View NSN Online: https://aerobasegroup.gr/nsn/6685-00-291-0991 PALMER INSTRUMENTS INC -- MERCURY -- 6685-00-291-0991 Product ID:MERCURY MSDS Date:04/03/1991 FSC:6685 NIIN:00-291-0991 MSDS Number: BZNRK === Responsible Party === Company Name: PALMER INSTRUMENTS INC Address:234 WEAVERVILLE HWY City: ASHEVILLE State:NC ZIP:28804 Country:US Info Phone Num:704-645-6059 Emergency Phone Num:704-645-6059 CAGE:23471 === Contractor Iden tification === Company Name: PALMER INSTRUMENTS INC. Address:234 WEAVERVILLE HWY. Box:City:ASHEVILLE State:NC ZIP:28804 Country:US

Phone:704-658-3131

CAGE:23471

======= Composition/Information on Ingredients ========

Ingred Name:MERCURY (SARA 313) (CERCLA); (METALLIC MERCURY)

(QUICKSILVER) CAS:7439-97-6

RTECS #:OV4550000 Fraction by Wt: 100%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:C, 0.1 MG/M3; Z-2 ACGIH TLV:S,0.025 MG/M3; A4;96

EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB

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====== Hazards Identification ======== 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: ELEMENTAL HG, LIQ/VAP, TOXIC DUE TO LIQ SOLUBILITY, LACK OF CHARGE, MEMBRANE PERMEABILITY. INHAL 80% VAP DIFFUSE RAPIDLY THRU ALVEOLAR MEMBRANES INTO BLOOD, SYSTEMATICALLY TRANSP TO BODY TISSUE/BRAIN.HI VAP CONCEN EXPO FOR BRIEF PER CAUSE PNEUITIS, CHEST PAINS, DYSPNEA, COUGH, STOMATITIS, GINGIVITS, SALV. ABSORBED SLOWLY (SIGN/SYMP) Effects of Overexposure: THRU SKIN. CHRONIC SYSM: CNS W/TREMORS, VAR NEUROPSYCHIATRIC DIST.GI UPTAKE OF HG LOW(5%).SKIN:IRRIT/SENS/NEUROTOXIN/NEPHROTOXIN.RED,IRRIT,SEN DERM, ABSORBED THRU INTACT SKIN CAUSING ANURIA. EYE: IRRIT, CORR ,CORNEAL INJURY/BURNS,VISUAL DIST.INGEST:NEUROTOXIC/NEPHROTOXIC, VIOLENT PAIN, PROFUSE VOMIT, SEVER PURG, PERI VASCU (SUPPL) Medical Cond Aggravated by Exposu re:NONE SPECIFIED BY MANUFACTURER. First Aid:EYE:FLUSH W/RUNNING WATER FOR 15MINS,INCLUDE UNDER EYELIDS. AIR.RESTORE &/OR SUPPORT BREATH AS NEEDED.ADMIN OXY FOR CHEM PNEUMONITIS . INGEST: GASTRIC LAVAGE W/5%SOLN OF SODIUM FORMALDEHYDE

SKIN:REMOVE CONTAMIN CLOTH.WASH W/SOAP/WATER. INHAL:REMOVE TO FRESH SULFOXYLATE FOLLOW W/2%NAHCO2, FINALLY LEAVE 250CC OF SODIUM FORMALDEHYDE SULFOXYLATE IN STOMACH.GET MED ASS IST.

Extinguishing Media:DRY CHEM, CARBON DIOXIDE, WATER SPRAY, FOAM.LG FIRES:USE WATERSPRAY, FOG OR ALCOHOL FOAM.

Fire Fighting Procedures: FIREFIGHTING: MOVE CNTNRS FRM AREA IF POSSIBLE.COOL CNTNRS EXPO TO FLAMES W/WATER FRM SIDE TIL WELL AFT FIRE IS OUT.USE AGENTS SUITABLE FOR TYPE OF FIRE.

Unusual Fire/Explosion Hazard: USE WATER IN FLOODING AMTS AS FOG. AVOID BREATHING CORROSIVE & POISONOUS VAPORS. KEEP UPWIND.

