



## VITAMIN B12 100%

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- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION** Material Identity Product Name: VITAMIN B12 100% General or Generic ID: VITAMIN Regulatory Information Number: 1-800-325-3751
- COMPOSITION/INFORMATION ON INGREDIENTS** Ingredient(s) CAS Number % (by weight)  
VITAMIN B12 98.0-100.0
- HAZARDS IDENTIFICATION**

**Potential Health Effects:** Eye Dust can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

**Skin:** May cause skin irritation. Symptoms may include redness, burning, and swelling of skin.

**Swallowing:** this material is not likely to be harmful.

**Inhalation:** This material is a dust or may produce dust.

**Breathing:** Small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms of Exposure Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: mouth and throat irritation (soreness, dry or scratchy feeling, cough).

**Target Organ Effects:** No data

**Developmental Information:** There are no data available for assessing risk to the fetus from maternal exposure to this material.

**Cancer Information:** There is no information available. The chance of this material causing cancer is unknown. This material is not listed as a carcinogen by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration.

**Other Health Effects:** This material can form dust which may cause skin or mucous membrane irritation. Symptoms may include redness, burning, and swelling. Although they may cause respiratory tract irritation, nuisance dusts do not form scar tissue or affect the structure of air spaces in the lungs. Their effects on the tissues are potentially reversible. Primary Route(s) of Entry Inhalation, Skin contact, Eye contact.
- FIRST AID MEASURES** **Eyes** If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention. **Skin** Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse. **Swallowing** First aid is not normally required. If symptoms develop, seek medical attention. **Inhalation** If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention. Note to Physicians No data
- FIRE FIGHTING MEASURES** Flash Point Not applicable Explosive Limit Not applicable Autoignition Temperature No data Hazardous Products of Combustion May form: carbon dioxide and carbon monoxide. Fire and Explosion Hazards Organic dusts can form explosive mixtures in air. Extinguishing Media regular foam, water fog, carbon dioxide, sand.

**Fire Fighting Instructions** Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS. NFPA Rating Health - 1, Flammability - 0, Reactivity - 0
- ACCIDENTAL RELEASE MEASURES** Small Spill Sweep up material for disposal or recovery. Large Spill Shovel material into containers. Thoroughly sweep area of spill to clean up any residual material.
- HANDLING AND STORAGE** Handling Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or

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using toilet facilities. Promptly remove soiled clothing and wash before reuse. Shower after work using plenty of soap and water. Storage Store in a cool, dry place at 75 degrees F or lower.

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION** Eye Protection Wear safety glasses in compliance with OSHA regulations. (Consult your safety representative.) Skin Protection Wear resistant gloves such as: latex. Respiratory Protections 3M Dust respirator No. 8710 or 9900 is recommended or a NIOSH/MSHA jointly approved dust respirator. (See your safety equipment supplier.) Engineering Controls Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below level of overexposure (from known, suspected or apparent adverse effects). Exposure Guidelines Component - VITAMIN B12 No exposure limits established
9. **PHYSICAL AND CHEMICAL PROPERTIES** Boiling Point No data Vapor Pressure No data Specific Vapor Density No data Specific Gravity No data Liquid Density No data Percent Volatiles No data Evaporation Rate No data Appearance No data State SOLID Physical Form POWDER Color N/D Odor No data pH N/D
10. **STABILITY AND REACTIVITY** Hazardous Polymerization Product will not undergo hazardous polymerization. Hazardous Decomposition May form: carbon dioxide and carbon monoxide. Chemical Stability Stable. Incompatibility Avoid contact with: acids, light.
11. **TOXICOLOGICAL INFORMATION** No data
12. **ECOLOGICAL INFORMATION** No data
13. **DISPOSAL CONSIDERATION** Waste Management Information Dispose of with other normal, solid waste
14. **TRANSPORT INFORMATION DOT** Information - 49 CFR 172.101 DOT Description: NON-REGULATED BY D.O.T. Container/Mode: 55 GAL DRUM/TRUCK PACKAGE NOS Component: None RQ (Reportable Quantity) - 49 CFR 172.101 Not applicable
15. **REGULATORY INFORMATION US Federal Regulations CERCLA RQ - 40 CFR 302.4(a) None listed CERCLA RQ - 40 CFR 302.4(b) Materials without a "listed" RQ may be reportable as an "unlisted hazardous substance". See 40 CFR 302.5 (b). SARA 302 Components - 40 CFR 355 Appendix A None Section 311/312 Hazard Class - 40 CFR 370.2 Immediate( ) Delayed( ) Fire( ) Reactive( ) Sudden Release of Pressure( ) SARA 313 Components - 40 CFR 372.65 None International Regulations Inventory Status Not determined State and Local Regulations California Proposition 65 None**
16. **OTHER INFORMATION** The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.
17. **EMERGENCY CONTACT INFORMATION CHEMTREC (800) 424-9300**