

# MATERIAL SAFETY DATA SHEET

Mercuric Acetate 25 gpL Solution

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Mercuric Acetate 25 gpL Solution  
Product Code: 5595  
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:	2			
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"/>	Acetic Acid, Glacial	CAS# 64-19-7	0.2%	V/V	10 ppm OSHA TWA, 15 ppm OSHA STEL
<input checked="" type="checkbox"/>	Mercuric Acetate	CAS# 1600-27-7	2.5%	W/V	TWA 0.05 mg(HG)/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: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, 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: Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

## SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire

Mercuric Acetate 25 gpL Solution

Fire / Explosion Hazards: May release toxic fumes in a fire  
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

**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, on clothing. Wash thoroughly after handling

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory Protection: Organic Vapor Cartridge  
Ventilation  
Local Exhaust   
Mechanical   
Protective Gloves: Gloves to prevent skin exposure 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:	>97%
Boiling Point:	~100° C	Evaporation Rate	information not available
Vapor Pressure:	Information not available	Evaporation Standard	
Vapor Density:	Information not available	Auto Ignition Temp	Not applicable
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	Colorless liquid with slight vinegar odor	Upper Flamm. Limit in Air	Not applicable
Flash Point:	not flammable		
Specific Gravity:	~1		

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability: Stable  
Conditions to Avoid: Extreme temperatures

Mercuric Acetate 25 gpL Solution

Materials to Avoid: Strong oxidizing agents, acids.  
Hazardous Decomposition Products: Toxic fumes of Mercury, Oxides of carbon  
Hazardous polymerization: Not expected to occur  
Conditions to Avoid: None known

**SECTION 11 Toxicological Information**

**SECTION 12 Ecological Information**

**SECTION 13 Disposal Considerations**

**SECTION 14 Transport Information**

DOT Classification: UN2810, Toxic Liquid, Organic, n.o.s.  
(Mercury Acetate), 6.1, 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**

May cause skin irritation. If absorbed through skin may cause anuria. Contact with eyes may cause corneal injury or burns. If ingested may cause necrosis in mouth, throat, esophagus and stomach. Death may occur. If inhaled may cause fever, coughing, nausea and vomiting. 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

0.2

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.