

Safety data sheet

DISTINCT

Revision date : 2005/10/25
Version : 1.0

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(30058713/MDS_GEN_CA/EN)

1. Substance/preparation and company identification

Company
BASF CANADA
345 CARLINGVIEW DRIVE
TORONTO, ON M9W 6N9

24 Hour Emergency Response Information
CANUTEC (reverse charges): (613) 996-6666
BASF HOTLINE (800) 454-COPE (2673)

Molecular formula: C(8)H(5)Cl(2)O(3).Na; C(15)H(11)F(2)N(4)O(3).Na
Chemical family: substituted, aromatic, carboxylic acid
Synonyms: sodium dicamba; sodium diflufenzopyr (active ingredients), PCP#25811

2. Hazardous ingredients

Not WHMIS controlled.

3. Hazard identification

Potential health effects

Acute toxicity:
Harmful if swallowed.

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

Sensitization:
Caused skin sensitization in animal studies.

Repeated dose toxicity:
No known chronic effects.

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 affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

If in eyes:
Hold eyelids open to facilitate rinsing. Flush with copious amounts of water for at least 15 minutes. If symptoms persist, seek medical advice.

If swallowed
If person is conscious and can swallow, give two glasses of water. Induce vomiting. Immediate medical attention required.

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5. Fire-fighting measures

Flash point: No data available.
Autoignition: No data available.

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

Hazards during fire-fighting:
carbon monoxide, Carbon dioxide, Chloride, Nitrogen oxide, Fluoride, nitrogen dioxide,
If product is heated above decomposition temperature, toxic vapours will be released. The
substances/groups of substances mentioned can be released if the product is involved in a fire.

Protective equipment for fire-fighting :
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

6. Accidental release measures

Personal precautions :
Take appropriate protective measures. Clear area. Shut off source of leak only under safe conditions.
Extinguish sources of ignition nearby and downwind. Ensure adequate ventilation. Wear suitable personal
protective clothing and equipment.

Environmental precautions :
Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater. Contain
contaminated water/firefighting water.

Cleanup :
Dike spillage. Pick up with suitable absorbent material. Place into suitable containers for reuse or disposal in
a licensed facility. Spilled substance/product should be recovered and applied according to label rates
whenever possible. If application of spilled substance/product is not possible, then spills should be
contained, solidified, and placed in suitable containers for disposal. After decontamination, spill area can be
washed with water. Collect wash water for approved disposal.

7. Handling and storage

Handling

General advice:
Ensure adequate ventilation. Provide good ventilation of working area (local exhaust ventilation if
necessary). Keep away from sources of ignition - No smoking. Keep container tightly sealed. Protect
contents from the effects of light. Protect against heat. Protect from air. Handle and open container with
care. Do not open until ready to use. Once container is opened, content should be used up as soon as
possible. Avoid aerosol formation. Avoid dust formation. Provide means for controlling leaks and spills. Do
not return residues to the storage containers. Follow label warnings even after container is emptied. The
substance/ product may be handled only by appropriately trained personnel. Avoid all direct contact with the
substance/product. Avoid contact with the skin, eyes and clothing. Avoid inhalation of dusts/mists/vapours.
Wear suitable personal protective clothing and equipment.

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Protection against fire and explosion :

The relevant fire protection measures should be noted. Fire extinguishers should be kept handy. Avoid all sources of ignition: heat, sparks, open flame. Sources of ignition should be kept well clear. Avoid extreme heat. Keep away from oxidizable substances. Electrical equipment should conform to national electric code. Ground all transfer equipment properly to prevent electrostatic discharge. Electrostatic discharge may cause ignition.

Storage

General advice:

Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect containers from physical damage. Protect against contamination.

Storage incompatibility:

General: Segregate from incompatible substances. Segregate from foods and animal feeds. Segregate from textiles and similar materials.

Temperature tolerance

Protect from temperatures above: 104 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

8. Exposure controls and personal protection

Advice on system design :

Whenever possible, engineering controls should be used to minimize the need for personal protective equipment.

Personal protective equipment

Respiratory protection :

Wear a NIOSH-certified (or equivalent) particulate respirator.

Hand protection:

Chemical resistant protective gloves, Suitable materials, rubber, plastic

Eye protection :

Safety glasses with side-shields (frame goggles) (EN 166)

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:

Avoid inhalation of dust.

9. Physical and chemical properties

Form	granules
Odour:	almost odourless, moderate odour
Odour threshold:	No data available.
Boiling point:	approx. 155 °C (760 mmHg)
Bulk density:	41 kg/m3
Solubility in water :	dispersible

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10. Stability and reactivity

Conditions to avoid :

Avoid all sources of ignition: heat, sparks, open flame. Avoid extreme temperatures. Avoid prolonged exposure to extreme heat. Avoid contamination. Avoid electro-static discharge. Avoid prolonged storage.

Substances to avoid:

No substances known that should be avoided.

Hazardous reactions :

The product is chemically stable.
Hazardous polymerization will not occur. 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., Prolonged thermal loading can result in products of degradation being given off.

Corrosion to metals:

Corrosive effects to metal are not anticipated.

11. Toxicological information

Acute toxicity

Oral:

LD50/rat: > 1,800 mg/kg

Inhalation:

LC50/rat: > 5.34 mg/l / 4 h

Dermal:

LD50/rat: > 5,000 mg/kg

Skin irritation:

rabbit: Mildly irritating. (FHSA Guideline)

Eye irritation :

rabbit: Moderately irritating.

Sensitization:

Skin sensitization test/guinea pig : sensitizing

Chronic toxicity

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Other information :
Misuse can be harmful to health.

12. Ecological information

Information on: dicamba
Acute and prolonged toxicity to fish:
Rainbow trout/LC50: 177 mg/l

Information on: Diflufenzopyr
Acute and prolonged toxicity to fish:
Rainbow trout/LC50 (96 h): 106 mg/l
sunfish, bluegill/LC50: > 135 mg/l

Information on: dicamba
Acute toxicity to aquatic invertebrates:
Daphnia magna/EC50: 216 mg/l

Information on: Diflufenzopyr
Acute toxicity to aquatic invertebrates:
Daphnia magna/EC50 (48 h): 15 mg/l

Information on: dicamba
Toxicity to aquatic plants :
green algae/EC50: > 3.7 mg/l

Information on: Diflufenzopyr
Toxicity to aquatic plants :
green algae/EC50 (48 h): 0.11 mg/l

13. Disposal considerations

Waste disposal of substance :
Dispose of in a licensed facility.
Observe all local regulations.

14. Transport information

Reference Bill of Lading

15. Regulatory information

Federal Regulations

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Registration status :

DSL, CA

released / exempt

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

Local contact information
BASF Canada Product Safety
416-675-3611

END OF DATA SHEET