

# Safety Data Sheet

## ECR Calcium Hypochlorite Granules

### PRODUCT & COMPANY IDENTIFICATION

**Product Name:** ECR Calcium Hypochlorite Granules

**Synonyms/Generic Names:** Calcium Hypochlorite

**Product Number:** 86460-4-122, 86460-125, 86460-4-222, 86460-4-225, 86460-4-322, and 86460-4-325  
US EPA Registration #86460-4

**Product Use:** Industrial, manufacturing or laboratory use.

**Manufactured For:** Environmental Compliance Resources, LLC  
1903 South Greeley Highway #307  
Cheyenne, Wyoming 82007

**For Detailed Information:** 307-529-1278 or 307-256-5044  
Monday – Friday 9:00 a.m. to 5:00 p.m. CST.

**24-Hour Emergency:** INFOTRAC® at 800-535-5053 #101672  
Available 7 days a week

### HAZARDS IDENTIFICATION

**OSHA Hazards:** Oxidizer, harmful by ingestion; corrosive

**Target Organs:** None

**Signal Words:** Danger

**Pictograms:**



### GHS Classification:

**Oxidizing Solids:** Category 2

**Acute Toxicity, Oral:** Category 4

**Skin Corrosion Category:** 1B

**Serious Eye Damage:** Category 1

**Acute Aquatic Toxicity:** Category 1

### GHS Label Elements (Including precautionary statements):

**Hazard Pictograms:**



**Hazard Statements:**

**Prevention** H272 May intensify fire, oxidizer.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.  
H400 Very toxic to aquatic life.

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**Precautionary Statements:** P220 Keep/store away from clothing/combustible materials.  
P273 Avoid release to the environment.  
P280 Wear protective gloves, protective clothing, face protection, and eye protection.  
P305 + P351 + P338 If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if present and able to remove. Continue rinsing.  
P310 Immediately call a POISON CONTROL CENTER or DOCTOR.

### Potential Health Effects

**Eyes:** Causes eye burns.  
**Inhalation:** May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.  
**Skin:** Harmful if absorbed through skin. Causes skin burns.  
**Ingestion:** Harmful if swallowed.

### NFPA Ratings

**Health** 3  
**Flammability** 0  
**Reactivity** 2  
**Specific Hazard** OX

### HMIS Ratings

**Health** 3  
**Fire** 0  
**Reactivity** 2  
**Personal** J

**Component:** Calcium Hypochlorite  
**Weight %:** 68  
**CAS Number:** 7778-54-3  
**EINECS#/ELINCS#** 231-908-7  
**Formula:** Ca(ClO)  
**Molecular Weight:** 142.98 g/mol

### FIRST-AID GUIDANCE

**Eyes:** In case of eye contact, rinse with plenty of water and seek medical attention immediately.  
**Inhalation:** Move to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.  
**Skin:** Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Get medical attention immediately.  
**Ingestion:** **DO NOT INDUCE VOMITING!** Never give anything by mouth to an unconscious person. If conscious, wash mouth out with water. Get medical attention immediately.

### FIRE-FIGHTING MEASURES

**Suitable/unsuitable extinguishing media:** Product is a strong oxidizer. Dry chemical or carbon dioxide. Do not use water.  
**Special PPE and precautions for firefighters:** Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.  
**Specific hazards arising from the chemical:** Oxidizer! May release chlorine gas when mixed with water. Emits toxic fumes (calcium oxides, hydrogen chloride gas) under fire conditions. (See also Stability and Reactivity section).

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### ACCIDENTAL RELEASE MEASURES

<b>PPE equipment and health:</b>	See Section 8 for recommendations on the use of PPE.
<b>Emergency procedures:</b>	
<b>Environmental precautions:</b>	Prevent spillage from entering drains. Any release to the environment may be subject to federal, national, or local reporting requirements.
<b>Methods and materials for containment and clean up:</b>	Pick up and arrange disposal without creating dust. Sweep up and shovel. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

### HANDLING AND STORAGE

<b>Precautions for safe handling:</b>	See Section 8 for recommendations on the use of PPE. Use with adequate ventilation. Wash thoroughly after using. Keep container closed when not in use. Avoid formation of dusts. <b>Keep away from sources of ignition – NO SMOKING.</b>
<b>Conditions for safe storage, including any incompatibilities:</b>	Store in cool, dry, well-ventilated area. Keep away from incompatible materials. (See Section 10 for incompatibilities).

