

MATERIAL SAFETY DATA SHEET

Vitamin B-12
AHC Products, Inc.

PRODUCT NAME: (As used on label and list): Vitamin B-12

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: 01/01/08

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; non-hazardous

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: not applicable

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 known

FLAMMABLE LIMITS: not known

EXTINGUISHING MEDIA: Foam, CO₂, dry chemical or 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 organic vapors/fumes.

HAZARDOUS POLYMERIZATION: will not occur

CONDITIONS TO AVOID: none known

SECTION VI – HEALTH HAZARD DATA

ROUTES OF ENTRY:

INHALATION: yes

SKIN: yes

INGESTION:

EYES: yes

CARCINOGENICITY:

NTP no

IARC MONOGRAPHS: IARC classifies cobalt compounds as possible carcinogens

OSHA REGULATED: no

SIGNS AND SYMPTOMS OF EXPOSURE: no known information found

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: no effects indicated

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: Remove to fresh air and seek medical attention for any breathing difficulty.

SKIN: Wash with soap and water. Seek medical attention if irritation persists.

EYE: Flush eyes immediately with water for at least 15 minutes. Seek medical attention if irritation persists.

INGESTED: Give 3-4 glasses of water. Do not induce vomiting. Seek medical attention if necessary.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Collect the product in a dry state.

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pick up is complete.

Avoid any penetration in sewerage system or watercourse. In case of penetration alert the authorities

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

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Handling : Avoid raising dust.

Storage : Store in tightly closed containers at about + 15°C ~ + 25°C .

Protect from moisture. Wash after handling.

SECTION VIII – CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFIC TYPE): Wear NIOSH/MSHA approved respirator in case of dust.

Hand protections recommended. Eye protection necessary. Use only in a ventilated area. Safety shower and eye bath.

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