======== Accidental Release Measures ==========
Spill Release Procedures:HG EVAPORATE VERY SLOWLY.SPILL HG FORMS TINY GLOBULES EVAPORATE FASTER THAN SINGLE POOL, DEVELOPING VAP CONCEN.DO NOT TOUCH.STOP W/O RISK.TAKEUP W/SAND/OTHER ABSORB MATL.PLACE INTO CNTNR.HG SPILL KIT M AY BE USED.LG SPILL DIKE.ISOLATE AREA/DENY ENTRY.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.
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Handling and Stor age Precautions:STORE IN CLSD UNBREAKABLE CNTNR(POLYETHYLENE)IN COOL DRY WELL-VENTI AREA AWAY FROM HEAT SOURCES.PROTECT CNTNR FRM PHYS DMG. Other Precautions:PROVIDE PREPLACEMENT/PERIODIC MED EXAMS FOR REG EXPO TO HG W/EMPHASIS DIRECTED TO CNS/SKIN/LUNGS/LIVER/KIDNEYS/GI TRACT.
====== Exposure Controls/Personal Protection ========
Respiratory Protection:SELF-CONTAINED BREATHING APPARATUS CAN BE USED UP TO 5MG/M3 W/FULL FACEPIECE ABOVE 1MG/M3.POSITIVE PRESSURE-TYP AIR SUPPLIED BREATH EQPMT RECOMMENDED ABOV 5MG/M3. Ventilation:ADEQU EXHAU VENTI TO MEET TLV REQMTS.OPERATIONS REQUIRING HG SURFACE REDUCE TEMP TO LIMIT VAP/MIN VAP EXPO W/LOC EXHAUST Protective Gloves:RUBB GLOVES Eye Protection:CHEM SAF GLASSES.
Other Protective Equipment:PROTECTIVE CLOTH APPROPRIATE FOR WORK SITUATION.
Work Hygienic Practices:SEPARATE WORK/STREET CLOTH.STORE WORKCLOTH IN SPEC LOCKERS.SHOWER BEF CHANGING TO STREAT CLOTHES. Supplemental Safety and Health INCOMP M
ATL:METHYLSILANCE,OXY,OXIDANTS(BR,PEROXYFORMIC ACID,CHLORINE BIOXIDE,NITRIC ACID,TETRACARBONYLNICKEL,NITROMETHANE,SILVER PERCHLORATE). HEALTH HAZ:DEATH FRM UREMIA.INHAL:IRRIT,SENS,NEUROTOXIC.I MMED DYSPNEA,FEVER,NAU,VOMIT,DIARRH,METALLIC TASTE,BRONCH,PULM EDEMA PNEUMOTHORAX ACIDOSIS RENAL DMG/FAILLIRE MERCURIALIS

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

HCC:T6

Boiling Pt:B.P. Text:675F,357C Melt/Freeze Pt:M.P/F.P Text:-38F,-39C Vapor Pres:0.0012@2

0C Vapor Density:7.0 Spec Gravity:13.6 Solubility in Water:INSOLUBLE Appearance and Odor:SILVER-WHITE, HEAVY MOBILE LIQUID METAL.
======== Stability and Reactivity Data =========
VIOLENT RX:ACETYLINIC CMPDS;AMMONIA;BORON;DIIODOPHOSHPIDE;ETHYLENE OXIDE;METALS(AL,K,LI,NA,RU),METHYLAZIDE,(SUPPLEMENTA) Stability Condition to Avoid:DOES NOT IGNIT EREADILY.FLAMM,POIS GASES MAYACCUMULATE IN TANKS/HOPPER CARS.MAY IGNIT

Hazardous Decomposition Products:THERMAL DECOMPOSTION PRODUCTS INCLUDE TOXIC MERCURY VAPOR & OXYGEN.

COMBUST(WOOD, PAPER, OIL).

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

Waste Disposal Methods:NONE SPECIFIED BY MANUFACTURER. HMIS:DISPOSE IAW ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.CONSULT PROPER AUTHORITIES FOR ADVICE.

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