



MATERIAL SAFETY DATA SHEET

CASORON® 4G

Version: 1.5
Date of Issue: 09/12/2008
Date printed: 01/24/2009

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : CASORON® 4G

Chemical name: Dichlobenil

Use of substance/preparation: Herbicide

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

Manufacturer: Chemtura Corporation
199 Benson Road
Middlebury, CT 06749 USA

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: 09/12/2008
(US) +1 866-430-2775
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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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	% BY WEIGHT
2,6-Dichlorobenzonitrile CAS# 1194-65-6	4

Ingredients not precisely identified are non-hazardous and/or proprietary.



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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

Irritating fumes.
Oxides of carbon.
Oxides of nitrogen.

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:

- CO2
- dry powder
- foam
- water fog

Unsuitable: - water spray

Unusual fire and explosion hazards

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear suitable protective equipment.



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Environmental precautions

Prevent from entering sewer system, surface water or soil., May be harmful to aquatic life.

Methods for cleaning up

Sweep up and collect in a suitable container for disposal.

7. HANDLING AND STORAGE

HANDLING

Handling precautions

Avoid dust formation., Use only with adequate ventilation.

Other precautions

NOTE TO END-USERS: The employee protection recommendations on this MSDS may differ from those on the product label. For normal use of this product, always refer to the personal protective equipment requirements on the product label.

STORAGE

Storage requirements

Store in a cool, dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

Consult local authorities for acceptable provincial values.

PERSONAL PROTECTION

Respiratory protection

In case of occurrence of dust respiratory protective equipment required.

Hand protection / protective gloves

Chemical resistant protective gloves

Eye protection

Safety glasses with side shields.

Skin protection

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

ENGINEERING CONTROLS

Ventilation

Local exhaust suggested to prevent dust buildup.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state	Granular solid
Color	Gray
Odor	Aromatic
Odor threshold	Not available

OTHER PROPERTIES

Boiling point	Not applicable
Melting point	Not available



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pH	Not applicable
Specific gravity (H2O=1)	Not available
Density	Not available
Bulk density	528.6 kg/m3
Vapor pressure	
Solubility in water	Not available
Solubility in organic solvents	Slightly soluble
Flash point	Not applicable
Autoignition temperature	> 400 °C
Upper explosion limits	Not available
Lower explosion limits	Not applicable
Percent volatiles	Not available
Explosive properties	Not applicable

10. STABILITY AND REACTIVITY

Stability: This product is stable under normal storage and handling conditions.

Incompatible materials:

Oxidizing agents.
Strong acids.
Strong bases.

Hazardous combustion products:

Irritating fumes.
Oxides of carbon.
Oxides of nitrogen.

Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

SWALLOWING

Test results

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

SKIN ABSORPTION

Test results

Acute toxicity: LD50 - Rabbit
Result: > 2,000 mg/kg

INHALATION



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Test results
Acute toxicity: Remark: Not applicable

SKIN CONTACT
Test results
Skin irritation: Species: Rabbit
Classification: Not irritant

EYE CONTACT
Test results
Eye irritation: Species: Rabbit
Classification: Not irritant

SENSITIZATION
Test results: Remark: Non sensitizing.

MUTAGENICITY
Assessment: Negative

CARCINOGENICITY
Assessment: Negative

TOXICITY TO REPRODUCTION/FERTILITY
Assessment: Negative

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY

Acute toxicity fish: - LC50 -
Result: 317 mg/l
Exposure time: 96 h

Aquatic toxicity to plants: - IC50 - Algae
Result: 50 mg/l
Exposure time: 72 h

Acute toxicity to aquatic invertebrates: - EC50 - Water flea (Daphnia magna)
Result: 155 mg/l
Exposure time: 48 h

13. DISPOSAL CONSIDERATIONS

General: Dispose of waste material in compliance with all federal, provincial and local regulations., Do not discharge to sewers and natural waters.

14. TRANSPORT INFORMATION

TDG - Canada
This product is not regulated by TDG.



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IMDG Classification

This product is not regulated by IMDG.

ICAO/IATA Classification

This product is not regulated by ICAO.

15. REGULATORY INFORMATION

WHMIS CLASSIFICATION

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CPR Compliance

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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# 12533, 23767
Europe: The ingredients of this product are on the EINECS inventory.
United States: This product is subject to regulation under the US Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) and is therefore exempt from TSCA Inventory listing requirements.
Australia: The ingredients of this product are on the AICS inventory.
China: The ingredients of this product are on the IECSC inventory.
Japan: The ingredients of this product are on the ENCS inventory.
Korea: The ingredients of this product are on the ECL.
Philippines: The ingredients of this product are on the PICCS.

16. OTHER INFORMATION

STP	Standard temperature and pressure
W/W	Weight/Weight

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