

COBALT 1,000 UG/ML (0.10% W/V)

MSDS Number

BSBJS

National Stock Number

6810-00N040429

Product Name

COBALT 1,000 UG/ML (0.10% W/V)

Manufacturer

VHG LABS INC

Product Identification

Product ID: COBALT 1,000 UG/ML (0.10% W/V)

MSDS Date: 10/05/1990

FSC: 6810

NIIN: 00N040429

MSDS Number: BSBJS

Responsible Party

VHG LABS INC

180 ZACHARY RD #5

MANCHESTER, NH 03109

US

Emergency Phone: 603-622-7660

Info Phone: 603-622-7660

Cage: ORP29

Contractor

VHG LABS, INC.

MANCHESTER, NH 03109

US

603-622-7660/ -5180 FAX

Cage: ORP29

Ingredients

1500 MG/M3.

CAS: 7440-48-4

RTECS: GF8750000

Fraction By Weight: 0.1%

OSHA PEL 0.05 MG/M3

ACGIH TLV: 0.05 MG/M3

NITRIC ACID (SARA III)

CAS: 7697-37-2

RTECS: QU5775000

Fraction By Weight: 5%

OSHA PEL 2 PPM; 4 PPM STEL

ACGIH TLV: 2 PPM; 4 PPM STEL

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

WATER

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: >94%

OSHA PELN/K N

ACGIH TLV: N/K

Hazards

LD50 LC50 Mixture:SEE INGREDIENT 1.

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

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

Health Hazards Acute and Chronic:ACUTE: INHALATION: IRRITATION OF RESPIRATORY SYSTEM, HEADACHE, NAUSEA, VOMITING, DIZZINESS. SKIN: SEVERE IRRITATION. EYE: SEVERE IRRITATION. SKIN ABSORPTION: NONE IDENTIFIED. INGESTION: BURNS TO MOUTH , THROAT, AND STOMACH, KIDNEY DISFUNCTION. CHRONIC: NONE IDENTIFIED. TARGET ORGANS: EYES, SKIN, (EFTS OF OVEREXP)

Explanation of Carcinogenicity:COBALT: GRP 2B (IARC VOL 52, P. 363, 1991).

Effects of Overexposure:HEALTH HAZARDS: RESPIRATORY SYSTEM, TEETH.

Medical Cond Aggravated by Exposure:DAMAGED SKIN, EYE DISORDERS, CARDIOPULMONARY DISEASE.

First Aid

First Aid:INGEST: CALL PHYS. DO NOT INDUCE VOMIT. IF CONSCIOUS, GIVE WATER, MILK OR MILK OF MAGNESIA. INHAL: REMOVE TO FRESH AIR. IF NOT BRTHG, GIVE ARTF RESP. IF BRTHG IS DFCLT, GIVE OXYGEN. SKIN: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. WASH CLOTHING BEFORE REUSE. EYE: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.

Fire Fighting

Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:REACTS WITH MOST METALS TO PRODUCE HYDROGEN GAS, WHICH CAN FORM AN EXPLOSIVE MIXTURE WITH AIR. TOXIC GASES PRODUCED: OXIDES OF NITROGEN.

Accidental Release

Spill Release Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE CLOTHING. STOP LEAK IF YOU CAN DO SO WITHOUT RISK. VENT AREA. NEUTRALIZE. WITH CLEAN SHOVEL, CAREFULLY PLACE MATL INTO CLEAN, DRY CONTAINER AND COVER; REMOVE FROM AREA. FLUSH SPILL AREA WITH WATER.

Neutralizing Agent:NEUTRALIZE SPILL WITH SODA ASH OR LIME.

Handling

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. STORE IN SECURE POISON AREA. ISOLATE FROM INCOMPATIBLE MATERIALS.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

Exposure Controls

Respiratory Protection:WEAR NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN .

Ventilation:VENT HOOD.

Protective Gloves: RUBBER GLOVES.
Eye Protection: ANSI APPR CHEM WORK GOG/FULL LGTH FCSHLD
Other Protective Equipment: LAB COAT AND APRON. EMERGENCY EYEWASH AND
DELUGE SHOWER .
Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTURER.

Chemical Properties

Solubility in Water: COMPLETE (100%)
Appearance and Odor: COLORLESS LIQUID, ODORLESS.
Percent Volatiles by Volume: 99

Stability

Stability Indicator/Materials to Avoid: YES
STRONG BASES, STRONG REDUCING AGENTS, ALKALIES, MOST COMMON METALS.
Stability Condition to Avoid: HEAT.
Hazardous Decomposition Products: OXIDES OF NITROGEN.

Disposal

Waste Disposal Methods: DISPOSE IN ACCORDANCE WITH ALL APPLICABLE
FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS. EPA HAZARDOUS
WASTE NO: D002 (CORROSIVE WASTE).

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