

# MATERIAL SAFETY DATA SHEET

Mercuric Chloride 5% w/v Solution

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Mercuric Chloride 5% w/v Solution  
Product Code: 5596  
Material Uses:  
Manufacturer: Science Stuff  
1104 Newport Ave  
Austin, TX 78753  
(512) 837-6020  
Entry Date : 6/11/2013  
Print Date: 6/12/2013  
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

May be fatal if inhaled, swallowed or absorbed thru the skin Avoid all contact. Use with adequate ventilation. Wash thoroughly after use. Keep container closed.

## SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Mercuric Chloride	CAS# 7487-94-7	5%	W/V	OSHA TWA 0.1 mg/mf
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

## SECTION 4 FIRST AID MEASURES

May be fatal if inhaled, swallowed or absorbed thru the skin Avoid all contact. Use with adequate ventilation. Wash thoroughly after use. Keep container closed.

FIRST AID: CALL A PHYSICIAN. SKIN: In case of contact, immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly clean clothing and shoes before reuse.

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: Any means suitable for extinguishing surrounding fire  
Fire / Explosion Hazards: None Known.  
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

Mercuric Chloride 5% w/v Solution

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

Absorb spill with inert material, then place in a chemical waste container. Dispose of in a manner consistent with federal, local law.

**SECTION 7 HANDLING AND STORAGE**

Store in a cool dry place. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory Protection: No special protection required  
Ventilation  
Local Exhaust   
Mechanical   
Protective Gloves: General purpose gloves such as rubber or vinyl.  
Eye Protection: Splash Goggles  
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Melting Point:	~0° C	Percent Volatile by Volume:	95%
Boiling Point:	~100° C	Evaporation Rate	1
Vapor Pressure:	Information not available	Evaporation Standard	Water =1
Vapor Density:	Information not available	Auto Ignition Temp	Not applicable
Solubility in Water:	soluble	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	Clear liquid, odorless	Upper Flamm. Limit in Air	Not applicable
Flash Point:	not flammable		
Specific Gravity:	~1.0		

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability: Stable  
Conditions to Avoid: High temperatures, Acids, Heavy Metals, Halogens.  
Materials to Avoid: Metals,alkalis strong bases.  
Hazardous Decomposition Products: Metals,alkalis strong bases.  
Hazardous polymerization: Will Not Occur  
Conditions to Avoid: None known

**SECTION 11 Toxicological Information**

**SECTION 12 Ecological Information**

**SECTION 13 Disposal Considerations**

Mercuric Chloride 5% w/v Solution

**SECTION 14** Transport Information

DOT Classification: UN3287, Toxic Liquid, Inorganic n.o.s.  
(Mercuric Chloride), 6.1, PG II, Marine  
Pollutant

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

HIGHLY TOXIC!!! Exposure:wash affected area with mild soap and water and large amounts of water.inhal:acute exposure may cause almost immed dyspnea immediately remove person to fresh air. Eye exposure:wash eyes immed. With large amounts of water for at least 15-20 min. In all cases seek medical attention. Conditionsaggravated/target organs.persons with pre-existing eye,skin or respiratory conditions may be more susceptible.

Flammability

Health

Reactivity

Revisions

NFPA

0.1

The information herein is believed to be accurate and is offered in good faith for the user's consideration and investigation. No warranty either expressed or implied is made for the completeness or accuracy of the information whether originating from the above mentioned company or not. Users of this material should satisfy themselves by independent investigation of current scientific and medical knowledge that the material can be used safely.