



MATERIAL SAFETY DATA SHEET

CASORON® G4

Version: 1.2
Date of Issue: 01/03/2007
Date printed: 01/04/2007

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : CASORON® G4

Chemical name: Dichlobenil

Use of substance/preparation: Herbicide

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

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

Prepared by : CHEMTURA Product Safety Department 866-430-2775 Date of Issue: 01/03/2007

Emergency telephone number: 866-744-3060 (Canada)
CANUTEC (24 hours) 613-996-6666
For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

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

2. 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.

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.

3. 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.



MATERIAL SAFETY DATA SHEET

CASORON® G4

Version: 1.2
Date of Issue: 01/03/2007
Date printed: 01/04/2007

MAY CAUSE EYE AND SKIN IRRITATION.
INDIVIDUALS INVOLVED IN THE MANUFACTURE OF BETHOXAZIN HAVE REPORTED SEVERE IRRITATION OF THE SKIN AND MUCOUS MEMBRANES
SEE SECTION 11 FOR INFORMATION ON CHRONIC HEALTH EFFECTS.

4. FIRST AID MEASURES

Swallowing

If patient is fully conscious, give two glasses of water. Induce vomiting. 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.

Environmental precautions

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



MATERIAL SAFETY DATA SHEET

CASORON® G4

Version: 1.2
Date of Issue: 01/03/2007
Date printed: 01/04/2007

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.

STORAGE

Storage requirements

Store in a cool, dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

Consult local authorities for acceptable provincial values.No other exposure limits have been established

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
pH	Not applicable
Specific gravity (H2O=1)	Not available
Density	Not available
Bulk density	1,200 kg/m3
Vapor pressure	



MATERIAL SAFETY DATA SHEET

CASORON® G4

Version: 1.2
Date of Issue: 01/03/2007
Date printed: 01/04/2007

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

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.



MATERIAL SAFETY DATA SHEET

CASORON® G4

Version: 1.2
Date of Issue: 01/03/2007
Date printed: 01/04/2007

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., Avoid discharge to sewers and natural waters.

14. TRANSPORT INFORMATION

TDG - Canada

This product is not regulated by TDG.

IMDG Classification

This product is not regulated by IMDG.

ICAO 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.



MATERIAL SAFETY DATA SHEET

CASORON® G4

Version: 1.2
Date of Issue: 01/03/2007
Date printed: 01/04/2007

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.

EPA

16. OTHER INFORMATION

FURTHER INFORMATION

MAY BE ON THE INVENTORY LIST BUT NOT NECESSARILY REGISTERED, (Korea, China, New Zealand) CONSULT REGULATORY SPECIALIST.

STP	Standard temperature and pressure
W/W	Weight/Weight

Copyright 2006 Chemtura Canada Co./Cie

THE OPINIONS EXPRESSED HEREIN ARE THOSE OF QUALIFIED EXPERTS WITHIN CHEMTURA CORPORATION. WE BELIEVE THAT THE INFORMATION CONTAINED HEREIN IS CURRENT AS OF THE DATE OF THIS SAFETY DATA SHEET. SINCE THE USE OF THIS INFORMATION AND OF THESE OPINIONS AND THE CONDITIONS OF USE OF THIS PRODUCT ARE NOT WITHIN THE CONTROL OF CHEMTURA CORPORATION, IT IS THE USER'S OBLIGATION TO DETERMINE THE CONDITIONS OF SAFE USE OF THE PRODUCTS.