

# MATERIAL SAFETY DATA SHEET

Digestion Reagent APHA for Nitrogen

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Digestion Reagent APHA for Nitrogen

Product Code: 2780

Material Uses:

Manufacturer: Science Stuff  
1104 Newport Ave

Austin, TX 78753

(512) 837-6020

Entry Date : 6/3/2013

Print Date: 6/3/2013

24 Hour Emergency Assistance : Chemtrec 800-424-9300  
Canutec 613-996-6666

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

## SECTION 2 HAZARD IDENTIFICATION

Causes severe irritation and burns. Harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

## SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Cupric Sulfate	CAS# 7758-99-8	1.142%	W/V	OSHA TWA 1 mg(Cu)/mf
<input type="checkbox"/>	Potassium Sulfate	CAS# 7778-80-5	13.4%	W/V	None Established
<input checked="" type="checkbox"/>	Sulfuric Acid	CAS# 7664-93-9	13.4%	V/V	OSHA TWA 1 mg/mf, ACGIH STEL 3 ppm
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

## SECTION 4 FIRST AID MEASURES

Causes severe irritation and burns. Harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. 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: Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

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**SECTION 5 FIRE FIGHTING MEASURES**

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire  
Fire / Explosion Hazards: May generate heat if exposed to water  
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: None required  
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:	Information not available	Percent Volatile by Volume:	~70%
Boiling Point:	Information not available	Evaporation Rate	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:	Clear blue odorless liquid	Upper Flamm. Limit in Air	Not applicable
Flash Point:	not flammable		
Specific Gravity:	not available		

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability: Stable  
Conditions to Avoid: strong bases, contact with metals

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Materials to Avoid: Strong bases, aluminum, magnesium
Hazardous Decomposition Products: Toxic fumes of sulfur, oxides of nitrogen
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

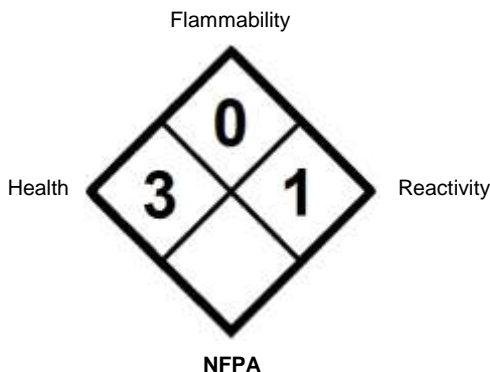
DOT Classification: Corrosive Liquids, n.o.s. (Sulfuric Acid), 8, UN 1760, PG II

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

DANGER!! This material is extremely corrosive to the skin and,eyes. Effects of over exposure:SEVERE irritation of the eyes,skin and possible vision impairment. Severe pain of the skin,coughing and possible charring of skin.vomiting blood ,shock severe tissue damage and DEATH may occur. Acute:EXTREMELY!! CORROSIVE! Causes severe skin and eye burns mist can be extermly irritating to the upper respiratory tract. Chronic: may cause severe dental erosion swallowing this material may cause DEATH! Target organs:eyes,skin,mouth,upper respiratory tract and Gi tract. Conditions aggravated/target organs. Persons with pre-existing eye,skin or respiratory conditions may be more susceptible.



Revisions

Table with 2 columns: Revision Number (2.1) and Description (Revised preparation Instructions LS)

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