

VANADIUM STANDARD 1000 PPM, V-105

MSDS Number

BXJMV

National Stock Number

6810-00N059531

Product Name

VANADIUM STANDARD 1000 PPM, V-105

Manufacturer

RED BIRD SERVICE

Product Identification

Product ID:VANADIUM STANDARD 1000 PPM, V-105

MSDS Date:12/30/1993

FSC:6810

NIIN:00N059531

MSDS Number: BXJMV

Responsible Party

RED BIRD SERVICE

205 WESTERN AVE

OSGOOD , IN 47037

US

Emergency Phone: 800-424-9300(CHEMTREC)

Info Phone: 800-428-3502

Preparer: GENE C FEITH

Cage: 0H0Z7

Contractor

RED BIRD SERVICE

OSGOOD, IN 47037

US

812-689-4040;800-428-3502

Cage: 0H0Z7

Ingredients

NITRIC ACID (SARA 302/313) (CERCLA)

CAS: 7697-37-2

RTECS: QU5775000

Fraction By Weight: 15-25%

OSHA PEL2 PPM

ACGIH TLV: 2 PPM/4 STEL; 9495

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

VANADIC ACID, AMMONIUM SALT; (AMMONIUM VANADATE, META)

CAS: 7803-55-6

RTECS: YW0875000

Fraction By Weight:

OSHA PEL0.05 MG (V2O5)/M3

ACGIH TLV: 0.05MG(V2O5)/M3;9495

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

WATER

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: BALANCE

OSHA PELN/K

ACGIH TLV: N/K

PERS TO DETECT THE DELAY ONSET OF SEVERE

RTECS: 9999999ZZ

CALL POISON CTL CENTER. NEVER GIVE ANYTHING BY

RTECS: 9999999ZZ

INDUCE VOMIT. IF THE EXPOSED PERS IS RESPONSIVE, GIVE

RTECS: 9999999ZZ

AS POSS AFTER EXPOS. GET MED HELP (IN PLANT,

RTECS: 9999999ZZ

ASSISTANCE FOR FURTHER TREATMENT. OBSERVATION &

RTECS: 9999999ZZ

AREAS. W/5% SOLN OF SODIUM BICARBONATE (NA*HCO3). IF

RTECS: 9999999ZZ

GASTRIC TUBE IS DEBATABLE. ACTIVATED CHARCOAL IS NO

RTECS: 9999999ZZ

NEUTRALIZE THE MATERIAL.

RTECS: 9999999ZZ

AVOID TRANSFERRING IT FROM YOUR HANDS TO

RTECS: 9999999ZZ

DRINK, OR SMOKE IN ANY WORK AREA. PROVIDE

RTECS: 9999999ZZ

WORKERS WHO ARE REGULARLY EXPOSED TO NITRIC ACID.

RTECS: 9999999ZZ

IN THE WORKPLACE; EVEN EXPERIENCED WORKERS SHOULD

RTECS: 9999999ZZ

CLOTHING AND LAUNDER IT BEFORE WEARING IT AGAIN;

RTECS: 9999999ZZ

GOGGLES & FULL LENGTH FACESHIELD. FOLLOW OSHA

RTECS: 9999999ZZ

WITH NITRIC ACID. CHOOSE PROTECTIVE

RTECS: 9999999ZZ

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:INHALATION MAY INCLUDE IRRITATION TO THE RESPIRATORY TRACT. INGESTION MAY INCLUDE SYMPTOMS OF BURNING SENSATION, VOMITING, AND DIARRHEA. SKIN CONTACT MAY CAUSE IRRITATION, REDNESS, PAIN AND BURNS. EYE CONTACT SYMPTOMS MAY INCLUDE SEVERE BURNS AND EYE DAMAGE. CONTACT LENSES POSE A SPECIAL HAZARD; SOFT (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NONE SPECIFIED BY MANUFACTURER.

