

# MATERIAL SAFETY DATA SHEET

Mercury

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Mercury  
Product Code: M2010  
Material Uses:  
Manufacturer: Science Stuff  
1104 Newport Ave  
Austin, TX 78753  
(512) 837-6020  
Entry Date : 6/11/2013  
Print Date: 6/11/2013  
24 Hour Emergency Assistance : Chemtrec 800-424-9300  
Canutec 613-996-6666

Health:	3
Flammability:	0
Reactivity:	0

Hazard Rating:  
Least Slight Moderate High Extreme  
0 1 2 3 4  
NA=Not Applicable NE=Not Established

## SECTION 2 HAZARD IDENTIFICATION

If swallowed, wash out mouth with water, provided victim is conscious. Call a Physician. Do Not Induce Vomiting.

## SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input checked="" type="checkbox"/>	Mercury	CAS# 7439-97-6	100%	W/W	OSHA TWA 0.1 mg/mf

## SECTION 4 FIRST AID MEASURES

If swallowed, wash out mouth with water, provided victim is conscious. Call a Physician. Do Not Induce Vomiting.

FIRST AID: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. if irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

## SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Water spray, dry chemical, carbon dioxide, foam  
Fire / Explosion Hazards: Combustion or heat of fire may produce hazardous decomposition products and vapors  
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

For small amount vaccum up with specially equipped equipment designed for mercury. For large spills evacuate area and

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ventilate. Do not touch spilled material.

**SECTION 7 HANDLING AND STORAGE**

Store in a sealed unbreakable polyethylene containers in a cool, dry, well ventilated area away from heat. Protect from physical damage.

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory Protection: NIOSH/MSHA-approved respirator  
Ventilation  
Local Exhaust   
Mechanical   
Protective Gloves: Rubber gloves  
Eye Protection: Chemical splash goggles  
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Melting Point:	-39 Deg C	Percent Volatile by Volume:	0
Boiling Point:	357 Deg C	Evaporation Rate	0
Vapor Pressure:	0.0012 mm Hg @ 20C	Evaporation Standard	
Vapor Density:	7.0	Auto Ignition Temp	Not applicable
Solubility in Water:	Insoluble	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	Silver-white, heavy, mobile liquid	Upper Flamm. Limit in Air	Not applicable
Flash Point:	Non-flammable		
Specific Gravity:	13.6		

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability: Stable  
Conditions to Avoid: High heat, open flames and other sources of ignition.  
Materials to Avoid: Strong oxidizing agents  
Hazardous Decomposition Products: Toxic mercury vapors and oxygen.  
Hazardous polymerization: Will Not Occur  
Conditions to Avoid: None known

**SECTION 11 Toxicological Information**

**SECTION 12 Ecological Information**

**SECTION 13 Disposal Considerations**

**SECTION 14 Transport Information**

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DOT Classification: UN2809, RQ, Mercury, 8, PG III

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

**SECTION 15 Regulatory Information**

**SECTION 16 Additional Information**

Will cause skin irritant. If absorbed through skin can cause anuria. If comes in contact with eyes will cause corneal injury or burns. If ingested immediate necrosis in mouth, throat, esophagus and stomach. Death may occur. If inhaled fever, coughing nausea and vomiting are possible. If inhaled move to fresh air, if not breathing give artificial respiration. If ingested get immediate medical attention. Induce vomiting. If comes in contact with eyes wash with water for at least 15 minutes. If gets on skin wash with plenty of soap and water. Target organs: None. Persons with pre-existing disorders may be more susceptible.

Flammability

Health

Reactivity

Revisions

NFPA

0.1

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