

MATERIAL SAFETY DATA SHEET

Vitamin A, D3 & E DLC

AHC Products, Inc.

PRODUCT NAME: (As used on label and list): Vitamin A, D3 & E Dispersible Liquid Concentrate

This Material Safety Data Sheet is being provided to your company, for the purpose of providing current health and safety information to your management and employees who work with this product. Please read the data provided and then provide it to those individuals at your company who have the responsibility to insure compliance with both Federal and State Right to Know regulations, and to those employees that request information on this product.

Federal Regulations: Parts 29 and 42 Code of Federal Regulations

Date Prepared: 01/01/04

SECTION I – PRODUCT IDENTIFICATION

MANUFACTURER: AHC Products, Inc.

AHC Products, Inc.

301 West Broadway

Winchester, Kentucky

859/737-3441

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENT (Specific Chemical Identity; Common Names):

Vitamin D3, 1-Propanol

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: N/A

VAPOR PRESSURE (MM HG): N/A

VAPOR DENSITY (AIR=1): N/A

SPECIFIC GRAVITY (H2O=1): 1.0 at 20C (68F)

MELTING POINT: N/A

EVAPORATION RATE (BUTYL ACETATE=1): N/A

SOLUBILITY IN WATER: Dispersible

APPEARANCE AND ODOR: Dark brown to red, oily liquid with acrid odor

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): 43C (109F)

FLAMMABLE LIMITS:

LEL: 2.2

UEL: 14

EXTINGUISHING MEDIA: Dry chemical, foam, water, CO2

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing. Cool containers exposed to fire with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers may rupture due to buildup of pressure when exposed to extreme heat.

SECTION V – REACTIVITY DATA

STABILITY: This material is stable under normal handling and storage conditions.

CONDITIONS TO AVOID: Combustible materials, heat, open flame, sparks

INCOMPATIBILITY (MATERIALS TO AVOID): Strong bases, strong acids, strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Oxides of carbon

HAZARDOUS POLYMERIZATION: N/A

SECTION VI – HEALTH HAZARD DATA

ROUTES OF ENTRY:

INHALATION: Vapor can cause respiratory tract irritation, intoxication and loss of coordination.

SKIN: Low acute dermal toxicity. Liquid or vapor can cause irritation and redness on prolonged contact.

INGESTION: Toxic if ingested. Ingestion of large quantities may cause vomiting, diarrhea and headache.

EYES: Contact with liquid or vapor can cause irritation and redness.

HEALTH HAZARDS (ACUTE AND CHRONIC): None known.

CARCINOGENICITY: This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be “probable” or “suspected” human carcinogens. No additional test data found for product.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Adverse effects may arise if taking anticoagulants, colestipol, cholestyramine, mineral oil, oral contraceptives, Vitamin A therapy, Vitamin E therapy.

EMERGENCY OVERVIEW: Flammable liquid. Toxic if swallowed. Eye, skin and respiratory tract irritant. This product is a feed additive and diet supplement. Over dosage can have serious health effects.

FIRST AID PROCEDURES:

EYE: Hold eyelids open and flush with a steady, gently stream of water for at least 15 minutes. Seek medical attention if irritation develops or persists or if visual changes occur.

SKIN: Wash with plenty of soap and water. Seek medical attention if irritation develops or persists. Remove contaminated clothing and shoes before re-use.

INHALATION: If respiratory irritation or distress occurs, remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

INGESTION: If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention. Do not leave victim unattended.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb with an inert absorbent. Sweep up and place in an appropriate closed container. Clean up residual material by washing area with water. Collect washings for disposal.

WASTE DISPOSAL METHOD: In accordance with all federal, state and local laws.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Maximum storage temperatures <43C (<109F). Avoid breathing vapors. Avoid direct or prolonged contact with skin and eyes. Use non-sparking tools and grounded/bonded equipment and containers when transferring. Store in a tightly-closed, original container. Store in an area that is cool, dry, dark and well-ventilated.

SECTION VIII – CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFIC TYPE): When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with regulatory standards and/or industrial recommendations. Air-purifying (half-mask/full-face) respirator with cartridges/canister approved for use against organic vapors is recommended.

EYE PROTECTION: A minimum of safety glasses with side shields is recommended.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Skin contact should be minimized through the use of gloves and suitable long-sleeved clothing.

WORK AND/OR HYGIENIC PRACTICES: Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. Wash hand and face carefully

before eating, drinking, using tobacco, applying cosmetics or using the toilet. Wash exposed skin promptly to remove accidental splashes of contact with the material.

Although the information and recommendations set forth herein (hereinafter “information”) are presented in good faith and believed to be correct as of the date prepared. AHC Products, Inc. makes no representations as to the completeness or accuracy thereof. Information is provided 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 AHC Products, Inc. be responsible for damages of any nature whatsoever resulting from use of or reliance upon said information presented herein. No representations or warranties, either expressed 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. **DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES:** although reasonable care in the preparation of this document, we extend no warranties and make no representation as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user’s intended purposes or for the consequences of its use. Each user should make a determination as to the suitability of the information for their particular purpose(s). A request has been made to the manufacturer to approve the contents of this material safety data sheet. Upon receipt of any changes a new MSDS will be made available.
