

# MATERIAL SAFETY DATA SHEET

**AGRI TREND**  
4341 E. 30<sup>th</sup> Place  
Yuma, AZ 85365

**Phone: (928) 317-0456**  
**Fax: (928) 317-1329**

**EMERGENCY (24-HOUR) INFORMATION CALL CHEMTREC (800)424-9300**  
**EPA NATIONAL RESPONSE CENTER (800)424-8802**

---

## SECTION I: IDENTIFICATION OF PRODUCT

---

**Product Name:** Trend Sorb

**Product Class:** Compound-organic salt solution

**Chemical Name and Synonyms:** dicarbamide dihydrogen sulfate-urea solution

---

## SECTION II: HAZARDOUS INGREDIENTS

---

CHEMICAL	CAS NO.
Dicarbamide dihydrogen sulfate	17103-31-0
Leonardite derivities	68514-28-3

---

## SECTION III: EMERGENCY/HAZARDS OVERVIEW

---

Clear to slightly hazy liquid. May react with incompatible metals such as aluminum, tin, lead, and zinc to generate highly flammable and explosive hydrogen gas. Burning under temperatures may generate carbon dioxide under normal conditions. If exposed to prolonged heat in a fire, oxides of carbon, nitrogen and sulfur may be formed.

**HEALTH: 2    REACTIVITY: 2    FLAMMABILITY: 0    ENVIRONMENT: 1**  
( 0=Insignificant   1=Slight   2=Moderate   3=High   4=Extreme )

---

## SECTION IV: PHYSICAL AND CHEMICAL DATA

---

**Boiling Point:** Decomposes

**% Volatile by Weight:** Not Available

**Vapor Density:** Not Available

**Solubility In Water:** Soluble

**Density:** 9.9 lbs./gal

**Appearance:** Clear to slightly hazy liquid

**Odor:** None

**Octanol/Water Partition Coefficient:** Not Available

**Saturated Vapor Concentration:** Not Available

**Freezing Point:** Not Available

**pH:** <3

**Vapor Pressure (mm Hg):** Not Available

**Evaporation Rate:** Not Available

**Viscosity:** Not Available

---

## SECTION V: FIRE AND EXPLOSION DATA

---

**Flash Point:** Non-Flammable

**Test Method:** Not Available

**LEL Flammable Limits:** Not Available

**UEL Flammable Limits:** Not Available

**Autoignition Temperature:** Not Available

**Flammability Classification:** Not Available

**Properties that Initiate/Contribute to Intensity of Fire:** Not Available

**Potential for Release of Flammable Vapors:** Flammable hydrogen gas may be produced on prolonged contact with metals such as aluminum, tin, lead, and zinc

**Potential for Dust Explosion:** Not Available

**Reactions that Release Flammable Gases or Vapors:** Flammable hydrogen gas may be produced on prolonged contact with metals such as aluminum, tin, lead, and zinc

**Unusual Fire & Explosion Hazards:** Container rupture may occur under fire conditions or when heated, if not adequately ventilated.

**Extinguishing Media:** Use fire-fighting procedures according to type of fire. Wear full protective clothing and self-contained breathing apparatus.

**Known Hazardous Products of Combustion:** Burning may generate carbon dioxide, oxides of nitrogen and sulfur, and possibly other toxic fumes.

**Special Firefighting Procedures:** Wear positive pressure, self-contained breathing apparatus and goggles. Avoid smoke inhalation. Contain any liquid runoff.

---

## SECTION VI: REACTIVITY DATA

---

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

**Conditions To Avoid:** Avoid excessive heat. If heated above 110°C, will decompose to produce carbon dioxide.

**Incompatibility:** Aluminum, mild steel, copper, brass, nylon. Reactive or incompatible with nitrates, hypochlorites, sulfides, alkaline materials and many metals. Toxic or flammable gases may be formed or unacceptable corrosion may occur. Do not mix with UAN solutions.

**Hazardous Decomposition Products:** Burning may generate carbon dioxide, oxides of nitrogen and sulfur, and possibly other fumes.

---

## SECTION VII: HEALTH HAZARD DATA

---

### EFFECTS OF OVEREXPOSURE / EMERGENCY AND FIRST AID PROCEDURES

**Eyes:** Wear chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling. If contact occurs, flush eyes immediately with water for at least 15 minutes. Call a physician if irritation persists.

**Skin:** Wear impervious gloves and clothes. If contact occurs, wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Call a physician if skin becomes irritated.

**Ingestion:** If conscious and alert, drink water or milk to dilute, then induce vomiting. Call a physician or Poison Control Center Immediately.

**Respiratory Protection:** Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH- approved dust/mist respirator (3M #8710).

**Inhalation:** If vapors or mist causes irritation or distress, remove to fresh air and call a physician.

**Ventilation:** Good ventilation practice should be exercised.

### ACUTE EFFECTS

**Eyes:** Severe eye irritant. May cause redness and/or burning

**Skin:** Mild to moderate immediate irritant, especially from prolonged exposure causes redness, skin burns, and severe damage.

**Ingestion:** Corrosive if swallowed. May cause severe irritation or burns to mouth, throat, and digestive tract.

**Inhalation:** Overexposure by inhalation may cause irritation and burning of nose, throat and respiratory tract.

### **SUBCHRONIC EFFECTS**

None Known

### **CHRONIC EFFECTS**

May aggravate existing skin or respiratory disorders.

---

## **SECTION VIII: SPILL, LEAK, AND DISPOSAL PROCEDURES**

---

Contain all spills and keep unnecessary people away, isolate hazard area and deny entry.

---

## **SECTION IX: HANDLING AND STORAGE**

---

**Storage:** Will corrode incompatible metals. Store in polyethylene, polypropylene or 316L stainless steel containers in a cool, well-ventilated dry place at temperatures above 40<sup>0</sup>F. Do not store near food or feed. Do not stack pallets more than two (2) high.

**Work/Hygienic Practices:** Always use proper personal protective equipment when working with or around Trend Sorb.

---

## **SECTION X: D.O.T, REGULATORY, AND GENERAL INFORMATION**

---

**D.O.T. Shipping Description:** Class 8: Corrosive Liquid. Not regulated if transported by motor vehicle or railcar (see 49CFR 173.154(d))

**Other Shipping Information:** PIN 1760 PG III Proper Shipping name: Corrosive Liquid N.O.S. (Dicarbamide Dihydrogen Sulfate). DOT corrosive to mild steel

**CERCLA:** None

**SARA TITLE III, Section 313 Toxic Chemicals:** None

**PROPOSITION 65 (CA):** The following statement is made in order to comply with the California Safe Drinking Water and Enforcement Act of 1986 (CA Health and Safety Code Sec. 25249.6): This product contains the following chemicals known to the State of California to cause cancer: Strong inorganic acid mists containing sulfuric acid, CAS not applicable.

Neither this data sheet nor any statement contained herein grants or extends any license, expressed or implied, in connection with patents issued or pending which may be the property of the manufacturer or others. The information in this sheet has been assembled by the manufacturer based on its own studies and on the work of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be liable to the vendee, the vendee's employees or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy, or furnishing of such information.