

CASORON 4G

EPA Registration Number: 70506-519-59807

**1. IDENTIFICATION OF THE SUBSTANCE/
PREPARATION AND OF THE COMPANY/
UNDERTAKING**

Identification of the product
Product Description: CASORON 4G

Other means of identification
Internal SDS code: 12A-0019
Registration number(s): 70506-519

**Recommended use of the chemical
and restrictions on use**
Recommended use: Herbicide
Uses advised against: Non labeled
activities

Details of the Supplier of the Safety Data Sheet
Supplier Address
UPL NA Inc.
630 Freedom Business Center
Suite 402
King of Prussia, PA 19406

Emergency Telephone Number
Company Telephone Number: 1-800-438-6071

Emergency Telephone Number:
Chemtrec: (800) 424-9300 (24hrs)
or (703) 527-3887

Medical:
Rocky Mountain Poison
and Drug Safety: (866) 673-6671 (24hrs)

2. HAZARDS IDENTIFICATION

Classification
OSHA Regulatory Status
This chemical is considered hazardous by the 2012 OSHA
Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation Category 2B

Label elements



EMERGENCY OVERVIEW
WARNING

Hazard Statements: Causes Eye Irritation
Appearance: Granule
Physical State: Solid
Odor: Sweet

Precautionary Statements - Prevention
Wash thoroughly after handling.

Precautionary Statements – Response
If in eyes: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do.
Continue rinsing.

If eye irritation persists: Get medical advice/attention.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste
disposal plant

Hazards Not Otherwise Classified (HNOC)

OTHER INFORMATION

- Not available

**3. COMPOSITION/INFORMATION ON
INGREDIENTS**

Chemical name	CAS No	Weight-%
Dichlobenil	1194-65-6	4
Earth clay	8031-18-3	80.2

If CAS number is “proprietary”, the specific chemical
identity and percentage of composition has been withheld
as a trade secret.

4. FIRST AID MEASURES

FIRST AID MEASURES

Eye ContactHold eye open and rinse slowly and
gently with water for 15-20 minutes. Remove contact lenses,
if present, after 5 minutes, then continue rinsing eye. Call a
poison control center or doctor for treatment advice.

Skin ContactTake off contaminated clothing. Rinse
skin immediately with plenty of water for 15-20 minutes.
Call a poison control center or doctor for treatment advice.

InhalationMove person to fresh air. If person is not
breathing, call 911 or an ambulance, then give artificial
respiration, preferably mouth-to-mouth if possible. Call a
physician or poison control center immediately.

IngestionCall a physician or poison control center
immediately. Clean mouth with water. Never give anything
by mouth to an unconscious person.

**Most Important Symptoms and Effects, Both Acute
and Delayed**

Most Important Symptoms and Effects:
None known.

**Indication of Any Immediate Medical Attention and
Special Treatment Needed**

Notes to physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Carbon dioxide (CO2). Foam. Dry chemical. Water spray.

Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and
spread fire.

Specific hazards arising from the chemical

Combustible material. Dust explosion characteristics vary
with the particle size, particle shape, moisture content,
contaminants, and other variables. Dust clouds generated
during handling and/or storage can form explosive mixtures
with air. Avoid creating dust.

Hazardous combustion products

Carbon oxides. Sulfur oxides. Irritating gases may be

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formed if product is involved in a fire.

Explosion data protective equipment and precautions for firefighters

Use personal protective equipment. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Avoid contact with skin and eyes. Use personal protective equipment. Avoid dust formation. Remove all sources of ignition.

Environmental Precautions

Environmental precautions Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Methods and material for containment and cleaning up

Methods for Clean-Up Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Keep out of reach of children. Avoid contact with skin, eyes and clothing. Use only in well-ventilated areas. Wash thoroughly after handling. Avoid dust formation. In case of inadequate ventilation wear respiratory protection.

Conditions for safe storage, including any incompatibilities

Storage Keep in a dry, cool and well-ventilated place. Keep away from contact with oxidizing materials. Do not store near strong acids.

Incompatible materials Strong oxidizing agents. Acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering controls Investigate engineering techniques to reduce exposures. Local mechanical exhaust ventilation is preferred. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems.

Personal protective equipment

Eye/Face Protection Use eye protection to avoid eye contact. Where there is potential for eye contact have eye flushing equipment available. If splashes are likely to occur, wear goggles.

Skin protection Long sleeved clothing. Long pants. waterproof gloves. Socks and footwear.

Respiratory protection Avoid breathing dust. Where airborne exposure is likely, use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Full facepiece equipment is recommended and, if used, replaces need for face shield and/or chemical goggles. If exposures cannot be kept at a minimum with engineering controls, consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure, use an approved full face positive-pressure, self-contained breathing apparatus. Respiratory protection programs must comply with 29 CFR 1910.134.

