

Safety data sheet

Decrolin®

Revision date : 2008/12/02
Version: 1.0

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(30046260/MDS_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)

Molecular weight: 255.59 g/mol

2. Hazardous ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Hazardous ingredients</u>
24887-06-7	60.0 - 100.0 %	Zinc, bis[(hydroxy-.kappa.O)methanesulfinato-.kappa.O]-, (T-4)-

3. Hazard identification

Emergency overview

IRRITANT. Irritating to eyes.
Harmful if swallowed.

Potential health effects

Acute toxicity:

Of moderate toxicity after single ingestion.

Irritation:

Irritating to eyes. Not irritating to the skin.

Sensitization:

No data was available concerning sensitizing properties. The chemical structure does not suggest such an effect.

Potential environmental effects

Aquatic toxicity:

Acutely harmful for aquatic organisms.

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

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4. First-aid measures

General advice:

Remove contaminated clothing.

If inhaled:

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

If on skin:

Wash thoroughly with soap and water.

If in eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed:

Rinse mouth thoroughly with water, seek medical attention.

Note to physician

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

5. Fire-fighting measures

Flash point: not applicable

Flammability: not self-igniting

Suitable extinguishing media:

dry extinguishing media, foam

Unsuitable extinguishing media for safety reasons:

carbon dioxide

Additional information:

Avoid whirling up the material/product because of the danger of dust explosion.

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:

Avoid dust formation. Use personal protective clothing.

Environmental precautions:

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

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Cleanup:

Avoid raising dust.

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Contain with dust binding material and dispose of.

7. Handling and storage

Handling

General advice:

Breathing must be protected when large quantities are decanted without local exhaust ventilation.

Protection against fire and explosion:

Avoid dust formation. Take precautionary measures against static discharges.

Storage

General advice:

Keep container tightly closed and dry; store in a cool place.

Avoid all sources of ignition: heat, sparks, open flame.

8. Exposure controls and personal protection

Personal protective equipment

Respiratory protection:

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

Hand protection:

Chemical resistant protective gloves

Eye protection:

Tightly fitting safety goggles (chemical goggles).

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:	powder	
Odour:	product specific	
Odour threshold:	No data available.	
Colour:	white	
pH value:	3.5 - 5.2	(100 g/l, 20 °C)
Melting temperature:	approx. 150 °C	The substance / product decomposes.
Density:	2.27 g/cm ³	(20 °C)
Bulk density:	1,100 - 1,400 kg/m ³	
Partitioning coefficient n-octanol/water (log Pow):	< -3.0	(calculated)
Solubility in water:	500 g/l	(20 °C)

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10. Stability and reactivity

Conditions to avoid:

Avoid extreme heat.

Substances to avoid:

acids, oxidizing agents

Hazardous reactions:

The product may contain explosive fine dust or such dust may be produced by abrasion during transport or product transfer.

Decomposition products:

Hazardous decomposition products: sulfur oxides

11. Toxicological information

Acute toxicity

Oral:

LD50/rat: 1,280 mg/kg

Skin irritation:

rabbit: non-irritant (OECD Guideline 404)

eye irritation :

rabbit: Irritant. (OECD Guideline 405)

Chronic toxicity

Genetic toxicity:

Mutagenic properties can not be excluded on the basis of experimental data.

The substance was mutagenic in studies with mammals.

The product has not been tested. The statement has been derived from products of a similar structure and composition.

Reproductive toxicity:

The results of a more recent animal study gave no evidence that the substance impairs fertility.

The product has not been tested. The statement has been derived from products of a similar structure and composition.

Developmental toxicity/teratogenicity:

The results of a more recent animal study gave no evidence that the substance causes a developmental toxicity.

The product has not been tested. The statement has been derived from products of a similar structure and composition.

12. Ecological information

Environmental fate and transport

Biodegradation:

Test method: OECD 303A; ISO 11733; 92/69 EEC,V, C.10

Method of analysis: Specific analysis

Degree of elimination: > 70 %

Evaluation: Easily eliminated from water.

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Bioaccumulation:

Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is not to be expected.

Chemical oxygen demand (COD):

405 mg/g

Adsorbable organically-bound halogen (AOX):

This product contains no organically-bound halogen.

Environmental toxicity

Acute toxicity to aquatic invertebrates:

EC50 (24 h): 12 mg/l

Toxicity to aquatic plants:

OECD Guideline 201 green algae/EC50 (72 h): > 100 mg/l

Toxicity to microorganisms:

DEV-L2 : > 100 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.

Other adverse effects

The product contains: 23 (W/W) % zinc

13. Disposal considerations

Waste disposal of substance:

Must be dumped or incinerated in accordance with local regulations.

Container disposal:

The packaging must not be re-used. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

14. Transport information

Land transport

TDG

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

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Air transport

IATA/ICAO

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Not classified as a dangerous good under transport regulations

15. Regulatory information

Federal Regulations

Registration status:

DSL, CA

released / listed

WHMIS classification: D2B: Materials Causing Other Toxic Effects - Toxic material



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

Decrolin END OF DATA SHEET