

SA-50 CALCIUM NITRATE
MATERIAL SAFETY DATA SHEET

Manufacturer's Name & Address

Southern Agricultural Insecticides, Inc.
 PO Box 218, Palmetto, Fla. 34220

Phone: 941-722-3285
 Chemtrec: 800-424-9300

I. NOMENCLATURE

Product name: SA-50 CALCIUM NITRATE
Chemical Name: Ammonium Calcium Nitrate Decahydrate

II. INGREDIENTS

Chemical Names	CAS Numbers	Exposure Limits in Air
Ammonium Calcium Nitrate Decahydrate	39368-85-9	ACGIH TLV OSHA PEL Other (specify) None Listed

Ammonium Calcium Nitrate Decahydrate has been tested in accordance with the procedures outlined in Appendix F of CFR Title 49, Part 173. It was found not to be an oxidizer. Copies of these test results are available on request.

NOTE: THIS PRODUCT IS NOT CLASSIFIED AS AN OXIDIZER AND, AS SUCH DOES NOT REQUIRE PLACARDING OR SPECIAL HANDLING.

NFPA & HMIS Rating: 1, 0, 0; HEALTH, FLAMMABILITY, REACTIVITY

III. PHYSICAL PROPERTIES

Vapor density (air=1): Solid
Melting point or range: F 242.F
Boiling point or range: F Decomposes
Vapor pressure, mmHg at 20.C: Hygroscopic solid water vapor pressure = 0.068 lb/in (68.F)
Appearance and odor: White/off-white, granular solid, odorless

Specific gravity: 1.12 (68-70#/FT3)
Solubility in water: 76% (W/W)
Evaporation rate: (butyl acetate=)

IV. FIRE AND EXPLOSION

Flash point, °F (give method): N/A
Flammable limits in air, volume %: N/A Lower (LEL): N/A Upper (UEL): N/A
Fire extinguishing materials: Water spray
Special fire fighting procedures: Self contained air supply to protect from oxides of nitrogen. Noxious fumes may form.
Unusual fire and explosion hazards: Oxides of nitrogen.

V. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure.

Inhaled: May cause mild nasal irritation.

Skin Exposure: May cause skin rash or sores particularly if skin is broken out at point of contact with product. Not known to be absorbed through the skin.

Eye Exposure: May cause mild eye irritation.

Swallowed: **Small Amounts:** Weakness, general depression, headache, and mental impairment.

Large Amounts: Dizziness, abdominal cramps, vomiting, bloody diarrhea, weakness, convulsions, and collapse.

SA-50 CALCIUM NITRATE
MATERIAL SAFETY DATA SHEET

HEALTH EFFECTS OR RISKS FROM EXPOSURE. Risk of nitrate toxicity from ingestion

Acute: Small Amounts: Weakness, general depression, headache, and mental impairment.

Large Amounts: Dizziness, abdominal cramps, vomiting, bloody diarrhea, weakness, convulsions, and collapse.

Chronic:

VI. FIRST AID

First Aid for Eye Exposure: Flood with water at least 15 minutes.

First Aid for Skin Exposure: Wash with copious amounts of soap and water.

First Aid if Inhaled: N/A

First Aid if Swallowed: Delay absorption of ingested nitrate by giving milk or activated charcoal, and then remove by gastric ravage or emesis. Maintain blood pressure.

SUSPECTED CANCER AGENT: NO. This product's ingredients are not found in the federal OSHA, NTP or IARC.

Medical Conditions Aggravated by Exposure: None known.

VII. REACTIVITY DATA

Stability: Stable

Conditions to avoid: N/A

Incompatibility (materials to avoid): None known

Hazardous decomposition products (including combustion products):

Hazardous polymerization: Will not occur.

Conditions to avoid: None known.

VIII. ENVIRONMENTAL AND DISPOSAL PROCEDURES

Spill response procedures (include employee protection measures): Spread over arable land away from drinking water. Protect from ingestion by ruminants.

Preparing wastes for disposal (container types, neutralization, etc.): Same as above.

NOTE: Dispose of all wastes in accordance with federal, state and local regulations.

VIII. SPECIAL HANDLING INFORMATION

Ventilation and Engineering Controls: Adequate to move dust.

Respiratory Protection (type): Filter respirator in dusty atmosphere.

Eye Protection (type): As necessary for dust safety glasses with side shields.

Gloves (specify material): Rubber gloves.

Other Clothing and Equipment: Body covering, dust proof clothing.

Work Practices, Hygienic Practices: Adequate personal hygiene.

Other Handling and Storage Requirements: Normal dry bulk warehousing practice. Protect from fire.

Protective Measures During Maintenance of Contaminated Equipment: Same as procedures for normal handling of product.

This information relates solely to this specific material. It does not include combinations with other materials. This information is given without warranty or representation. Information is based on data we believe to be correct as the date hereof. This information is furnished solely for your consideration, investigation, and verification. Before using any product READ THE LABEL.

Re: Product information sheet Hydro Agri 1/27/97