

MATERIAL SAFETY DATA SHEET

FIVE STAR AFFILIATES, INC.  
6731 E. 50 TH. AVENUE  
COMMERCE CITY, CO 80022

PHONE: 303-287-0186  
MSDS DATE: 12-10-10  
REPLACES: 1-5-99

---

IDENTIFICATION

PRODUCT NAME: CALCIUM CHLORIDE FCC GRADE ANH  
COMPOSITION: CALCIUM CHLORIDE

---

HAZARDOUS IDENTIFICATION

**EYES:** Can cause severe eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes. Can injure eye tissue. Molten material causes thermal burns.

**SKIN:** Can cause skin irritation. Symptoms may include redness and burning of skin, and other skin damage. Contact with damp or already injured skin can result in burns and other skin damage. When dissolving, the heat produced may cause thermal burns.

**SWALLOWING:** Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts can be harmful.

**INHALATION:** This material is a dust or may produce dust.

**SYMPTOMS OF EXPOSURE:** Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways).

**TARGET ORGAN EFFECTS:** No data

**DEVELOPMENTAL INFORMATION:** No data

**CANCER INFORMATION:** No data

**OTHER HEALTH EFFECTS:** This material reacts with sulfuric acid to give hydrogen chloride which, upon contact, can cause severe irritation and permanent damage to eyes, skin, and respiratory tract.

**PRIMARY ROUTE (S) OF ENTRY:** Inhalation, skin contact.

---

FIRST AID MEASURES

**EYES:** If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

**SKIN:** Remove contaminated clothing. Flush exposed area with large amounts of water. If skin is not damaged and symptoms persist, seek medical attention. Launder clothing before reuse.

**SWALLOWING:** Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

**INHALATION:** If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

**NOTE TO PHYSICIAN:** Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions).

---

FIRE FIGHTING MEASURES

**FLASH POINT:** Not applicable

**EXPLOSIVE LIMIT:** Not applicable

**AUTOIGNITION TEMPERATURE:** No data

**HAZARDOUS PRODUCTS OF COMBUSTION:** No data

**FIRE AND EXPLOSION HAZARDS:** No special fire hazards are known to be associated with this product. In solution form, this material will react with zinc (galvanizing) to yield hydrogen gas, which is explosive.

**EXTINGUISHING MEDIA:** Water fog.

**FIRE FIGHTING INSTRUCTIONS:** Water may be used to keep fire-exposed containers cool until fire is out.

**NFPA RATING:** Not determined.

---

ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Sweep up material for disposal or recovery.

**LARGE SPILL:** Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred. Collect and add slowly to large volume of water. Shovel material into containers. Thoroughly sweep area of spill to clean up any residual material. Do not flush into sewers. Material should be placed in a container for recovery or transfer to a disposal facility.

---

HANDLING AND STORAGE

**HANDLING:** Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Emergency eyewash fountains and safety showers should be available in the immediate vicinity of potential exposure.

---

**EXPOSURE CONTROLS/PERSONAL PROTECTION**

**EYE PROTECTION:** Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

**SKIN PROTECTION:** Wear resistant gloves such as: polyvinyl chloride, To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

**RESPIRATORY PROTECTIONS:** If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure. If overexposure has been determined or documented, a NIOSH/MSHA approved dust/mist and fume respirator is advised in the absence of proper environmental control (see your safety equipment supplier). Engineering or administrative controls should be implemented to reduce exposure.

**ENGINEERING CONTROLS:** Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below level of overexposure (from known, suspected or apparent adverse effects).

**EXPOSURE GUIDELINES:** No exposure limits established.

---

**PHYSICAL AND CHEMICAL PROPERTIES**

**BOILING POINT:** 388.0°F (197.7 C) @ 760 mmHg

**VAPOR PRESSURE:** .010 mmHg @ 68.00 F.

**SPECIFIC VAPOR DENSITY:** Not applicable

**SPECIFIC GRAVITY:** 2.150 @ 77.00 F

**LIQUID DENSITY:** Not applicable

**PERCENT VOLATILES:** No data

**EVAPORATION RATE:** Not applicable

**APPEARANCE:** No data

**STATE:** Solid

**PHYSICAL FORM:** Powder

**COLOR:** White Deliquescent

**ODOR:** No data

**pH:** Not applicable

---

**STABILITY AND REACTIVITY**

**HAZARDOUS POLYMERIZATION:** Product will not undergo hazardous polymerization.

**HAZARDOUS DECOMPOSITION:** No data

**CHEMICAL STABILITY:** Stable

**INCOMPATIBILITY:** Avoid contact with: ferrous metals, metals, non-ferrous metals, sodium, strong mineral acids, sulfuric acid. Contact with acids or excessive heat will liberate poisonous, flammable, hydrogen sulfide gas.

---

**DISPOSAL CONSIDERATION**

**WASTE MANAGEMENT INFORMATION:**

Dispose of in accordance with all applicable local, state and federal regulations.

---

**TRANSPORT INFORMATION**

**DOT INFORMATION-49 CFR 172.101**

**DOT DESCRIPTION:** Not regulated by DOT

**CONTAINER/MODE:** 55 gal drum/truck package

**NOS COMPONENT:** None

**RQ (reportable quantity) – 49 CFR 172.101**

Not applicable

---

**REGULATORY INFORMATION****US FEDERAL REGULATIONS**

TSCA (TOXIC SUBSTANCE CONTROL ACT) STATUS

TSCA (UNITED STATES) The intentional ingredients of this product are listed.

CERCLA RQ – 40 CFR 302.4(a)

None listed

CERCLA RQ – 40 CFR 302.4 (b)

Materials without a “listed” RQ may be reportable as an “unlisted hazardous substance”.

See 40 CFR 302.5 (b).

SARA 302 COMPONENTS – 40 CFR 355 APPENDIX A

None

SECTION 311/312 HAZARD CLASS – 40 CFR 370.2

Immediate

SARA 313 COMPONENTS – 40 CFR 372.65

None

**INTERNATIONAL REGULATIONS INVENTORY STATUS:** Not determined

**STATE AND LOCAL REGULATIONS CALIFORNIA PROPOSITION 65:** None

---

Emergency Telephone: INFOTRAC 1-800-535-5053