General hygiene considerations

Do not eat, drink or smoke when using this product. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Granule
Physical State Solid
Odor Sweet
Color Brown-Gray

Property	VALUES	Remarks/ Method
pH		None known
Melting point/ freezing point		None known
Boiling Point/ Range		None known
Flash Point	>230 F	None known
Evaporation Rate		None known
Flammability (solid, gas)		None known
Relative Density	2.97	None known
Specific gravity		None known
Bulk density		None known
Water solubility		partially miscible
Solubility in Other Solvents	Soluble	None known
Partition coefficient: n-octanol/water	None known	
Autoignition temperature	>400 °C	None known
Decomposition temperature		None known
Viscosity		None known

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Explosive properties Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard

10. STABILITY AND REACTIVITY

Reactivity no data available.

Chemical stability Stable under recommended storage conditions.

Possibility of hazardous reactions None under normal processing.

Conditions to avoid Avoid dust formation. Keep away from open flames, hot surfaces and sources of ignition.

Incompatible materials Strong oxidizing agents. Acids.

Hazardous decomposition products Carbon oxides. Nitrogen oxides (NOx). Oxides of sulfur.

11. TOXICOLOGICAL INFORMATION
Information on Likely Routes of Exposure

Product information Casoron 4G
Acute oral LD50 (rat) = >5000 mg/kg

Inhalation There is no data available for this product.

Eye contact Moderately irritating to the eyes.

Skin contact Slightly irritating.

Ingestion not classified according to OSHA hazard communication standard.

Information on Toxicological Effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

Mutagenic effects No data available.

Carcinogenicity There are no known carcinogenic chemicals in this product.

Reproductive effects Not Available.

STOT - Single Exposure no data available.

STOT - Repeated Exposure no data available.

Aspiration hazard No information available.

Numerical Measures of Toxicity - Product information

LD50 Oral > 5000 mg/kg (rat)

12. ECOLOGICAL INFORMATION
Ecotoxicity

Dichlobenil
FISH LC50 (oncorhynches mykiss) - 96 hr = 7.2 mg/L
DAPHNIA EC50 - 48hr = 1.92 mg/L

Persistence/Degradability

No data available.

Bioaccumulation/ Accumulation

Bioaccumulative potential.

Chemical Name	Log Pow
Dichlobenil 1194-65-6	2.6

Other Adverse Effects

No data available.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods Waste Disposal Method
Pesticide wastes can be hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If the wastes cannot be disposed of by use or according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Contaminated packaging Refer to product label.

14. TRANSPORT INFORMATION

DOT NOT REGULATED
TDG NOT REGULATED
IATA NOT REGULATED
IMDG NOT REGULATED

15. REGULATORY INFORMATION

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Signal Word CAUTION

Causes moderate eye irritation. Keep out of Reach of Children. For terrestrial uses, do not apply directly to water, or to areas where surface water is present, or to intertidal areas below mean high water mark.

International Inventories:

USINV Present
DSL/NDL Not present
EINECS/
ELINCS Not Present
ENCS Not Present
China Present

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KECL Present
PICCS Present
AICS Present
TSCA Not Present

Legend:

TSCA - United States Toxic Substances Control Act
 Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances
 List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing
 Commercial Chemical Substances/EU List of
 Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated
 Chemical Substances

PICCS - Philippines Inventory of Chemicals and
 Chemical Substances

AICS - Australian Inventory of Chemical Substances

Federal Regulations
SARA 313

Section 313 of Title III of the Superfund Amendments
 and Reauthorization Act of 1986 (SARA). This product
 contains a chemical or chemicals which are subject to
 the reporting requirements of the Act and Title 40 of the
 Code of Federal Regulations, Part 372:

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Substances Dichlobenil 1194-65-6	100 lb			X

CERCLA

Chemical Name	RQ	CERCLA EHS RQs	RQ
Dichlobenil 1194-65-6	100 lb		RQ 100 lb final RQ 45.4 kg final RQ

CERCLA

Component	RQ
Dichlobenil 1194-65-6 (4)	100 lb

**RCRA
Pesticide Information**

Component	FIFRA - Restricted Use	FIFRA - Pesticide Product Other Ingredients	FIFRA - Listing of Pesticide Chemicals
Dichlobenil 1194-65-6 (4)			X

**State Regulations
State Right-to-Know**

Chemical Name	Massachusetts	New Jersey	Pennsylvania
Dichlobenil - 1194-65-6	X	X	X

International regulations
U.S. EPA Label information

EPA Pesticide registration number 70506-519

16. OTHER INFORMATION
NFPA Health1 Flammability2 Instability0 Physical Hazard

Preparation Date 13-Apr-2020

Revision Date 19-Nov-2021

Revision Summary

Update Section 9 Update section 3 Update section 15

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