Material Safety Data Sheet

VITAMIN AD3E DISPERSIBLE

Date of New Version: 07/01
Replaces Version: 03/91
Material Name: Vitamin A, D and E
Manufacture’s Name: Alpharma, Inc.
Manufacture’s Address: 1301 Iowa Avenue, Longmont, CO 80501 USA
Emergency Telephone: 800-678-7112 CHEMTREC 24 hour: 1-800-424-9300

SECTION 1  HAZARDOUS INGREDIENTS/IDENTITY

Material: Ethyl Alcohol
TLV (Units): 1000 ppm
Hazard: Eye and skin irritant; central nervous system effects; flammable

SECTION 2  PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: Not Determined
Specific Gravity: 0.95 g/cc
Melting Point: Not determined
Solubility in Water: Dispersible
Evaporation Rate: Not Determined
Appearance and Odor: Brown Liquid, mild vitamin and solvent odor

SECTION 3  FIRE AND EXPLOSION DATA

Flash Point: 68-73°F
Flammable Limits: Not determined
Extinguishing Media: Alcohol foam, CO₂, dry chemical
Special Fire Fighting Procedures: Firefighters should be equipped with self-contained breathing apparatus and turnout gear.

Unusual Fire and Explosions Hazards: None

SECTION 4  REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Heat, sparks, and open flames
Materials to Avoid: None
Hazardous Decomposition Products: None
Hazardous Polymerization: Will not occur

SECTION 5  HEALTH HAZARD DATA

Threshold Limit Values: 1000 ppm for 8 hours (OSHA)

Effects of Overexposure:
Internal: Vitamins A, D and E are nutritional requirements. Although overdosing seldom occurs, the following symptoms have been noted if excessive amounts are ingested:
  Vitamin A - Acute: Dizziness, headache, blurred or double vision, drowsiness, nausea, vomiting, loss of appetite. Chronic: bone pain, fissuring, coarsening or pealing of the skin, neuritis. Vitamin D - Elevated levels of serum calcium and phosphorous, drowsiness, gastrointestinal symptoms, renal failure, metastatic calcifications and hypotensions have been noted in overdoses.

External: Eye and skin contact may result in irritation. Overexposure to ethanol vapors may cause irritation of the eyes, nose and throat and may result in narcosis and CNS depression.
Emergency and First Aid Procedures:

Inhalation: Move to fresh air. Aid in breathing, if necessary, and get medical attention.
Eye Contact: Flush with flowing water for at least 15 minutes. If irritation develops, consult a physician.
Skin Contact: Wash thoroughly with soap and water.
Ingestion: If overdose occurs, prevent further ingestion and consult a physician.
Other Hazards: Skin contact may aggravate an existing dermatitis. Inhalation of material may aggravate asthma and inflammatory or fibrotic pulmonary disease.
Carcinogenicity: Not known to be a carcinogen.

SECTION 6  SPECIAL PROTECTION INFORMATION

Respiratory Protection: If mists or vapors are generated, wear an approved organic vapor or mist respirator.
Ventilation: Local exhaust should be of adequate capacity to control vapors and mists.
Eye Protection: Side-shield safety glasses.
Protective Clothing: Gloves, apron, coveralls, as required by Good Hygiene Practice.

SECTION 7  SPECIAL PRECAUTIONS AND SPILL/ LEAK PROCEDURES

Precautions to be taken in handling and storage: Store in a cool, dry place at 45-60° (7-15°C). Keep containers sealed when not in use.
Danger: Flammable. May cause eye and skin irritation on contact. Inhalation of vapors may irritate eyes, skin and throat and may cause drowsiness. Harmful if large amounts are ingested.

Remove and launder contaminated clothing before reuse.

Steps to be taken in case material is released or spilled: Spills should be contained, solidified, and placed in suitable containers for disposal in an RCRA Licensed facility. This material is RCRA Hazardous due to its properties.
Waste Disposal Method: Incinerate or buy as a solid in a RCRA licensed facility. Do not discharge into waterways or sewer systems hazardous waste #D-001.

SECTION 8  OTHER INFORMATION

Additional Information: Although the information and recommendations set forth herein (Hereinafter “information”) are presented in good faith and believed to be correct as of the date thereof, Alpharma, Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Alpharma, Inc. be responsible for damages of any nature whatsoever resulting from the use of or reliance upon Information. No representations or warranties, either express or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to Information or the product to which Information refers.