

Safety data sheet

Cyclanon® ECO

Revision date : 2009/06/11
Version: 2.0

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(30052373/SDS_TEX_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)

Chemical family: sulfinic acid derivative, in water
Synonyms: Sulfinic acid derivative

2. Hazardous ingredients

Not WHMIS controlled.

3. Hazard identification

Emergency overview

NO PARTICULAR HAZARDS KNOWN.

Potential health effects

Acute toxicity:

Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact.

Irritation:

Not irritating to eyes and skin.

4. First-aid measures

General advice:

Remove contaminated clothing.

If inhaled:

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

If on skin:

Wash thoroughly with soap and water.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

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If swallowed:

Rinse mouth and then drink plenty of water.

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-fighting measures

Flash point: > 100 °C (DIN 51758)
Autoignition: > 200 °C (DIN 51794)

Suitable extinguishing media:

water, dry extinguishing media, foam

Hazards during fire-fighting:

harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

Personal precautions:

Use personal protective clothing.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Cleanup:

Place absorbed material in the same container as the spilled substance/product for disposal.

For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbed material in accordance with regulations.

For large amounts: Pump off product.

7. Handling and storage

Handling

General advice:

No special measures necessary provided product is used correctly.

Protection against fire and explosion:

Take precautionary measures against static discharges.

Storage

General advice:

Keep container tightly closed. Keep in a cool place.

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8. Exposure controls and personal protection

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Respiratory protection in case of vapour/aerosol release.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Safety glasses with side-shields.

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Wash soiled clothing immediately.

9. Physical and chemical properties

Form:	liquid	
Odour:	product specific	
Odour threshold:	No data available.	
Colour:	yellow	
pH value:	9.4 - 11.4	(50 g/l, 20 °C)
solidification temperature:	< 0 °C	(1,013 hPa)
boiling temperature:	approx. 104 °C	
Density:	1.35 - 1.4 g/cm ³	(20 °C)
Solubility in water:		dispersible
Miscibility with water:		(20 °C) miscible in all proportions

10. Stability and reactivity

Substances to avoid:

acids, oxidizing agents
strong acids, oxidizing agents

Hazardous reactions:

No hazardous reactions when stored and handled according to instructions.

Decomposition products:

Hazardous decomposition products: Sulphur dioxide

11. Toxicological information

Acute toxicity

Oral:

LD50/rat: > 2,000 mg/kg

Dermal:

LD50/rat: > 4,000 mg/kg (OECD Guideline 402)

Skin irritation:

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rabbit: non-irritant (BASF-Test)

Eye irritation :

rabbit: non-irritant (OECD Guideline 405)

12. Ecological information

Environmental fate and transport

Biodegradation:

Test method: OECD 301 A (new version)
Method of analysis: DOC reduction
Degree of elimination: > 70 % (28.000000 d)
Evaluation: Biodegradable.

Chemical oxygen demand (COD):

260 mg/g

Biochemical oxygen demand (BOD):

Incubation period 5.0 d: 32 mg/g

Environmental toxicity

Acute and prolonged toxicity to fish:

Rainbow trout/LC50: > 100 mg/l

Acute toxicity to aquatic invertebrates:

Daphnia magna/EC50 (48 h): > 100 mg/l

Toxicity to aquatic plants:

EC50 (96 h): > 100 mg/l

Toxicity to microorganisms:

Directive 88/302/EEC, part C, p. 118 EC20: > 2,000 mg/l

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

Other ecotoxicological advice:

Do not release untreated into natural waters.

13. Disposal considerations

Waste disposal of substance:

Must be dumped or incinerated in accordance with local regulations.

Container disposal:

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

14. Transport information

Land transport

TDG

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Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory information

Federal Regulations

Registration status:

DSL, CA

released; restriction on quantity / not listed

Not WHMIS controlled.

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

prod_reg@basf.com

Cyclanon END OF DATA SHEET