



American International Chemical, Inc.

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MATERIAL SAFETY DATA SHEET

Vitamin AD3 1000/100 Oily

SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

| | | |
|---------------------------------------|----------------------------|--------------|
| American International Chemical, Inc. | Emergency Number: Chemtrec | 800-424-9300 |
| 135 Newbury Street | | 703-527-3887 |
| Framingham, MA 01701 | Information Number: | 800-238-0001 |

Date: July 2010

Synonyms: Vitamin A Palmitate: retinyl palmitate; all-trans-vitamin A palmitate
Vitamin D3: cholecalciferol

CAS #: 79-81-2 Vitamin A Palmitate
67-97-0 Vitamin D3

DOT Hazard Class: Not Regulated

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

| Product | Concentration |
|--------------------------|--------------------------|
| Vitamin A Palmitate | 588mg/g or 1 mIU/g min |
| Vitamin D3 | 2.5mg/g or 0.1 mIU/g min |
| dl- α -tocopherol | 6.2mg |
| Corn oil | 403.3mg |

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Clear oily yellow to orange yellow liquid that presents little or no health hazard and no unusual hazard if involved in a fire.

POTENTIAL HEALTH EFFECTS:

Skin: May cause skin irritation.

Eyes: May cause irritation or burning.

Inhalation: May cause irritation to the respiratory tract.

Ingestion: Avoid ingestion, inhalation of dust or direct by applying protective measures and personal hygiene. Not a hazard in most industrial usage.

CARCINOGENICITY: Not Identifiable

SECTION 4 - FIRST AID MEASURES

Skin: Remove contaminated clothing immediately. Immediately wash skin with soap and water. Do not use any solvents

Eyes: Immediately flush with plenty of water for at least 10 minutes, holding eye lids apart. **Inhalation:** Remove to the fresh air and keep calm. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: Wash out mouth with water.

On All Of The Above: Consult a physician if symptoms persist.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: 610 °F (321°C)

Flammable Limits: Not Available

Extinguishing Media: Water spray jet, dry powder, foam, and carbon dioxide.

Special Fire Fighting Procedures:

Use fire fighting procedure that is appropriate to treat surrounding fire. All firefighters should use self-contained breathing apparatus and full fire-fighting turn-out gear.

Unusual Fire Explosion Hazard: During a fire, irritating and highly toxic gasses may be generated by thermal decomposition or combustion.

Auto Ignition Temperature: Not Available

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Isolate hazard area and deny entry to unnecessary or unprotected personnel.

Contain spilled liquid with sand or earth. Place in a disposal container. Avoid runoff into storm sewers and ditches which lead to waterways

SECTION 7 - HANDLING AND STORAGE

Avoid contact with skin, eyes and clothing. Use with adequate ventilation. Avoid breathing fumes. Use normal personal hygiene and housekeeping. Best stored below 15°C, protected from light, away from other incompatible materials.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirators.

VENTILATION REQUIREMENTS: Ventilate as necessary to eliminate fumes from the work area and maintain concentrations below the limit.

SKIN AND EYE PROTECTION: Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin and eyes from fumes

WORK, HYGIENIC PRACTICES:

As required to protect skin and eyes from dust, safety showers and/or eye wash should be available. Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

EXPOSURE LIMITS: None Established

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: Not Available

Vapor Pressure (MM Hg): Not Applicable

Vapor Density (AIR=1): Not Applicable

Specific Gravity (H₂O=1): Not Available

Percent Volatile by Volume (%): Not Applicable

Melting Point: Not Applicable

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: Insoluble in water

pH: Not Available

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal temperatures and pressures in original container. Avoid humidity, light and air. Warming will add gradual decomposition.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and Carbon dioxide.

KEEP AWAY FROM: Copper, copper alloys, iron, iron salts, strong oxidizing agents, peroxides, strong inorganic acids, and strong bases.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute toxicity LD₅₀ Above 1000mg/kg (oral, rat)

SECTION 12 - ECOLOGICAL INFORMATION

Not Available

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in accordance with all federal, state and local regulations.

RCRA WASTE #: Not Listed

SECTION 14 - TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME: Vitamin AD3 1000/100 Oily

SECTION 15 - REGULATORY INFORMATION

OSHA STATUS: Not listed

TSCA STATUS: Listed under Vitamin A Palmitate and Vitamin D3

CERCLA REPORTABLE REQUIREMENTS: (RQ) None

SARA TITLE III INFORMATION:

Section 302 Extremely Hazardous Substance Not listed

Section 313 Toxic Chemicals: Not listed

Section 311/312 Hazard Category: Not considered a hazard.

SECTION 16 - OTHER INFORMATION

Reason for Issue: New Product

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