Effects of Overexposure:HLTH HAZ: LENSES MAY ABSORB IRRITANTS AND ALL LENSES CONCENTRATE THEM. DO NOT WEAR CONTACT LENSES IN ANY WORK AREA.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:EYE:IMMED FLUSH EYES, INCLUDING UNDER THE EYELIDS, GENTLY BUT THORO W/PLENTY OF RUNNING H*2O FOR AT LEAST 15 MIN. TREAT FOR EYE BURNS. SKIN:IMMED WASH AFFECTED AREA W/SOAP & H*2O. WATCH FOR CHEM SKIN BURNS & TREAT THEM ACCORDG. INHAL:REMOVE EXPOSED PERS TO FRESH AIR; RESTORE AND/OR SUPPORT HIS/HER BRTHG AS NEEDED. IF EXPOS IS SEVERE, HOSPITALIZATION W/CAREFUL MONITORING BY TRAINED MED (ING 4)

Fire Fighting

Extinguishing Media:USE EXTINGUISHING AGENTS THAT WILL PUT OUT THE SURROUNDING FIRE.

Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA & FULL PROT EQUIP . WEAR SCBA W/FULL FACEPIECE OPERATED IN

PRESSURE-DEMAND/POS-PRESSURE MODE. CHOOSE PROT EQUIP CAREFULLY.

Unusual Fire/Explosion Hazard:MATERIAL IS STABLE IN CLOSED CONTAINERS AT ROOM TEMPERATURE UNDER NORMAL STORAGE AND HANDLING CONDITIONS.

Accidental Release

Spill Release Procedures:NEUTRALIZE SPILL WITH SODIUM BICARBONATE OR SODA ASH. DO NOT OVER NEUTRALIZE. NEUTRALIZED WASTE MAY BE CONTAINERIZED AND DISPOSED IN AN APPROVED WASTE DISPOSAL.

Neutralizing Agent:SODIUM BICARBONATE OR SODA ASH.

Handling

Handling and Storage Precautions:STORE IN COOL, DRY, WELL-VENT AREA
AWAY FROM INCOMPAT CHEM. CONSIDER OUTSIDE, ISOLATED, OR DETACHED
STORAGE. PROTECT CONTAINERS FROM DIRECT SUNLIGHT.

Other Precautions:PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Exposure Controls

Respiratory Protection:NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR
EXPOSURE OF CONCERN . NOT EXPECTED TO BE REQUIRED UNDER NORMAL
LABORATORY USE.

Ventilation:GENERAL IS ADEQUATE.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:ANSI APPROVED CHEMICAL WORKER (ING 17)

Other Protective Equipment:ANSI APPRVD EMER EYE WASH & DELUGE SHOWER .
WEAR IMPERVIOUS BOOTS, APRONS, GAUNTLETS, TO PRVNT SKIN CONT (ING
18)

Work Hygienic Practices:PRACTICE GOOD PERSONAL HYGIENE; ALWAYS WASH
THORO AFTER USING THIS MATL. KEEP IT OFF OF YOUR CLTHG & EQUIP.
(ING 12)

Supplemental Safety and Health

VP:14 LIKE WATER. VAP DENS: 0.7 LIKE WATER. MATLS TO AVOID: SUCH AS
WOOD, PAPER, SAWDUST, ALCOHOL, ETC, MAY CAUSE FIRES. COMBUST MATLS
CAN ATTAIN INCR FLAMM AFTER BEING EXPOSED TO NITRIC ACID EVEN IF
THEY DO NOT IMMED CATCH FIRE.

Chemical Properties

Boiling Pt:B.P. Text:212F,100C

Melt/Freeze Pt:M.P/F.P Text:0C (32F)

Vapor Pres:SUPDAT

Vapor Density:SUPDAT

Spec Gravity:1.0 (H*20=1)

Evaporation Rate & Reference:BUAC=1: GREATER THAN 1

Solubility in Water:COMPLETE

Appearance and Odor:AN ODORLESS CLEAR, BLUE-GREEN LIQUID.

Percent Volatiles by Volume:99

Stability

Stability Indicator/Materials to Avoid:YES

NITRIC ACID REACTS EXPLO W/METALLIC POWDERS, CARBIDES, HYDROGEN
SULFIDE, & TURPENTINE. CNTCT W/ORGANIC MATL (SUPDAT)

Stability Condition to Avoid:MATERIAL IS STABLE IN CLOSED CONTAINERS AT
ROOM TEMPERATURE UNDER NORMAL STORAGE AND HANDLING CONDITIONS.

Hazardous Decomposition Products:OXIDES OF NITROGEN.

Disposal

Waste Disposal Methods:DISPOSAL MUST BE I/A/W FEDERAL, STATE & LOCAL
REGULATIONS .

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