

090370

ADE Russell

MATERIAL SAFETY DATA SHEET

I.D. Russell

VITAMIN AD3E DISPERSIBLE

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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.

SECTION 1 - IDENTITY

PRODUCT NAME: Vitamin AD3E Dispersible
CHEMICAL NAME: Vitamin A, D and E Blend
CHEMICAL FAMILY: Vitamins A, D and E
FORMULA: Not Applicable

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 adequate capacity to control vapors and mists.
EYE PROTECTION: Side-shield safety glasses.
PROTECTIVE CLOTHING: Gloves, aprons, coveralls, as required by good hygiene practice.

SECTION 2 - HAZARDOUS INGREDIENTS

Table with 2 columns: Material, TLV (Units). Row 1: Ethyl alcohol, 1000 ppm. Row 2: Hazard: Eye and skin irritant; central nervous system effects; flammable.

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 deg. F (7-15 deg. C). Keep containers sealed when not in use. Danger: Flammable. May cause eye and skin irritation on contact.
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.
WASTE DISPOSAL METHOD: Incinerate or bury as a solid in a RCRA licensed facility.

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire and Explosion Data)

BOILING POINT: Not determined
SPECIFIC GRAVITY OR BULK DENSITY: 0.95 g/cc
VAPOR PRESSURE: Not determined
VAPOR DENSITY: Not determined
SOLUBILITY IN WATER: Dispersible
% VOLATILE BY VOLUME: Not determined
EVAPORATION RATE: Not determined
REACTIVITY IN WATER: Not applicable
APPEARANCE AND ODOR: Brown liquid; mild vitamin and solvent odor
FLASH POINT: 68-73 deg. 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 EXPLOSION HAZARDS: None

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, I.D. Russell Company, Laboratories 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.

SECTION 4 - PHYSICAL HAZARDS

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 HAZARDS

THRESHOLD LIMIT VALUES: 1000 ppm for 8 hours (OSHA)
EFFECTS OF OVEREXPOSURE:
INTERNAL: Vitamin 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 peeling 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 overdose.
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.

APPROVED BY: Rick Stewart
REPRESENTING: I.D. Russell Company, Laboratories
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