



MATERIAL SAFETY DATA SHEET

CASORON G-2

Version: 1.4
Date of Issue: 10/08/2009
Date printed: 12/10/2009

1. Product and Company identification

Product name : CASORON G-2

Chemical name: Agricultural herbicide

Use of substance/preparation: Herbicide

Supplier: Chemtura Canada Co./Cie
25 ERB STREET
Elmira, Ontario N3B 3A3 Canada

Manufacturer: Chemtura Canada Co./Cie
25 ERB STREET
Elmira, Ontario N3B 3A3 Canada

Emergency telephone number: 866-744-3060 (Canada 24 hours)
CANUTEC (24 hours) 613-996-6666 (call collect)

Environmental, Health and Safety Department: 866-430-2775

Prepared by Product Safety Department Date of Issue: 10/08/2009
(US) +1 866-430-2775
(EU) +44 (0) 1753.603.000
Email: MSDSRequest@chemtura.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

NORMAL PRECAUTIONS COMMON TO SAFE MANUFACTURING PRACTICE SHOULD BE FOLLOWED IN HANDLING AND STORAGE.
HARMFUL TO AQUATIC ORGANISMS.
AVOID DISPERSION OF DUST IN AIR TO REDUCE POTENTIAL FOR DUST IGNITION/EXPLOSIONS.
MAY CAUSE EYE AND SKIN IRRITATION.
INHALATION OF DUSTS FROM THIS PRODUCT MAY CAUSE IRRITATION OF EYES, NOSE, THROAT AND RESPIRATORY SYSTEM.
SEE SECTION 11 FOR INFORMATION ON CHRONIC HEALTH EFFECTS.

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	% BY WEIGHT
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2,6-Dichlorobenzonitrile CAS# 1194-65-6	2
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WHMIS CLASSIFICATION

This product is registered under the Pest Control Products Act and is therefore exempt from WHMIS supplier labeling and MSDS requirements. Please read entire MSDS and product label for safety precautions.

CPR Compliance

This product has been classified with the hazard criteria of the CPR, and the MSDS contains all the information required by CPR.

4. FIRST AID MEASURES

Swallowing

If patient is fully conscious, give two glasses of water. Do not induce vomiting unless told to do so by the poison control center or doctor. Obtain medical attention immediately. Do not give milk, oily products, fat or alcohol. Do not give anything by mouth to an unconscious person.

Inhalation

Remove to fresh air. Give artificial respiration if not breathing. Obtain medical attention.

Skin contact

Wash skin with soap and water. Remove contaminated clothing. Wash clothing before re-use. Obtain medical attention if irritation persists.

Eye contact

Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention.

Notes to physician

ROUTES OF ENTRY:

Skin

Eyes

Ingestion

Inhalation

5. FIRE-FIGHTING MEASURES

Hazardous combustion products

Burning can produce the following combustion products:

Oxides of carbon.

Oxides of nitrogen.

Oxides of sulfur.

Special fire fighting procedures

Do not discharge extinguishing waters into streams, rivers and lakes.

Special protective equipment for firefighters

Body covering protective clothing, full "turn-out" gear.

Self-contained breathing apparatus.

Extinguishing media

Suitable:

Large fires:

- alcohol-type foam or universal-type foams

Small fires:

- CO₂

- dry chemical

- water spray

Unsuitable:

- water jets

Unusual fire and explosion hazards

Avoid dispersion of dust in air to reduce potential for dust ignition/explosions.

6. ACCIDENTAL RELEASE MEASURES



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Personal precautions

Wear suitable protective equipment., Avoid contact with eyes and skin.

Environmental precautions

Prevent from entering sewer system, surface water or soil.

Methods for cleaning up

Sweep up and collect in a suitable container for disposal.

Avoid dust formation.

Observe government regulations.

7. HANDLING AND STORAGE

HANDLING

Handling precautions

Do not get in eyes, on skin, on clothing., Do not swallow., Avoid dispersion of dust to reduce fire and explosion potential., Do not eat, drink or smoke when handling.

Other precautions

If fine dust is formed from this product, avoid dispersion of dust in air to reduce fire and explosion hazard. Do not store near food, feed or fertilizers. Do not contaminate ponds, lakes, streams, or any source of water.

STORAGE

Storage requirements

Store in a cool, dry place., Keep container closed., Store in original containers away from incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

Consult local authorities for acceptable provincial values.

PERSONAL PROTECTION

Respiratory protection

In the absence of engineering controls sufficient to maintain airborne concentrations below recommended occupational exposure limit values, appropriate respiratory protection should be utilized., The determination of appropriate respiratory protection is best performed, on a case by case basis, taking into consideration the exposure conditions of the particular operation., Use an approved full-face air-purifying respirator. For emergency and other conditions where the exposure limit may be greatly exceeded, use an approved positive-pressure self-contained breathing apparatus., The respirator manufacturer should be consulted to ensure that the air-purifying cartridges utilized will provide adequate protection for the exposure conditions and period of wear concerned.

Hand protection / protective gloves

Chemical resistant protective gloves

Eye protection

Wear suitable eye protection., Safety glasses with side shields., Face shield or chemical splash goggles in case of splashing.

Skin protection

Wear protective clothing, such as long sleeves to minimize skin contact.

