

Safety Data Sheet

DYVEL

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(30058159/SDS_CPA_CA/EN)

1. Product and Company Identification

Use: crop protection product, herbicide

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#16545

Synonyms:

Dyvel Herbicide Solution

2. Hazards Identification

Emergency overview

CAUTION:
POISON.
KEEP OUT OF REACH OF CHILDREN.
HARMFUL IF SWALLOWED.
HARMFUL IF ABSORBED THROUGH SKIN.
Avoid contact with the skin, eyes and clothing.

State of matter: liquid

Colour: amber

Odour: amine-like

Potential health effects

Irritation / corrosion:

Corrosive to eyes. Frequent and prolonged contact can lead to skin irritation.

Chronic toxicity:

Teratogenicity: Contains a suspect teratogen.

3. Composition / Information on Ingredients

Not WHMIS controlled.

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4. First-Aid Measures

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention. Assist in breathing if necessary.

If on skin:

Wash affected areas 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 swallowed:

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

5. Fire-Fighting Measures

Flash point:

Non-flammable.

Suitable extinguishing media:

water spray, dry powder, foam, carbon dioxide

Protective equipment for fire-fighting:

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

Further information:

Evacuate area of all unnecessary personnel. Contain contaminated water/firefighting water. Do not allow to enter drains or waterways.

6. Accidental release measures

Personal precautions:

Avoid contact with the skin, eyes and clothing. Wear suitable personal protective clothing and equipment.

Environmental precautions:

Do not discharge into drains/surface waters/groundwater.

Cleanup:

For small amounts: Pick up with suitable absorbent material. Place into suitable container for disposal.

For large amounts: Dike spillage. Pump off product.

7. Handling and Storage

Handling

General advice:

Avoid contact with the skin, eyes and clothing.

Storage

General advice:

Keep only in the original container in a cool, well-ventilated place. Keep away from food, drink and animal feeding stuffs.

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8. Exposure Controls and Personal Protection

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

Advice on system design:

Ensure adequate ventilation.

Personal protective equipment

Respiratory protection:

Breathing protection if gases/vapours are formed.

Hand protection:

Chemical resistant protective gloves, Protective glove selection must be based on the user's assessment of the workplace hazards.

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:	amine-like	
Odour threshold:	No data available.	
Colour:	amber	
pH value:		not applicable, not soluble
Boiling point:	100 °C	
Vapour pressure:		No data available.
Density:	1.178 g/cm ³	(20 °C)
Bulk density:		dropped
Partitioning coefficient n-octanol/water (log Pow):		not applicable
Solubility in water:		miscible

10. Stability and Reactivity

Conditions to avoid:

No conditions known that should be avoided.

Decomposition products:

Hazardous decomposition products: Sodium Dicamba, carbon monoxide, Hydrogen chloride

11. Toxicological information

Acute toxicity

Oral:

Information on: dicamba acid

Type of value: LD50

Species: rat (male/female)

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Value: 1,581 mg/kg

Information on: chlorophenoxy acid

Type of value: LD50

Species: rat (male/female)

Value: 1,160 mg/kg

Inhalation:

Information on: dicamba acid

Type of value: LC50

Species: rat (male)

Value: 4.46 mg/l

Exposure time: 4 h

Information on: chlorophenoxy acid

Type of value: LC50

Species: rat (male/female)

Value: > 6.36 mg/l

Exposure time: 4 h

Dermal:

Information on: Dicamba

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg

Information on: chlorophenoxy acid

Type of value: LD50

Species: rat (male/female)

Value: > 4,000 mg/kg

Irritation / corrosion:

Skin:

Information on: Dicamba

Species: rabbit

Result: non-irritant

Information on: chlorophenoxy acid

Species: rabbit

Result: Irritant.

Eye:

Information on: dicamba acid

Species: rabbit

Result: Risk of serious damage to eyes.

Information on: chlorophenoxy acid

Species: rabbit

Result: Risk of serious damage to eyes.

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Sensitization

Information on: Dicamba
Assessment of sensitization:
There is no evidence of a skin-sensitizing potential.

Information on: chlorophenoxy acid
Assessment of sensitization:
Skin sensitizing effects were not observed in animal studies.

12. Ecological Information

Fish

Information on: Dicamba
Acute:
Oncorhynchus mykiss/LC50 (96 h): 135 mg/l

Information on: chlorophenoxy acid
Acute:
Lepomis macrochirus/LC50: > 100 mg/l

Aquatic invertebrates

Information on: Dicamba
Acute:
Daphnia magna/EC50 (48 h): > 11.37 - < 100 mg/l

Information on: chlorophenoxy acid
Acute:
Daphnia magna/EC50 (48 h): > 100 mg/l

Aquatic plants

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

Information on: chlorophenoxy acid
Toxicity to aquatic plants:
Algae/EC50 (72 h): > 100 mg/l

Easily eliminated from water.

13. Disposal considerations

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

14. Transport Information

Reference Bill of Lading

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15. Regulatory Information

Federal Regulations

Registration status:

Crop Protection DSL, CA released / listed

Chemical DSL, CA blocked / registration status not clarified

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:

BASF NA Product Regulations

msds@basf.com

MSDS Prepared on: 2011/02/16

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