

# Safety Data Sheet

## DYVEL DSP LIQUID HERBICIDE

Revision date : 2010/08/19

Version: 1.0

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(30253360/SDS\_GEN\_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)

Synonyms:

Phenoxy and benzoic derivative herbicide mixture

### 2. Hazards Identification

Emergency overview

WARNING:

POISON.

Contains the allergen soy.

KEEP OUT OF REACH OF CHILDREN.

Causes eye irritation.

Prolonged or repeated contact may result in dermatitis.

Avoid contact with the skin, eyes and clothing.

Avoid inhalation of dusts/mists/vapours.

State of matter: liquid

Colour: amber

Odour: fish-like

Potential health effects**Irritation / corrosion:**

Irritating to eyes.

**Chronic toxicity:****Carcinogenicity:** Not carcinogenic.**Teratogenicity:** No teratogenic effects reported.**Genotoxicity:** No mutagenic effects reported.Potential environmental effects**Aquatic toxicity:**

Acutely toxic for aquatic organisms.

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### 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.

**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. Consult a physician.

**If swallowed:**

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

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### 5. Fire-Fighting Measures

Flash point:

Non-flammable.

Flammability:

not highly  
flammable

Self-ignition temperature:

not self-igniting

**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.

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### 6. Accidental release measures

**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:**

Avoid contact with skin and eyes.

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### Storage

#### **General advice:**

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

## 8. Exposure Controls and Personal Protection

#### **Advice on system design:**

Local exhaust ventilation required.

#### **Personal protective equipment**

##### **Respiratory protection:**

Breathing protection if gases/vapours are formed.

##### **Hand protection:**

Chemical resistant protective gloves (EN 374)

##### **Eye protection:**

Tightly fitting safety goggles (chemical goggles).

##### **Body protection:**

Protective coverall and/or impermeable apron and boots as necessary.

## 9. Physical and Chemical Properties

Form:	liquid		
Odour:	fish-like		
Odour threshold:	No data available.		
Colour:	amber		
pH value:	8 - 10		
Freezing point:	-5 °C		
Boiling point:	101 °C		
Vapour pressure:	approx. 23 hPa	( 20 °C)	Information applies to the solvent.
Density:	1.18 g/cm3	( 20 °C)	
Bulk density:		dropped	
Partitioning coefficient n-octanol/water (log Pow):		not applicable	
Solubility in water:		soluble	

## 10. Stability and Reactivity

#### **Conditions to avoid:**

No conditions known that should be avoided.

#### **Substances to avoid:**

No substances known that should be avoided.

#### **Hazardous reactions:**

The product is chemically stable.

#### **Decomposition products:**

Hazardous decomposition products: carbon monoxide, carbon dioxide, nitrogen oxides, amines, chlorides

#### **Oxidizing properties:**

not fire-propagating

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### 11. Toxicological information

#### Acute toxicity

##### Oral:

*Information on: 2,4-D-DMA*  
*Type of value: LD50*  
*Species: rat*  
*Value: > 1,000 mg/kg*  
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##### Inhalation:

*Information on: 2,4-D-DMA*  
*Type of value: LC50*  
*Species: rat*  
*Value: > 3.5 mg/l*  
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##### Dermal:

*Information on: 2,4-D-DMA*  
*Type of value: LD50*  
*Species: rabbit*  
*Value: > 2,000 mg/kg*  
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#### Irritation / corrosion

##### Skin:

Species: rabbit  
Result: non-irritant

##### Eye:

Species: rabbit  
Result: Severely irritating.

##### Sensitization:

Result: Non-sensitizing.

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### 12. Ecological Information

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### 13. Disposal considerations

#### Waste disposal of substance:

Dispose of in a licensed facility. Observe all local regulations.

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### 14. Transport Information

**Land transport**  
TDG

Not classified as a dangerous good under transport regulations

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### 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.

### 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.

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## 15. Regulatory Information

### Federal Regulations

#### Registration status:

Crop Protection DSL, CA released / exempt

Chemical DSL, CA released; restriction on quantity / not listed

**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.**

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## 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.

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#### MSDS Prepared by:

BASF NA Product Regulations  
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MSDS Prepared on: 2010/08/19

END OF DATA SHEET