

Safety data sheet

ACROBAT 50 WP

Revision date : 2009/04/21
Version: 2.0

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(30131681/SDS_CPA_CA/EN)

1. Substance/preparation 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)

Substance number: 000000061965
Molecular formula: C21 H22 Cl NO4
Synonyms: dimethomorph

2. Hazardous ingredients

Not WHMIS controlled.

3. Hazard identification

Potential health effects

See Product Label for additional precautionary statements.

Acute toxicity:

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

Irritation:

Not irritating to eyes and skin.

4. First-aid measures

General advice:

Remove contaminated clothing. Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.

If inhaled:

Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary.

If on skin:

Rinse skin immediately with plenty of water for 15 - 20 minutes.

If in eyes:

Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing.

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If swallowed:

Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

5. Fire-fighting measures

Flammability: not highly flammable (Directive 92/69/EEC, A.10)

Self-ignition temperature: 371 °C (Directive 92/69/EEC, A.16)

Suitable extinguishing media:

foam, dry extinguishing media, carbon dioxide, water spray

Hazards during fire-fighting:

carbon monoxide, carbon dioxide, nitrogen oxides, acid halides

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.

Further information:

Contain contaminated water/firefighting water. Do not allow to enter drains or waterways.

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. 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 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: 40 °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

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

Personal protective equipment

RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS:

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) TC23C Chemical/Mechanical type filter system to remove a combination of particles, gas and vapours.

Hand protection:

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

Eye protection:

Safety glasses with side-shields. Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures:

Wear long sleeved work shirt and long work pants in addition to other stated personal protective equipment. Work place should be equipped with a shower and an eye wash. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Form:	powder
Odour:	slight odour, sweetish
Odour threshold:	No data available.
Colour:	white
pH value:	5.2 (10 g/l, 20 °C)

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Melting point:	6.5 approx. 5	(5 %(m), 20 °C) (20 g/l, 20 °C) The substance / product decomposes therefore not determined.
Boiling point:		The product is a non-volatile solid., not applicable
Vapour pressure:		negligible
Density:	1.724 g/cm3	(20 °C) (OECD Guideline 109)
Bulk density:	approx. 281 - 345 kg/m3	
Partitioning coefficient n-octanol/water (log Pow):		not applicable
Viscosity, dynamic:		not applicable
Viscosity, kinematic:		not applicable
Solubility in water:		dispersible

10. Stability and reactivity

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.

Oxidizing properties:

Based on its structural properties the product is not classified as oxidizing.

11. Toxicological information

Acute toxicity

Oral:

LD50/rat/male/female: 2,939 mg/kg (OECD Guideline 401)

Inhalation:

LC50/rat/male/female: > 2.0 mg/l / 4 h(OECD Guideline 403)

Tested as dust aerosol.

No mortality was observed. Highest concentration available for testing.

Dermal:

LD50/rat/male/female: > 2,000 mg/kg (OECD Guideline 402)

Skin irritation:

rabbit: non-irritant (OECD Guideline 404)

Eye irritation :

rabbit: non-irritant (OECD Guideline 405)

Sensitization:

Buehler test/guinea pig: Skin sensitizing effects were not observed in animal studies. (OECD Guideline 406)

Chronic toxicity

Genetic toxicity:

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Information on: dimethomorph
No mutagenic effect was found in various tests with microorganisms and mammals.

Other information:

Misuse can be harmful to health.

12. Ecological information

Environmental fate and transport

Biodegradation:

Evaluation: Moderately/partially biodegradable.

Information on: dimethomorph

Test method: OECD Guideline 302 C, activated sludge, adapted

Degree of elimination: 27 %

Evaluation: Moderately/partially biodegradable.

Information on: dimethomorph

No significant accumulation in organisms is expected as a result of the distribution coefficient of n-octanol/water (log Pow).

Environmental toxicity

Acute and prolonged toxicity to fish:

OECD Guideline 203 static

Rainbow trout/LC50 (96 h): 15.3 mg/l

Acute toxicity to aquatic invertebrates:

OECD Guideline 202, part 1 static

Daphnia magna/EC50 (48 h): 14.2 mg/l

Toxicity to aquatic plants:

OECD Guideline 201 static

green algae/EC50 (72 h): > 100 mg/l

OECD guideline 221 static

swollen duckweed/EC50 (7 d): > 100 mg/l

13. Disposal considerations

Waste disposal of substance:

See product label for disposal and recycling instructions.

14. Transport information

Reference Bill of Lading

15. Regulatory information

Federal Regulations

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Registration status:

DSL, CA

released / exempt

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

Refer to product label for EPA registration number.

Local contact information

BASF Canada Product Safety
prod_reg@basf.com

END OF DATA SHEET