

Safety Data Sheet

POAST ULTRA

Revision date : 2012/04/26
Version: 2.1

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(30060524/SDS_CPA_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)

PCP # 24835

2. Hazards Identification

Emergency overview

CAUTION:
POISON.
Skin Irritant
Eye irritant.
COMBUSTIBLE LIQUID.
KEEP OUT OF REACH OF CHILDREN.
SKIN OR EYE CONTACT MAY CAUSE IRRITATION.
Avoid contact with the skin, eyes and clothing.
Avoid inhalation of mists/vapours.
Wash thoroughly after handling.

State of matter: liquid
Colour: red-brown
Odour: mild

Potential health effects

Acute toxicity:

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

Irritation / corrosion:

Irritating to eyes, respiratory system and skin.

Sensitization:

Skin sensitizing effects were not observed in animal studies.

Potential environmental effects

Aquatic toxicity:

There is a high probability that the product is not acutely harmful to fish. Acutely harmful for aquatic invertebrates. Very toxic (acute effect) to aquatic plants.

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3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Hazardous ingredients</u>
91-20-3	>= 3.0 - <= 7.0 %	naphthalene
95-63-6	>= 1.0 - <= 5.0 %	1,2,4-trimethylbenzene

4. First-Aid Measures

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 irritation develops, seek medical attention.

If in eyes:

Flush with copious amounts of water for at least 15 minutes. Seek medical attention if necessary.

If swallowed:

Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention.

5. Fire-Fighting Measures

Flash point:	65 °C	(ASTM D56)
Autoignition:	443 °C	
Lower explosion limit:		not determined
Upper explosion limit:		not determined

Suitable extinguishing media:

water spray, carbon dioxide, foam, dry powder

Hazards during fire-fighting:

No particular hazards known.

Protective equipment for fire-fighting:

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

6. Accidental release measures

Personal precautions:

Avoid contact with skin and eyes.

Environmental precautions:

Do not discharge into drains/surface waters/groundwater.

Cleanup:

Dispose of absorbed material in accordance with regulations.

For small amounts: Pick up with suitable absorbent material.

For large amounts: Dike spillage. Pump off product.

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7. Handling and Storage

Handling

General advice:

Keep away from sources of ignition - No smoking. Avoid contact with skin and eyes.

Storage

General advice:

Keep container tightly closed in a cool, well-ventilated place. Keep container dry. Avoid all sources of ignition: heat, sparks, open flame.

8. Exposure Controls and Personal Protection

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

Components with workplace control parameters

naphthalene	OSHA ACGIH	PEL 10 ppm 50 mg/m3 ; TWA value 10 ppm ; STEL value 15 ppm ; Skin Designation ; The substance can be absorbed through the skin.
1,2,4-trimethylbenzene	ACGIH	TWA value 25 ppm ;

Advice on system design:

Ensure adequate ventilation.

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) TC-19C positive pressure air supplied respirator.

Hand protection:

Chemical resistant protective gloves, Suitable materials, plastic, rubber

Eye protection:

Tightly fitting safety goggles (chemical goggles).

Body protection:

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

9. Physical and Chemical Properties

Form:	liquid	
Odour:	mild	
Odour threshold:	No data available.	
Colour:	red-brown	
pH value:	5.3	
Melting point:	< 20 °C	
Vapour pressure:	< 0.3 mmHg	(25 °C)
Density:	approx. 1.0 g/cm3	(20 °C)
Bulk density:		dropped
Vapour density:		not determined
Partitioning coefficient n-octanol/water (log Pow):		not applicable

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Solubility in water:

insoluble

10. Stability and Reactivity

Conditions to avoid:

Avoid all sources of ignition: heat, sparks, open flame.

Substances to avoid:

strong acids, strong bases, strong oxidizing agents

Hazardous reactions:

The product is chemically stable.

Decomposition products:

Hazardous decomposition products: carbon monoxide, carbon dioxide

Thermal decomposition:

not determined

11. Toxicological information

Acute toxicity

Oral:

Type of value: LD50
Species: rat
Value: > 4,000 mg/kg

Inhalation:

Type of value: LC50
Species: rat
Value: > 5.21 mg/l
Exposure time: 4 h

Dermal:

Type of value: LD50
Species: rabbit
Value: > 5,000 mg/kg

Irritation / corrosion

Skin:

Species: rabbit
Result: Irritant.

Eye:

Species: rabbit
Result: Irritant.

Sensitization:

Result: Non-sensitizing.

Genetic toxicity

Information on: Sethoxydim

No mutagenic effect was found in various tests with microorganisms and mammals.

Carcinogenicity

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Information on: Sethoxydim

In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed.

Reproductive toxicity

Information on: Sethoxydim

The results of animal studies gave no indication of a fertility impairing effect.

Development:

Information on: Sethoxydim

Causes developmental effects in animals at high, maternally toxic doses.

12. Ecological Information

Fish

Acute:

Oncorhynchus mykiss/LC50 (96 h): 170 mg/l

The product has not been tested. The statement has been derived from products of a similar structure or composition.

Lepomis macrochirus/LC50 (96 h): 265 mg/l

The product has not been tested. The statement has been derived from products of a similar structure or composition.

Aquatic invertebrates

Information on: Sethoxydim

Acute:

Daphnia magna/EC50 (48 h): > 78.1 ppm

Aquatic plants

Information on: Sethoxydim

Toxicity to aquatic plants:

static

algae/EC50: 0.3 mg/l

13. Disposal considerations

Waste disposal of substance:

See product label for disposal and recycling instructions.

14. Transport Information

Land transport

TDG

Not classified as a dangerous good under transport regulations

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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:

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

Recommended use: herbicide

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: 2012/04/26

END OF DATA SHEET