

Safety data sheet

ACROBAT* MZ WG, A

Revision date : 2006/07/14
Version : 1.0

Page : 1/5
(30128228/MDS_GEN_CA/EN)

1. Substance/preparation and company identification

Company
BASF CANADA
100 Milverton Drive
Mississauga, ON L5R 4H1

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

Molecular formula: C₂₁H₂₂ClNO₄; C₃₆H₅₄N₁₈S₃₆Zn(Mn)₉
PCP #24546
Synonyms: Dimethomorph and Mancozeb (Maneb-zinc), AC 336,379; BAS 550 F

2. Hazardous ingredients

Not WHMIS controlled.

3. Hazard identification

Potential health effects

Acute toxicity:
Harmful in contact with skin and if swallowed.

Irritation:
Not irritating to eyes and skin.
Information on: Mancozeb
Irritating to respiratory system.

Sensitization:
Danger of skin sensitization on repeated contact.

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. Remove contaminated clothing. 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.

Safety data sheet

ACROBAT* MZ WG, A

Revision date : 2006/07/14

Version : 1.0

Page : 2/5

(30128228/MDS_GEN_CA/EN)

If swallowed

Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

5. Fire-fighting measures

Flash point:

Not applicable

Suitable extinguishing media:

water fog, foam, dry extinguishing media

Hazards during fire-fighting:

Sulphur dioxide, hydrogen sulphide, carbon monoxide, Hydrogen chloride, carbon bisulphide, nitrogen oxides

The substances/groups of substances mentioned can be released in case of 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:

Avoid contact with the skin, eyes and clothing. Use personal protective clothing. Avoid dust formation.

Environmental precautions:

Do not discharge into drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

Cleanup :

Dike spillage. Pick up with inert absorbent material (e.g. sand, earth etc.). Place absorbed material and the spilled substance/product in separate containers for disposal. Sweep solid into a drum for re-use or disposal.

7. Handling and storage

Handling

Protection against fire and explosion :

Dust can form an explosive mixture with air.

Storage

Storage incompatibility:

General: Segregate from foodstuffs.

Storage stability :

Storage duration: 24 Months

Keep container tightly closed and dry.

Temperature tolerance

Protect from temperatures above: 30 °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

Safety data sheet

ACROBAT* MZ WG, A

Revision date : 2006/07/14

Version : 1.0

Page : 3/5

(30128228/MDS_GEN_CA/EN)

Personal protective equipment

Respiratory protection:

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

Hand protection:

Chemical resistant protective gloves, Suitable materials, nitrile rubber (Buna N), chloroprene rubber (Neoprene)

Eye protection :

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

General safety and hygiene measures:

Avoid inhalation of dust. Wash soiled clothing immediately.

9. Physical and chemical properties

Form	powder	
Odour:	sulfur-like, mild	
Odour threshold:	No data available.	
Colour:	beige	
Vapour pressure		Not applicable
Solubility in water :		dispersible

10. Stability and reactivity

Dust explosion class:

Dust explosion class 1 (Kst-value >0 up to 200 bar m s-1) (St 1)

Conditions to avoid :

Temperature > 30 degrees Celsius

Avoid humidity.

Substances to avoid:

acids, oxidizing agent, organic compounds

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.

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

11. Toxicological information

Acute toxicity

Oral:

LD50/rat: 1,971 mg/kg

Inhalation:

LC50/rat: > 3.2 mg/l / 4 h

Safety data sheet

ACROBAT* MZ WG, A

Revision date : 2006/07/14

Version : 1.0

Page : 4/5

(30128228/MDS_GEN_CA/EN)

Dermal:

LD50/rat: > 2,000 mg/kg

Skin irritation:

rabbit: Nonirritating. (Primary skin irritation test)

Eye irritation :

rabbit: Nonirritating.

12. Ecological information

Information on: dimethomorph

Information on: Mancozeb

Evaluation

Not readily biodegradable (by OECD criteria).

Evaluation

Not readily biodegradable (by OECD criteria).

Environmental toxicity

Acute and prolonged toxicity to fish:

Rainbow trout/LC50 (96 h): 1.48 mg/l

Acute toxicity to aquatic invertebrates:

Daphnia magna/EC50 (48 h): > 1.1 mg/l

Toxicity to aquatic plants :

green algae/EC50 (72 h): 17,3 µg/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

Sea transport

IMDG

Proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(contains MANCOZEB 60%, DIMETHOMORPH 9%)

Hazard class:

9

ID number:

UN 3077

Packing group:

III

Marine pollutant:

YES

Safety data sheet

ACROBAT* MZ WG, A

Revision date : 2006/07/14
Version : 1.0

Page : 5/5
(30128228/MDS_GEN_CA/EN)

Air transport *IATA/ICAO*

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
contains (MANCOZEB 60%, DIMETHOMORPH 9%)
Hazard class: 9
ID number: UN 3077
Packing group: III

15. Regulatory information

Federal Regulations

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
289-360-1300

ACROBAT is a registered trademark of BASF Canada or BASF AG
END OF DATA SHEET