

SIGMA CHEMICAL CO -- MERCURIC CHLORIDE, M1136 -- 6810-01-292-3730

=====
Product Identification
=====

Product ID:MERCURIC CHLORIDE, M1136

MSDS Date:01/08/1991

FSC:6810

NIIN:01-292-3730

MSDS Number: BJSJV

=== Responsible Party ===

Company Name:SIGMA CHEMICAL CO

Box:14508

City:ST. LOUIS

State:MO

ZIP:63178

Country:US

Info Phone Num:800-325-3010

Emergency Phone Num:314-771-5765

CAGE:21076

=== Contract

or Identification ===

Company Name:SIGMA CHEMICAL COMPANY

Address:3050 SPRUCE ST

Box:14508

City:ST LOUIS

State:MO

ZIP:63178

Country:US

Phone:314-771-5765

CAGE:21076

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

Ingred Name:MERCURIC CHLORIDE (SARA III)

CAS:7487-94-7

RTECS #:OV9100000

Fraction by Wt: 100%

OSHA PEL:0.1 MG HG/M3;SKIN;C

ACGIH TLV:0.1 MG HG/M3; 9192

=====
Hazards Identification
=====

LD50 LC50 Mixture:LD50:ORAL:1 MG/KG(RAT)

;DRML:41MG/KG(RAT)

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

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

Health Hazards Acute and Chronic:ACUTE:MAY BE FATAL IF

INHALED,SWALLOWED OR ABSORBED THROUGH SKIN. MATL IS EXTREMELY DESTRUCTIVE TO TISSUE OF MUC MEMB & UPPER RESP TRACT, EYES & SKIN. INHALATION MAY BE FATAL AS A RESULT OF SPASM, INF LAMMATION & EDEMA OF LARYNX & BRONCHI, CHEM PNEUMONITIS & PULMONARY EDEMA. SYMPS OF EXPOS MAY INCL (SEE EFTS OF OVERE

XP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ:BURNING SENSATION, COUGHING, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA & VOMIT. MAY CAUSE NERVOUS SYSTEM DISTURBANCES. PRLNGD EXPOS CAN CAUSE STOMACH PAINS, VOMITING, DIARRH EA, NEUROTOXIC EFFECTS. CHRONIC:LAB EXPERIMENTS HAVE SHOWN MUTAGENIC EFTS. TARGET ORGANS:KIDNEYS, GI SYSTEM, NERVES.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

=====

== First Aid Measures =====

First Aid:EYE/SKIN:IMMED FLUSH W/COPIOUS AMTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING/SHOES. ASSURE ADEQ FLUSHING OF EYES BY SEPARATING EYELIDS W/FINGERS. INHAL:REMOVE TO FRESH AIR . IF NOT BRTHG GIVE ARTF RESP. IF BRTHGDFCLT, GIVE OXYGEN. INGEST:WASH OUT MOUTH W/WATER PROVIDED PERSON IS CONSCIOUS. CALL MD IMMED. WASH CONTAMINATED CLTHG BEFORE REUSE. DISCARD CONTAM SHOES.

=====

Fire Fighting Measures =====

Extinguishing Media:NONCOMBUSTIBLE. USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

Unusual Fire/Explosion Hazard:EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

===== Accidental Release Measures =====

Spill Release Procedures:EVACUATE AREA. WEAR NIOSH/MSHA APPRVD SCBA, RUBBER

BOOTS & HEAVY RUBBER GLOVES. SWEEP UP, PLACE IN BAG & HOLD FOR WASTE DISPOSAL. AVOID RAISING DUST. VENTILATE AREA & WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

=====
===== Handling and Storage =====

Handling and Storage Precautions:DO NOT BREATHE DUST. AVOID CONTACT W/EYES, SKIN & CLOTHING. AVOID PRLNGD/RPTD EXPOS. KEEP TIGHTLY CLOSED. PROTECT FROM LIGHT.

Other Precautions:PRODUCT IS HIGHLY TOXIC, CORROSIVE; POSSIBLE MUTAGEN.

NEUROLOGICAL HAZARD. READILY ABSORBED THROUGH SKIN.

=====
===== Exposure Controls/Personal Protection =====

Respiratory Protection:WEAR APPROPRIATE NIOSH/MSHA APPROVED RESPIRATOR.

Ventilation:USE ONLY IN A CHEMICAL FUME HOOD.

Protective Gloves:CHEMICAL-RESISTANT GLOVES.

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:PROTECTIVE CLOTHING AND FACESHIELD (8-INCH MINIMUM). SAFETY SHOWER AND EYE BATH.

Work Hygienic Practic

es:WASH HANDS THOROUGHLY AFTER USE AND BEFORE EATING, SMOKING OR USING SANITARY FACILITIES .

Supplemental Safety and Health

WASTE DISP METH:SULFIDE W/SODIUM HYPOCHLORITE. NEUTRALIZE SOLUTION BEFORE FLUSHING DOWN DRAIN. OBSERVE ALL FEDERAL, STATE AND LOCAL LAWS.

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

Melt/Freeze Pt:M.P/F.P Text:531F,277C

Vapor Pres:1.3 @ 236C

Spec Gravity:5.440

Appearance and Odor:WHITE CRYSTALLINE POWDER

=====
===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES STRONG OXIDIZING AGENTS, STRONG BASES.

Stability Condition to Avoid:SENSITIVE TO LIGHT

Hazardous Decomposition Products:HYDROGEN CHLORIDE GAS, MERCURY/MERCURY OXIDES.

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

Waste Disposal Methods:MATL SHOULD BE DISSOLVED IN 1)WATER; 2)ACID SOLN OR 3)OXIDIZED TO WATER-SOLUBLE STATE. PRECIPITATE MATL AS SULFIDE, ADJUSTING PH OF SOLN TO 7 TO C

COMPLETE PRECIPITATION. FILTER

INSOLUBLES & DISPOSE IN HAZ WASTE SITE. DESTROY ANY EXCESS
(SEESUPP DATA)

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional

advice to verify and

assume responsibility for the suitability of this information to their particular situation.