

090160

MATERIAL SAFETY DATA SHEET

I.D. Russell

HIGH-D 2X

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DATE PREPARED OR REVISED: 05/90

SECTION 1 - IDENTITY

PRODUCT NAME: High-D 2X
CHEMICAL NAME: Vitamin D
CHEMICAL FAMILY: Vitamin D
FORMULA: Not Applicable

SECTION 2 - HAZARDOUS INGREDIENTS

MATERIAL: None known
TLV (Units): Not Applicable
HAZARD: None known

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

BOILING POINT: Not determined.
SPECIFIC GRAVITY OR BULK DENSITY: 0.97 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: Not determined
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

SECTION 4 - PHYSICAL HAZARDS

STABILITY: Stable
CONDITIONS TO AVOID: Heat, sparks and open flame
INCOMPATIBILITY: None
HAZARDOUS DECOMPOSITION PRODUCTS: None
HAZARDOUS POLYMERIZATION: Will not occur

SECTION 5 - HEALTH HAZARDS

THRESHOLD LIMIT VALUES: Not determined
EFFECTS OF OVEREXPOSURE:
INTERNAL: Vitamin D is a nutritional requirement. Although overdosing seldom occurs, the following symptoms have been noted if excessive amounts are ingested: Elevated levels of serum calcium and phosphorous, drowsiness, gastrointestinal symptoms, renal failure, metastatic calcifications and hypotensions.
EXTERNAL: Eye and skin contact may result in irritation. Overexposure to alcohol 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 affected skin areas with soap and water.
INGESTION: If ingestion overdose occurs, prevent further ingestion and consult a physician.

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 mists and vapors.
EYE PROTECTION: Side shield safety glasses/goggles
PROTECTIVE CLOTHING: Gloves, apron, coveralls, as required by good hygiene practices.

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place at 45 to 60 deg. F (7 to 15.5 deg. C). Keep containers sealed when not in use. 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.
OTHER PRECAUTIONS: 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 a RCRA licensed facility. This material is RCRA hazardous due to its properties.
WASTE DISPOSAL METHOD: Incinerate or bury as a solid in a RCRA licensed facility. Do not discharge into waterways or sewer systems. Hazardous Waste Number D0001.

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