
CUSTOM PLASMA STANDARD, PLFE2-2Y

MSDS Number

BSCLL

National Stock Number

6810-00N044950

Product Name

CUSTOM PLASMA STANDARD, PLFE2-2Y

Manufacturer

SPEX INDUSTRIES INC

Product Identification

Product ID: CUSTOM PLASMA STANDARD, PLFE2-2Y

MSDS Date: 08/10/1992

FSC: 6810

NIIN: 00N044950

MSDS Number: BSCLL

Responsible Party

SPEX INDUSTRIES INC

3880 PARK AVE

EDISON , NJ 08820

US

Emergency Phone: 908-549-7144

Info Phone: 908-549-7144

Preparer: VANAJA SIVAKUMAR

Cage: 07977

Contractor

SPEX CERTIPREP INC

METUCHEN, NJ 08840

US

732-549-7144

Cage: 07977

Ingredients

NITRIC ACID; (HNO*3) (SARA III)

CAS: 7697-37-2

RTECS: QU5775000

Fraction By Weight: 2-5%

OSHA PEL2 PPM;4 STEL

ACGIH TLV: 2 PPM;4 STEL

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

IRON; (FE)

CAS: 7439-89-6

RTECS: NO4565500

Fraction By Weight: 0.1-1%

OSHA PELN/K

ACGIH TLV: N/K

WATER

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: 90-97%

OSHA PELN/K

ACGIH TLV: N/K

COUGHING, WHEEZING, LARYNGITIS, SHORTNESS OF

RTECS: 9999999ZZ

KNOWN TO CONTAIN ANY CHEMICAL LISTED AS A CARCINOGEN

RTECS: 9999999ZZ

AGENTS/COMBUSTS MAY CAUSE IGNIT. CAN REACT

RTECS: 9999999ZZ

FULL LENGTH FACE SHIELD .

RTECS: 9999999ZZ

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:IRON MAY BE HARMFUL IF INGESTED, INHALED, OR CNTCD WITH SKIN/EYES. IT CAN BE PARTICULARLY IRRIT TO MUC MEMBS OF THE UPPER RESP TRACT. CONC NITRIC ACID MAY BE FATAL IF TOO MUCH IS INHALED OR ABSORBED T HROUGH THE SKIN. CONC NITRIC ACID VAPOR/MIST IS AN IRRIT OF EYES, MUC MEMB & SKIN. IN CNTCT W/EYES, (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ:PRODUCES SEV BURNS WHICH MAY RSLT IN PERM DMG & VISUAL IMPAIRMENT. ON SKIN, LIQ/CONC VAP PRODUCES IMMED, SEV & PENETRATING BURNS; CONC SOLNS CAUSE DEEP ULCERS & STAIN THE SKIN & BRIGHT YELLOW OR YELLOWISH BROWN COLOR. THE VAP & MIST MAY ERODE THE EXPOSED TEETH W/PRLNGD EXPOSURE. INGEST OF LIQ WILL (SUPP DATA)

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:EYES: FLUSH WITH WATER FOR AT LEAST 15 MIN OCCASIONALLY LIFTING UPPER AND LOWER EYELIDS. SKIN: REMOVE CONTAMINATED CLOTHING, THEN FLUSH WITH WATER FOR AT LEAST 15 MIN. WASH CLTHG THORO BEFORE REUSE. I NHAL: MOVE TO FRESH AIR. INGEST: DO NOTINDUCE VOMITING. IMMEDIATELY GET MEDICAL HELP. ONLY IF THE PATIENT IS CONSCIOUS GIVE LARGE QUANTITIES OF MILK. IF IRRIT CONTINUES, GET MED ATTN IMMED.

Fire Fighting

Extinguishing Media:APPROPRIATE TO SURROUNDING FIRE CONDITIONS.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT . CONC HNO*3 IS NOT COMBUST, BUT IS A STRONG OXIDIZER & ITS HEAT OF RXN W/REDUCING (ING 6)
Unusual Fire/Explosion Hazard:CONC HNO*3 REACTS EXPLOSIVELY W/COMBUSTIBLE ORGANIC OR READILY OXIDIZABLE MATERIALS SUCH AS; ALCOHOL, WOOD, TURPENTINE, METAL POWDERS, HYDROGEN SULFIDE, ETC.

Accidental Release

Spill Release Procedures:VENT AREA. DILUTE SPILL W/WATER & NEUT W/SODA ASH, LIMESTONE ETC. WIPE UP & PUT INTO A SEALED CNTNR FOR PROPER DISP. WASH SPILL SITE OFF W/WATER AFTER MATL PICK UP IS COMPLETE. WEAR CHEM RESISTANT GLA SSES, GLOVES & CLTHG. WEAR NIOSH/MSHA APPRVD RESP.
Neutralizing Agent:SODA ASH, LIMESTONE, ETC.

Handling

Handling and Storage Precautions:CONCENTRATED NITRIC ACID WILL ATTACK SOME FORMS OF PLASTICS, RUBBER AND COATINGS.
Other Precautions:STORE AT ROOM TEMPERATURES. KEEP TIGHTLY SEALED WHEN NOT IN USE. HAVE IMMEDIATE AVAILABILITY OF AN EYE WASH IN CASE OF EMERGENCY.

Exposure Controls

Respiratory Protection:NIOSH/MSHA APPROVED RESPIRATOR.
Ventilation:CHEMICAL FUME HOOD.
Protective Gloves:IMPERVIOUS GLOVES .
Eye Protection:ANSI APPRVD CHEM WORK GOGG & (ING 7)
Other Protective Equipment:LAB COAT. EMERGENCY EYEWASH AND DELUGE SHOWER .
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
MATLS TO AVOID:SUCH AS; ALCOHOL, WOOD, TURPENTINE, METAL POWDERS, HYDROGEN SULFIDE, ETC. CONTACT W/STRONG BASES WILL CAUSE VIOLENT SPLATTERING. EFTS OF OVEREXP: CAUSE IMMED PAIN & BURNS OF MOUTH, ESOP HAGUS & GI TRACT. INHAL MAY BE FATAL CAUSING SPASM, INFLAMM & EDEMA OF THE LARYNX & BRONCHI, CHEM PNEUMONITIS (ING 4)

Chemical Properties

HCC:C3
Spec Gravity:1
Solubility in Water:SOLUBLE
Appearance and Odor:TRANSPARENT WITH AN ACRID ODOR.

Stability

Stability Indicator/Materials to Avoid:YES
CONC HNO*3 IS A POWERFUL OXIDIZING AGENT. IT REACTS EXPLOSIVELY W/COMBUST ORGANIC/READILY OXIDIZABLE MATLS (SUPP DATA)
Stability Condition to Avoid:ELEVATED TEMPERATURES MAY CAUSE CONTAINERS TO BURST AND LIBERATE TOXIC OXIDES OF NITROGEN.
Hazardous Decomposition Products:WILL RELEASE TOXIC NITROGEN OXIDE FUMES AND VAPORS.

Disposal

Waste Disposal Methods:CONTACT LOCAL HAZARDOUS OR CHEMICAL WASTE DISPOSAL AGENCY FOR REGULATIONS. DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS .

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