

MERCURY IN GLASS THERMOMETER

MSDS Number

BKBXS

National Stock Number

6685-00-722-6358

Product Name

MERCURY IN GLASS THERMOMETER

Manufacturer

WEKSLER INSTRUMENTS CORP

Product Identification

Product ID:MERCURY IN GLASS THERMOMETER

MSDS Date:01/01/1991

FSC:6685

NIIN:00-722-6358

MSDS Number: BKBXS

Responsible Party

WEKSLER INSTRUMENTS CORP

80 MILL ROAD

FREEPORT , NY 11520-4616

US

Emergency Phone: 516-623-0100/800-424-9300(CHEMTREC)

Info Phone: 516-623-0100

Preparer: DEANNE M. EMORY

Cage: 64467

Contractor

WEKSLERIGLASS THERMOMETER CORP

FREEPORT, NY 11520

US

516-623-0100

Cage: 64467

Ingredients

MERCURY (SARA III)

CAS: 7439-97-6

RTECS: OV4550000

Fraction By Weight: 100% %

OSHA PELs, C, 0.1 MG/M3

ACGIH TLV: S, 0.05 MG/M3; 9192

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

Hazards

LD50 LC50 Mixture:NOT 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:ACUTE: INHALATION OF HIGH LEVELS CAN

LEAD TO SEVERE RESPIRATORY IRRITATION, CHEST PAINS, COUGHING AND BREATHING DIFFICULTIES. CNS, KIDNEY AND/OR LIVER DAMAGE MAY OCCUR. CHRONIC: GUM, MOUTH INFLAMMATION, EXCESS SALIVATION, METALLIC TASTE, GINGIVITIS, IRRITABILITY, TREMORS, DEPRESSION, STOMATITIS, NERVOUSNESS

Explanation of Carcinogenicity:PRODUCT CONTAINS NO MATERIALS CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.

Effects of Overexposure:RESPIRATORY IRRITATION, CHEST PAINS, COUGHING, BREATHING DIFFICULTIES, CNS DAMAGE, KIDNEY/LIVER DAMAGE, GUM/ MOUTH INFLAMMATION, EXCESS SALIVATION, METALLIC TASTE, GINGIVITIS, IRRITABILITY, TREMORS, DEPRESSION, STOMATITIS, NERVOUSNESS, PERSONALITY CHANGES.

Medical Condition Aggravated by Exposure:PERSONS WITH CHRONIC DISEASES SUCH AS TUBERCULOSIS, KIDNEY DISEASE, LIVER DISEASE AND ALCOHOLISM OR ARE IN POOR PHYSICAL CONDITION SHOULD BE EXCLUDED FROM CONTINUOUS EXPOSURE TO MERCURY VAPORS.

First Aid

First Aid:CONTACT A QUALIFIED PHYSICIAN. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING DIFFICULT, GIVE OXYGEN. EYES: OCCASIONAL CONTACT USUALLY HARMLESS IF WASHED OUT IMMEDIATELY. FLUSH WITH WATER FOR 15MINUTES. SKIN: WASH EXPOSED AREA WITH SOAP AND WATER. CAN BE ABSORBED THROUGH THE SKIN. INGESTION: USUALLY HARMLESS. DO NOT INDUCE VOMITING.

Fire Fighting

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:NONE

Lower Limits:NONE

Upper Limits:NONE

Extinguishing Media:APPROPRIATE FOR SURROUNDING FIRE

Fire Fighting Procedures:APPROPRIATE FOR SURROUNDING FIRE

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

Accidental Release

Spill Release Procedures:USE APPROPRIATE RESPIRATORY PROTECTION AND PROTECTIVE CLOTHING. CLEAN UP SPILLS IMMEDIATELY WITH VACUUM EQUIPMENT THAT HAS A FILTERED EXHAUST. DO NOT DRY SWEEP. DECONTAMINATE WITH A MERCURY DECONTAMINANT. REPORTABLE QUANTITY (RQ) IS 1 POUND.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:HANDLE AND STORE THERMOMETER WITH PROPER CARE.

Other Precautions:MERCURY WILL READILY FORM AMALGAMS WITH GOLD AND SILVER.

Exposure Controls

Respiratory Protection:IF MERCURY SPILLAGE & PEL IS EXCEEDED.

RESPIRATORY PROTECTION SHOULD BE NIOSH-MESA CERTIFIED.

Ventilation:FOR MERCURY TO KEEP CONCENTRATIONS BELOW PEL. LOCAL EXHAUST AT THE POINT OF ORIGIN. MECHANICAL ALSO RECOMMENDED.

Protective Gloves:IMPERVIOUS

Eye Protection:GLASSES OR GOGGLES

Other Protective Equipment:TIGHTLY WOVEN (IE, TYVEK) WORK CLOTHING

FITTING CLOSELY ABOUT NECK, WRISTS AND ANKLES SHOULD BE WORN.

Work Hygienic Practices:NO FOOD, FOOD STUFFS, OR TOBACCO PRODUCTS SHOULD BE PRESENT IN MERCURY AREAS. NO SMOKING OR EATING IN MERCURY AREAS.

Supplemental Safety and Health

CLOTHING SHOULD BE REMOVED AND WASHED FREQUENTLY.

Chemical Properties

HCC:N1

Boiling Pt:B.P. Text:675F,357C

Vapor Pressure:0.0012

Vapor Density:1.015

Spec Gravity:13.59
Evaporation Rate & Reference:DEPENDS ON TEMP AND PRESS
Solubility in Water:SLIGHT
Appearance and Odor:SILVER METALLIC LIQUID, MOBILE AND ODORLESS
Percent Volatiles by Volume:100 %

Stability

Stability Indicator/Materials to Avoid:YES
HALOGENS, NITRIC ACID, AMMONIA GAS, ALUMINUM, ACETYLENE AND ACETYLENE PRODUCTS.
Stability Condition to Avoid:HEAT AND HIGH TEMPERATURES
Hazardous Decomposition Products:MERCURY VAPORS

Disposal

Waste Disposal Methods:REMOVE MERCURY AND MATERIALS THAT HAVE COME IN CONTACT WITH MERCURY TO PROPER DISPOSAL AREA. MERCURY IS RECYCLABLE. DO NOT PUT IN GARBAGE, FLUSH IN SEWER, OR INCINERATE. DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGS.

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