

# MATERIAL SAFETY DATA SHEET

Mercuric Nitrate

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Mercuric Nitrate  
Product Code: M2181  
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:	3

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

## SECTION 2 HAZARD IDENTIFICATION

Heat, shock, friction, or contact with other materials may cause fire or explosion. Harmful if swallowed. Avoid breathing vapor or dust. Use adequate ventilation. Avoid contact with eyes, skin or clothes. Wash thoroughly after handling. Keep closed.

## SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Mercuric Nitrate	CAS# 7783-34-8	100%	W/W	OSHA TWA 0.1 mg(Hg)/mf

## SECTION 4 FIRST AID MEASURES

Heat, shock, friction, or contact with other materials may cause fire or explosion. Harmful if swallowed. Avoid breathing vapor or dust. Use adequate ventilation. Avoid contact with eyes, skin or clothes. Wash thoroughly after handling. Keep 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: will sublime. Dangerous fire risk in contact.  
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

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**SECTION 6 ACCIDENTAL RELEASE MEASURES**

ventilate area. Carefully collect material&place in specially marked containers which are suitable for mercuric compounds. DO NOT flush down sewer.

**SECTION 7 HANDLING AND STORAGE**

Keep away from heat and flame. Do not get in eyes, on skin, on clothing. Use with adequate ventilation.

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory Protection: NIOSH/MSHA-approved respirator  
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:	79°C	Percent Volatile by Volume:	information not available
Boiling Point:	decomposes	Evaporation Rate	information not available
Vapor Pressure:	not available	Evaporation Standard	Not Applicable
Vapor Density:	not available	Auto Ignition Temp	information not available
Solubility in Water:	very soluble	Lower Flamm. Limit in Air	not available
Appearance /Odors:	white white to slightly yellow	Upper Flamm. Limit in Air	not available
Flash Point:	not available		
Specific Gravity:	4.39		

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability: yes  
Conditions to Avoid: heat  
Materials to Avoid: hypophosphoric acid unsaturates, armoatics, acetylene ethanol, strong bases, mercury vapor oxides of nitrogen.  
Hazardous Decomposition Products:  
Hazardous polymerization: Will Not Occur  
Conditions to Avoid: None known

**SECTION 11 Toxicological Information**

**SECTION 12 Ecological Information**

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**SECTION 13 Disposal Considerations**

**SECTION 14 Transport Information**

DOT Classification: UN1625, Mercuric Nitrate, 6.1, PG II

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**

POSION may be fatal if swallowed POSIONING may also occur by inhalation/skin absorption.eyes/skin: flush affected area with large amounts of water for at least 15 min. Ingestion : induce vomiting with syrupof ipecac or plenty of water to dilute. If person is NOT conscious DO NOT induce vomiting. Conditions aggravated/target organs. Persons with pre-existing eye.skin or respiratory conditions may be more susceptible.

Flammability

Health

Reactivity

Revisions

NFPA

0.1

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