### EXPOSURE CONTROLS and PERSONAL PROTECTION

<b>Occupational exposure controls:</b>	
<b>Personal Protection:</b>	
<b>Eyes:</b>	Wear chemical safety glasses or goggles.
<b>Inhalation:</b>	Provide local exhaust, preferably mechanical. If exposure levels are extensive, use an approved respirator.
<b>Skin:</b>	Wear nitrile or rubber gloves, impervious, antistatic, protective clothing.
<b>Other:</b>	Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

### PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance (physical state, color, etc.):</b>	White to slightly yellow granules.
<b>Odor:</b>	Not available
<b>Odor threshold:</b>	Not available
<b>pH:</b>	Not available
<b>Melting/freezing point:</b>	100°C (212°F)
<b>Flash point:</b>	Not flammable
<b>Evaporation rate:</b>	Not available
<b>Flammability (solid, gas):</b>	Not flammable
<b>Upper/lower flammability or explosive limit:</b>	Not flammable
<b>Vapor pressure:</b>	Not available
<b>Vapor density:</b>	Not available
<b>Relative density:</b>	Not available
<b>Solubility (ies):</b>	Completely soluble in water
<b>Partition coefficient:</b>	n-octanol/water: Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available

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### STABILITY and REACTIVITY

<b>Chemical stability:</b>	Stable
<b>Possibility of hazardous reaction:</b>	Will not occur
<b>Conditions to avoid:</b>	Moisture, heat, sources of ignition
<b>Incompatible materials:</b>	Acids, reducing agents, organic materials, combustible materials
<b>Hazardous decomposition products:</b>	Calcium oxides, hydrogen chloride gas.

### TOXICOLOGICAL INFORMATION

#### Acute Toxicology

<b>Skin:</b>	Not available
<b>Eyes:</b>	Not available
<b>Respiratory:</b>	Not available
<b>Ingestion:</b>	LD50 Oral – rat – 850 mg/kg

#### Carcinogenicity

<b>IARC:</b>	No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.
<b>ACGIH:</b>	No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by ACGIH.
<b>NTP:</b>	No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by NTP.
<b>OSHA:</b>	No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by OSHA.

#### Signs & Symptoms of Exposure

<b>Skin:</b>	Redness, itchiness, swelling, and burns.
<b>Eyes:</b>	Redness, itchiness, and burns.
<b>Respiratory:</b>	Coughing, burning, wheezing, laryngitis, shortness of breath, and headache.
<b>Ingestion:</b>	Nausea, vomiting, and pain.
<b>Chronic Toxicity:</b>	Not available
<b>Teratogenicity:</b>	Not available
<b>Mutagenicity:</b>	Genotoxicity in vitro – Hamster – fibroblast; cytogenetic analysis.
<b>Embryotoxicity:</b>	Not available
<b>Specific Target Organ Toxicity:</b>	Not available

### ECOLOGICAL INFORMATION

#### Ecotoxicity

<b>Aquatic Vertebrate:</b>	LC50 – Lepomis Macrochirus – 0.057 mg/l – 96.0 hours
<b>Aquatic Invertebrate:</b>	EC50 – Daphnia Magna (Water Flea) – 0.067 mg/l – 48 hours
<b>Terrestrial:</b>	Not available
<b>Persistence &amp; Degradability:</b>	Not available
<b>Bio accumulative Potential:</b>	Not available
<b>Mobility in Soil:</b>	Not available
<b>PBT and vPvB Assessment:</b>	Not available
<b>Other Adverse Effects:</b>	Very toxic to aquatic life

*Note: The information offered in Disposal Considerations is for the product as shipped. Use and or alterations to the product may significantly change the characteristics of the material and alter the waste classification and proper disposal methods.*

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### TRANSPORTATION INFORMATION

<b>US DOT:</b>	UN2880, Calcium Hypochlorite, hydrated mixture, 5/1, pg II
<b>TDG:</b>	UN1748, Calcium Hypochlorite, Dry, 5.1, pg II
<b>IMDG:</b>	UN3487, Calcium Hypochlorite, hydrated mixtures, 5.1, pg II
<b>Marine Pollutant:</b>	Yes
<b>IATA/ICAO:</b>	UN1748, Calcium Hypochlorite, Dry, 5.1 pg II

### REGULATORY INFORMATION

<b>TSCA Inventory Status:</b>	All ingredients are listed on the TSCA inventory.
<b>DSCL (EEC):</b>	All ingredients are listed on the DSCL inventory.
<b>California Proposition 65:</b>	Not listed
<b>SARA 302:</b>	Not listed
<b>SARA 304:</b>	Not listed
<b>SARA 311:</b>	Calcium Hypochlorite
<b>SARA 312:</b>	Calcium Hypochlorite
<b>SARA 313:</b>	Not listed
<b>WHMIS Canada:</b>	Class C: Oxidizing material. Class E: Corrosive solid

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