

## TRANSPORTATION EMERGENCY

CHEMTREC: .....(800)-424-9300

## EMERGENCY AND PRODUCT INFORMATION

OHP, Inc.: .....(800)-356-4647

# Casoron® 4G

**EPA Registration Number: 400-168-59807**

## I. PRODUCT AND COMPANY IDENTIFICATION

**Product name** ..... CASORON® 4G

**Chemical name** ..... Dichlobenil

**Use of substance/preparation** .. Herbicide

## II. COMPOSITION / INFORMATION ON INGREDIENTS

### INGREDIENT % BY WEIGHT

2,6-Dichlorobenzonitrile	4
CAS# 1194-65-6	

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

## III. 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.

INDIVIDUALS INVOLVED IN THE MANUFACTURE OF BETHOXAZIN HAVE REPORTED SEVERE IRRITATION OF THE SKIN AND MUCOUS MEMBRANES

SEE SECTION XI FOR INFORMATION ON CHRONIC HEALTH EFFECTS.

## IV. FIRST AID MEASURES

**Swallowing** .....: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**Inhalation** .....: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**Skin contact** .....: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

**Eye contact** .....: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

### Notes to physician

ROUTES OF ENTRY .....: Skin  
Eyes  
Ingestion  
Inhalation

## V. FIRE-FIGHTING MEASURES

### Flammable limits

**Lower limit** .....: Not applicable

**Upper limit** .....: Not available

**Autoignition temperature** ..: > 400 °C

### 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.

## VI. 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.

## VII. 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.

## VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE LIMIT 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.

## IX. 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** . . . . . (H<sub>2</sub>O=1) Not available

**Density** . . . . . Not available

**Bulk density** . . . . . 1.2 kg/m<sup>3</sup>

**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

## X. 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.

## XI. TOXICOLOGICAL INFORMATION

### SWALLOWING

Test results

Acute toxicity: LD<sub>50</sub> Rat

Result: > 5,000 mg/kg

### SKIN ABSORPTION

Test results

Acute toxicity: LD<sub>50</sub> - 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.

### MUTAGENICITY

Assessment: Negative

### CARCINOGENICITY

Assessment: Negative

### TOXICITY TO REPRODUCTION/FERTILITY

Assessment: Negative

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### XII. 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

### XIII. DISPOSAL CONSIDERATIONS

**General** .....: Dispose of in accordance with appropriate Federal, State, and local regulations., Avoid discharge to sewers and natural waters.  
**Non-cleaned packages** .....: Empty drums should be decontaminated and either passed to an approved drum reconditioner or destroyed. Containers that cannot be cleaned must be treated as waste.

### XIV. TRANSPORT INFORMATION

#### DOT Classification

This product is not regulated by DOT.

#### IMDG Classification

This product is not regulated by IMDG.

#### ICAO Classification

This product is not regulated by ICAO.

### XV. REGULATORY INFORMATION

Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40CFR302.4.

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDS's that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are:

Chemical name	CAS#	Max weight %
2,6-Dichlorobenzonitrile	1194-65-6	4.00

New Jersey Worker and Community Right-To-Know Act  
(Labeling Requirements)

New Jersey TS

Chemical name	CAS#	Number
2,6-Dichlorobenzonitrile	1194-65-6	
<b>Thickening Agent</b>	Trade secret	CHEM900
<b>Proprietary Carrier</b>	Trade secret	CHEM901
<b>Water</b>	7732-18-5	

#### 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.

### XVI. OTHER INFORMATION

#### RECOMMENDED USES AND RESTRICTIONS: NOTE TO

**END-USERS:** This MSDS is being provided to all interested persons in accordance with federal and state right-to-know laws. Precautionary Statements, First Aid Statements and Directions for Use of this product by end-users are contained on the product label and must be followed at all times.

#### FURTHER INFORMATION

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

#### HMIS RATING

Health: 2 Flammability: 3 (DUST) Reactivity: 0 PPI: X

#### STP Standard temperature and pressure

W/W Weight/Weight  
0 (HMIS)  
1 (HMIS) Slight hazard  
2 (HMIS) Moderate hazard  
3 (HMIS) Serious hazard  
4 (HMIS) Severe hazard  
X (HMIS) Personal protection rating to be supplied by user depending on use conditions

THE OPINIONS EXPRESSED HEREIN ARE THOSE OF QUALIFIED EXPERTS WITHIN CHEMTURA CORPORATION. WE

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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.

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