerosol release.

**Hand protection:**
Chemical resistant protective gloves

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

**Body protection:**
Light protective clothing

**General safety and hygiene measures:**
Avoid contact with the skin, eyes and clothing.
9. Physical and Chemical Properties

Form: suspension
Odour: phenol-like
Odour threshold: No data available.
Colour: light brown
pH value: 3.4 (2 % (m), 20 °C)
freezing range: -20 °C
boiling temperature: 232 - 278 °C (Information applies to the solvent.)
Vapour pressure: 1 hPa (20 °C) (Information applies to the solvent.)
Density: approx. 1.15 g/cm³ (20 °C)
Vapour density: not determined
Partitioning coefficient n-octanol/water (log Pow): not applicable
Viscosity, dynamic: 253 mPa.s (20 °C)
Viscosity, kinematic: 220 mm²/s (25 °C)
Solubility in water: dispersible

10. Stability and Reactivity

Conditions to avoid:

Substances to avoid:
strong bases, strong acids, strong oxidizing agents

Hazardous reactions:
No hazardous reactions if stored and handled as prescribed/indicated.

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

Thermal decomposition:
not determined

Corrosion to metals:
No data available.

11. Toxicological information

Acute toxicity

Oral:
Type of value: LD50
Species: rat (male/female)
Value: > 500 - < 2,000 mg/kg

Inhalation:
Type of value: LC50
Species: rat (male/female)
Value: > 4.90 mg/l
Exposure time: 4 h
An aerosol was tested.

Dermal:
Type of value: LD50
Species: rat (male/female)
Value: > 4,000 mg/kg
Irritation / corrosion

Skin:
Species: rabbit
Result: Irritant.

Eye:
Species: rabbit
Result: Irritant.

Sensitization:
modified Buehler test
Species: guinea pig
Result: Skin sensitizing effects were not observed in animal studies.

Genetic toxicity

Information on: Imazamox
No mutagenic effect was found in various tests with microorganisms and mammalian cell culture. The substance was not mutagenic in a test with mammals.

Carcinogenicity

Information on: Imazamox
In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed.
Information on: crystalline silica
In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed. In long-term animal studies in which the substance was given by inhalation in high doses, a carcinogenic effect was observed. The substance and its compounds in the form of respirable dusts/aerosol is classified by the German MAK commision as a category 1 carcinogen (substances that cause cancer to humans). A carcinogenic effect cannot safely be ruled out. The inhalation uptake of the alveolar fraction of the fine dust may cause damage to the lungs. The International Agency for Research on Cancer (IARC) has classified this substance as a Group 1 (known) human carcinogen.

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NTP listed carcinogen

Reproductive toxicity

Information on: Imazamox
The results of animal studies gave no indication of a fertility impairing effect.

Development:

Information on: Imazamox
No indications of a developmental toxic / teratogenic effect were seen in animal studies.

12. Ecological Information

Fish

Information on: imazamox
Acute:
Oncorhynchus mykiss/LC50 (96 h): = > 122 ppm
13. Disposal considerations

Waste disposal of substance:
See product label for disposal and recycling instructions.

Container disposal:
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

14. Transport Information

Land transport
TDG

Not classified as a dangerous good under transport regulations

Sea transport
IMDG

Hazard class: 9
Packing group: III
ID number: UN 3082
Hazard label: 9, EHSM
Marine pollutant: YES
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains 2,4-DICHLOROPHENOXY ACETIC ACID (2-ETHYLHEXYLESTER), SOLVENT NAPHTHA)

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 2,4-DICHLOROPHENOXY ACETIC ACID (2-ETHYLHEXYLESTER), SOLVENT NAPHTHA)
15. Regulatory Information

**Federal Regulations**

**Registration status:**
- Crop Protection: DSL, CA released / exempt
- Chemical: DSL, CA released; restriction on quantity / not listed

WHMIS does not apply to this product.

**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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END OF DATA SHEET