ENGINEERING CONTROLS

Ventilation

Apply local exhaust ventilation at points of dust generation.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state	Granular solid
Color	Tan

(M)SDS# 000000035227



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Odor Characteristic
Odor threshold Not available

OTHER PROPERTIES

Boiling point Not applicable
Melting point Not available
Solidification Not available
pH Not available
Specific gravity (H₂O=1) Not available
Density Not available
Vapor pressure
Solubility in water Not available
Solubility in organic solvents Slightly soluble
Partitioning coefficient Not available
Flash point Not available
Autoignition temperature 579 °C
Upper explosion limits Not available
Lower explosion limits Not available
Percent volatiles Not available

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Stability - Conditions to avoid:
Avoid dust formation.

Incompatible materials:
Strong alkalis.
Strong oxidizing agents.

Hazardous reactions: Dichlobenil may hydrolyze to 2,6-dichlorobenzamide in alkaline/alcoholic solutions.

Hazardous combustion products:
Burning can produce the following combustion products:
Oxides of carbon.
Oxides of nitrogen.
Oxides of sulfur.

Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

SWALLOWING

Test results

Acute toxicity: LD50 Rat

(M)SDS# 000000035227



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Result: > 5,000 mg/kg

SKIN ABSORPTION

Test results

Acute toxicity: LD50 - Rabbit
Result: > 5,000 mg/kg

INHALATION

Test results

Acute toxicity: LC50 - Rat
Result: > 5.3 mg/l
Exposure time: 4 h

SKIN CONTACT

Test results

Skin irritation: Species: Rabbit
Result: Mild irritation

EYE CONTACT

Test results

Eye irritation: Species: Rabbit
Result: Mild irritation

SENSITIZATION

Test results: Species: - Guinea pigs
Remark: No data available.

12. ECOLOGICAL INFORMATION

<u>Component ecotoxicology</u> 2,6-Dichlorobenzonitrile <u>Acute toxicity fish:</u>	LC50 - Result: 4.93 - 12.7 mg/l Exposure time: 96 h
<u>Component ecotoxicology</u> 2,6-Dichlorobenzonitrile <u>Acute toxicity fish:</u>	LC50 - Fathead minnow (Pimephales promelas) Result: 6 ppm Exposure time: 96 h
<u>Component ecotoxicology</u> 2,6-Dichlorobenzonitrile <u>Acute toxicity fish:</u>	LC50 - Rainbow trout (Oncorhynchus mykiss) Result: 6.3 ppm Exposure time: 96 h
<u>Component ecotoxicology</u> 2,6-Dichlorobenzonitrile <u>Acute toxicity fish:</u>	LC50 - Bluegill (Lepomis macrochirus) Result: 8.3 ppm Exposure time: 96 h
<u>Component ecotoxicology</u> 2,6-Dichlorobenzonitrile <u>Acute toxicity fish:</u>	LC50 - Sheepshead minnow (Cyprinodon variegatus): Result: 12.7 ppm Exposure time: 96 h
<u>Component ecotoxicology</u> 2,6-Dichlorobenzonitrile <u>Chronic toxicity fish:</u>	- Rainbow trout (Oncorhynchus mykiss) Result: 0.7 ppm Early Life Stage MATC



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<u>Component ecotoxicology</u> 2,6-Dichlorobenzonitrile <u>Aquatic toxicity to plants:</u>	IC50 - Algae Result: 2 - 2.7 mg/l Exposure time: 72 h
<u>Component ecotoxicology</u> 2,6-Dichlorobenzonitrile <u>Acute toxicity to aquatic invertebrates:</u>	EC50 - Water flea (Daphnia magna) Result: 6.2 mg/l Exposure time: 48 h
<u>Component ecotoxicology</u> 2,6-Dichlorobenzonitrile <u>Acute toxicity to aquatic invertebrates:</u>	LC50 - Mysid shrimp (Mysis litoralis) Result: 2.35 ppm Exposure time: 96 h
<u>Component ecotoxicology</u> 2,6-Dichlorobenzonitrile <u>Chronic toxicity to aquatic invertebrates:</u>	- - Water flea (Daphnia magna) Result: 1.5 ppm Life Cycle MATC
<u>Component ecotoxicology</u> 2,6-Dichlorobenzonitrile <u>Chronic toxicity to aquatic invertebrates:</u>	- EC50 - Eastern Oyster (Crassostrea virginica) Result: 1.92 ppm Shell Desposition Exposure time: 4 d

13. DISPOSAL CONSIDERATIONS

General: Do not discharge to sewers and natural waters., Incinerate in a furnace where permitted under appropriate Federal, State, and local regulations. Do not discharge to sewers and natural waters., Incinerate in a furnace where permitted under appropriate federal, provincial, and local regulations.

14. TRANSPORT INFORMATION

TDG - Canada

This product is not regulated by TDG.

IMDG Classification

This product is not regulated by IMDG.

ICAO/IATA Classification

This product is not regulated by ICAO.

15. REGULATORY INFORMATION

WHMIS CLASSIFICATION

This product is registered under the Pest Control Products Act and is therefore exempt from WHMIS supplier labeling and MSDS requirements. Please read entire MSDS and product label for safety precautions.

CPR Compliance

This product has been classified with the hazard criteria of the CPR, and the MSDS contains all the information required by CPR.

CHEMICAL INVENTORY

Canada: All substances in this product are exempt from the DSL as this product is registered under the Pest Control Products Act., PCP# 20377

(M)SDS# 000000035227



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16. OTHER INFORMATION

STP	Standard temperature and pressure
W/W	Weight/Weight

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