

Safety Data Sheet
Calcium Hypochlorite AST

Section 1. PRODUCT & COMPANY IDENTIFICATION

Product Name: ECR Calcium Hypochlorite AST

Synonyms/Generic Names: Calcium Hypochlorite

Product Number: 86460-4-125, 86460-4-225 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 Call: 307-529-1278 or 307-256-5044 Monday-Friday 9:00-5:00 CST

In the event of an Emergency Call: INFOTRAC® 800-535-5053 #101672; 24 Hours/Day, 7 Days/Week

Section 2. 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 Statements:

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

Precautionary Statements:

P220: Keep/store away from clothing/combustible materials.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/face protection/eye protection.

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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		HMIS Ratings	
Health	3	Health	3
Flammability	0	Fire	0
Reactivity	2	Reactivity	2
Specific hazard	OX	Personal	J

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component: Calcium Hypochlorite

Weight %: 68

CAS Number 7778-54-3

EINECS#/ELINCS#: 231-908-7

Formula: Ca(ClO)

Molecular Weight: 142.98 g/mol

Section 4. FIRST-AID GUIDANCE

Eyes: In case of eye contact, rinse with plenty of water and seek medical attention immediately.

Inhalation: Move casualty 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 out mouth with water. Get medical attention immediately.

Section 5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: Product is a strong oxidizer. Dry chemical or carbon dioxide. Do not use water.

Special protective equipment 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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Section 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and Health: See section 8 for recommendations on the use of Personal protective equipment.

Emergency procedures:

Environmental precautions: Prevent spillage from entering drains. Any release to the environment may be subject to federal/national or local reporting requirements.

Methods and materials for containment and cleaning up: 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.

Section 7. HANDLING AND STORAGE

Precautions for safe handling: See section 8 for recommendations on the use of personal protective equipment. Use with adequate ventilation. Wash thoroughly after using. Keep container closed when not in use. Avoid formation of dusts. **Keep away from sources of ignition – No smoking**

Conditions for safe storage, including any incompatibilities: Store in cool, dry well ventilated area. Keep away from incompatible materials (see section 10 for incompatibilities).

Section 8. EXPOSURE CONTROLS and PERSONAL PROTECTION

Occupational exposure controls: Contains no substances with occupational exposure limit values.

Personal Protection

Eyes: Wear chemical safety glasses or goggles.

Inhalation: Provide local exhaust, preferably mechanical. If exposure levels are excessive, use an approved respirator.

Skin: Wear nitrile or rubber gloves, impervious antistatic protective clothing.

Other Recommendations: Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): White to slightly yellow granules.

Odor: Not Available

Odor threshold: Not Available

pH: Not Available

Melting point/freezing point: 100°C (212°F)

Initial boiling point and boiling range: Not Available

Flash point: Not Flammable

Evaporation rate: Not Available

Flammability (solid, gas): Not Flammable

Upper/lower flammability or explosive limit: Not Flammable

Vapor pressure: Not Available

Vapor density: Not Available

Relative density: Not Available

Solubility (ies): Completely soluble in water.

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Partition coefficient: n-octanol/water: Not Available
Auto-ignition temperature: Not Available
Decomposition temperature: Not Available

Section 10. STABILITY AND REACTIVITY

Chemical Stability: Stable.
Possibility of Hazardous Reactions: Will not occur.
Conditions to Avoid: Moisture, heat, sources of ignition.
Incompatible Materials: Acids, reducing agents, organic materials, combustible materials.
Hazardous Decomposition Products: Calcium oxides, hydrogen chloride gas.

Section 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Skin: Not Available
Eyes: Not Available
Respiratory: Not Available
Ingestion: LD50 Oral – rat – 850 mg/kg

Carcinogenicity

IARC: 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.
ACGIH: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Signs & Symptoms of Exposure

Skin: Redness, itchiness, swelling, burns.
Eyes: Redness, itchiness, burns.
Respiratory: coughing, burning, wheezing, laryngitis, shortness of breath, headache.
Ingestion: Nausea, vomiting, pain.
Chronic Toxicity: Not Available
Teratogenicity: Not Available
Mutagenicity: Genotoxicity in vitro – Hamster – fibroblast; Cytogenetic analysis.
Embryotoxicity: Not Available
Specific Target Organ Toxicity: Not Available

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Vertebrate: LC50 – Lepomis Macrochirus – 0.057 mg/l – 96.0 hours
Aquatic Invertebrate: EC50 – Daphnia magna (Water flea) – 0.067 mg/l – 48 hours
Terrestrial: Not Available
Persistence and Degradability: Not Available
Bioaccumulative Potential: Not Available
Mobility in Soil: Not Available
PBT and vPvB Assessment: Not Available
Other Adverse Effects: Very toxic to aquatic life

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Section 13. DISPOSAL CONSIDERATIONS

Waste Residues: Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product

Product Containers: Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product Container.

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.

Section 14. TRANSPORTATION INFORMATION

US DOT: UN2880, Calcium hypochlorite, dry, 5.1, pg II

TDG: UN1748, CALCIUM HYPOCHLORITE, DRY, 5.1, pg II

IMDG: UN3487, CALCIUM HYPOCHLORITE, DRY, 5.1, pg II

Marine Pollutant: No

IATA/ICAO: UN1748, Calcium hypochlorite, dry, 5.1, pg II

Section 15. REGULATORY INFORMATION

TSCA Inventory Status: All ingredients are listed on the TSCA inventory.

DSCL (EEC): All ingredients are listed on the DSCL inventory.

California Proposition 65: Not Listed

SARA 302: Not Listed

SARA 304: Not Listed

SARA 311: Calcium Hypochlorite

SARA 312: Calcium Hypochlorite

SARA 313: Not Listed

WHMIS Canada: Class C: Oxidizing material. Class E: Corrosive solid.

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