

# MATERIAL SAFETY DATA SHEET

Vitamin A DLC  
AHC Products, Inc.

PRODUCT NAME: (As used on label and list): Vitamin A 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: 01/01/09

## 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):

Chemical	CAS #	Hazardous(Y/N)	Concentration (%)
Vitamin A Propionate	7069-42-3	N	500,000 IU/G
1-Propanol	71-23-8	Y	12
Stabilizer: BHT	128-37-0	Y	3
Propylene glycol	57-55-6	Y	<9
Emulsifiers/Dispersants	Confidential	N	Balance

## SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

Odor: Slight odor

pH: Not available

Physical Appearance: Light brown, oily liquid

Specific Gravity: 1.01 at 20C (68F)

Water Solubility: Miscible

Melting Point Range: Not available

Boiling Point Range: Not available

Freezing Point Range: <-25C (-13F)

Vapor Pressure: Not available

Vapor Density: Not available

Viscosity: 150 milli Pascals seconds at 20C (68F), 670 milli Pascals seconds at 0C (32F), 6550 milli Pascals seconds at -20C (-4F)

## SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash point: 41C (105F)

Flammability limits (vol/vol%): Lower: 2.2 Upper: 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.

Hazardous Decomposition Materials Under Fire Conditions: Oxides of carbon

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SECTION V – REACTIVITY DATA

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Chemical Stability: This material is stable under normal handling and storage condition.

Conditions to be Avoided: Combustible materials, heat, open flame, sparks

Materials/Chemicals to be Avoided: Strong bases, strong acids, strong oxidizing agents

Hazardous Decomposition Products: Oxides of carbon

Hazardous Polymerization: Not applicable

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SECTION VI – HEALTH HAZARD DATA

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EMERGENCY OVERVIEW: FLAMMABLE LIQUID. TOXIC IF SWALLOWED. EYE, SKIN AND RESPIRATORY TRACT IRRITANT. THIS PRODUCT IS A FEED ADDITIVE AND DIET SUPPLEMENT. OVERDOSAGE CAN HAVE SERIOUS HEALTH EFFECTS.

Physical Appearance and Odor: Light brown liquid, slight odor

POTENTIAL HEALTH EFFECTS:

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

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

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

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

Chronic Effects: None known.

EMERGENCY AND FIRST AID PROCEDURES:

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

Skin Exposure: 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.

Medical Conditions Possibly Aggravated by Exposure: Adverse effects may arise if taking anticoagulants, colestipol, cholestyramine, mineral oil, oral contraceptives, Vitamin A therapy, Vitamin E therapy

Notes to Physician: All treatments should be based on observed signs and symptoms of distress in the patient.

Consideration should be give to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically. No specific antidote available.

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SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

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Evacuation Procedures and Safety: Wear appropriate protective gear for the situation. Eliminate all sources of ignition until the area is determined to be free from explosion or fire hazards.

Cleanup and Disposal of Spill: 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.

Environmental and Regulatory Reporting: Do not flush to drain. Spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Maximum Storage Temperatures: Store at <41C (<105F)

Handling: Avoid breathing vapors. Avoid direct or prolonged contact with skin and eyes. Use non-sparking tools and grounded/bonded equipment and containers when transferring.

Storage: Store in tightly-closed, original container. Store in an area that is cool, dry, dark and well-ventilated. .

**OTHER PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. Not intended for human use.**

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#### **SECTION VIII – CONTROL MEASURES**

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Engineering Controls: General area dilution/exhaust ventilation

Respiratory Protection: 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/Face Protection: A minimum of safety glasses with side shields is recommended.

Skin Protection: Skin contact should be minimized through the use of gloves and suitable long-sleeved clothing.

Work Practice Controls: The following general measures should be taken when working or handling this material: 1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet. 3) Wash exposed skin promptly to remove accidental splashes of contact with this material.

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