

FISHER SCIENTIFIC -- CYANOCOBALAMIN,VITAMIN B-12 -- 6810-01-449-6393

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Product Identification
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Product ID:CYANOCOBALAMIN,VITAMIN B-12

MSDS Date:03/04/1996

FSC:6810

NIIN:01-449-6393

MSDS Number: CFTJM

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC

Address:1 REAGENT LANE

City:FAIRLAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100

Emergency Phone Num:201-796-7100 800-4

24-9300(CHEMTREC)

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

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Composition/Information on Ingredients
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Ingred Name:CYANOCOBALAMIN (B12)

CAS:68-19-9

RTECS #:GG3750000

Fraction by Wt: 99%

Other REC Limits:NONE RECOMMENDED

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Hazards Identification
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LD50 LC50 Mixture:L

D50 ORAL RAT HAS NOT BEEN ESTABLISHED

Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES

Reports of Carcinogenicity: NTP: NO IARC: YES OSHA: NO

Health Hazards Acute and Chronic: THE TOXICOLOGICAL PROPERTIES OF THIS MATERIAL HAVE NOT BEEN FULLY INVESTIGATED. THIS MATERIAL MAY BE A SKIN SENSITIZER AND MAY HAVE FETAL EFFECTS.

Explanation of Carcinogenicity: IARC-2B.

Effects of Overexposure: SENSITIZATION: REDNESS, RASH, DERMATITIS.

Medical Cond Aggravated by Exposure: NONE SPECIFIED BY MFR.

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===== First Aid Measures =====

First Aid: EYES: FLUSH WITH WATER UNTIL ALL TRACES OF THIS MATERIAL ARE GONE. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS. INHAL: REMOVE FROM EXPOSURE. GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NECESSARY. INGEST: DO NOT INDUCE VOMITING. GET PROMPT QUALIFIED MEDICAL ATTENTION. (SUPPL)

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===== Fire Fighting Measures =====

Flash Point: NONE

Extinguishing Media: WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE, FOAM.

Fire Fighting Procedures: USE A SELF-CONTAINED BREATHING APPARATUS AND FULL FIRE PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard: FIRE CONDITION MAY GENERATE TOXIC FUMES.

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===== Accidental Release Measures =====

Spill Release Procedures: USE PROPER RESPIRATORY AND PROTECTIVE EQUIPMENT. SWEEP UP WITHOUT DREATING DUST; PLACE IN AN APPROPRIATE CONTAINER FOR DISPOSAL.

Neutralizing Agent: NONE SPECIFIED BY MFR.

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===== Handling and Storage =====

Handling and Storage Precautions: STORE IN A COOL, DRY, WELL-VENTILATED PLACE. KEEP CONTAINER CLOSED WHEN NOT IN USE. AVOID HEAT, SPARKS AND FLAMES.

Other Precautions: AVOID EYE AND SKIN CONTACT. DO NOT INHALE DUST.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection: NONE SPECIFIED BY MFR. FP-D: USE A NIOSH-MSHA

APPROVED RESPIRATOR FOR DUST.

Ventilation:NONE SPECIFIED BY MFR.FP-D:USE LOCAL EXHAUST AT THE WORKSITE;GENERAL EXHAUST TO MAINTAIN TLV/PEL.

Protective Gloves:FP-D:USE DISPOSABLE LATEX GLOVES.

Eye Protection:FP-D:USE DUST-PROOF GOGGLES.

Other Protective Equipment:APRON,COVERALLS.PROVIDE A LOCAL EYE WASH STATION AND QUICK DRENCH SHOWER.

Work Hygienic Practices:USE REASONABLE CARE WITH THIS ITEM.WASH HANDS BEFORE EATING.

Supplemental Safety and Health

FIRST AID:TREAT SYMPTOMATICALLY AND SUPPORTIVELY.NO SPECIFIC ANTIDOTE EXISTS.

===== Physical/Chemical Properties =====

HCC:T6

Melt/Freeze Pt:M.P/F.P Text:572F,300C

Vapor Pres:NEGLIGIBLE

Solubility in Water:MODERATE

Appearance and Odor:DARK RED CRYSTALLINE POWDER.

Percent Volatiles by Volume:NIL

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDZERS,STRONG ACIDS.

Stability Condition to Avoid:HIGH HEAT AND SOURCES OF IGNITION.

Hazardous Decomposition Products:CARBON DIOXIDE,CARBON MONOXIDE,OXIDES OF NITROGEN,PHOSPHOROUS AND COBALT.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.

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