

MATERIAL SAFETY DATA SHEET

AGRI TREND
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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 110⁰C, 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 40⁰F. 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.

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