

MATERIAL SAFETY DATA SHEET

Vitamin B-12, Vita-Perk

AHC Products, Inc.

PRODUCT NAME: (As used on label and list): Vitamin B-12 Powder, Vita-Perk

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: 01/01/00

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 B-12, Cyanocobalamin; Cyanocobalamine; Co-alpha-(alpha-/5-6-Dimethylbenzimidazolyl)-
Co-beta-cyanocobamide

OTHER LIMITS RECOMMENDED:

DOT Hazard Classification – Non-hazardous

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: NA

VAPOR PRESSURE (MM HG): not known

VAPOR DENSITY (AIR=1): not known

SPECIFIC GRAVITY (H₂O=1): not known

MELTING POINT: not known

EVAPORATION RATE (BUTYL ACETATE=1): not known

SOLUBILITY IN WATER: dispersible

APPEARANCE AND ODOR: Pale brown powder with a characteristic odor.

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): not know

FLAMMABLE LIMITS: not known

EXTINGUISHING MEDIA: Foam, Dry Chemical, CO₂, Water

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

UNUSUAL FIRE AND EXPLOSION HAZARDS: Products of combustion are toxic. As with most powdered organic compounds, dust explosions may be possible.

SECTION V – REACTIVITY DATA

STABILITY: stable

CONDITIONS TO AVOID: none known

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing and reducing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Thermal decomposition may produce toxic organ vapors/fumes and oxides of carbon and nitrogen.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: none known

SECTION VI – HEALTH HAZARD DATA

ROUTES OF ENTRY:

INHALATION: Yes – Remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

SKIN: Yes – Wash affected areas with plenty of water, and soap if available, for several minutes. Remove and clean contaminated clothing and shoes. Seek medical attention if irritation develops.

INGESTION: Yes – If swallowed, give 3-4 glasses of water but DO NOT induce vomiting. If vomiting does occur, give fluids again. Get medical attention to determine whether vomiting or evacuation of stomach is necessary. Do not give anything by mouth to an unconscious or convulsing person.

EYE: Yes – Immediately flush eyes with running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Get immediate medical attention.

HEALTH HAZARDS (ACUTE AND CHRONIC): no effects indicated.

SIGNS AND SYMPTOMS OF EXPOSURE: No information found on primary routes of exposure. As with most organic compounds, avoid unnecessary exposure.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: not known

EMERGENCY AND FIRST AID PROCEDURES: see above

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: CAUTION! If wet, floors may become slippery. Wear appropriate protective gear and respiratory protection where particulates of unknown concentrations may be generated (self-contained) breathing apparatus preferred for large spills. Carefully shovel spills (avoid generating dust) into appropriate containers for disposal. To remove residue, wet with water, absorb with sand or vermiculite and place in compatible container for disposal. Keep out of sewers and open bodies of water.

WASTE DISPOSAL METHOD: Dispose in compliance with all federal, state and local regulations. Incineration is the preferred method.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a sealed container in a cool, dry place.

SECTION VIII – CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFIC TYPE): Wear dust or particulates are generated by the process, a NIOSH/MSHA jointly approved respirator is advised in the absence of proper environmental controls.

VENTILATION: In processes where airborne particulates may be generated, proper ventilation must be provided in accordance with good ventilation practices.

PROTECTIVE GLOVES: Rubber or neoprene, when needed, to prevent skin contact.

EYE PROTECTION: Wear chemical goggles where there is a potential for eye contact. Use safety glasses with side shields under normal use conditions.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye wash; safety shower; protective clothing; (long sleeves, coveralls or other, as appropriate), when needed to prevent skin contact.

WORK AND/OR HYGIENIC PRACTICES: Practice standard good hygiene.

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

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