

MATERIAL SAFETY DATA SHEET

Nessler's Reagent

SECTION 1 . Product and Company Identification

Product Name and Synonym: Nessler's Reagent
Product Code: 6350
Material Uses:
Manufacturer: Science Stuff
1104 Newport Ave
Austin, TX 78753
(512) 837-6020
Entry Date : 6/12/2013
Print Date: 6/12/2013
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

DANGER! POISON! MAY BE FATAL IF SWALLOWED! CORROSIVE! CAUSES SEVERE RESPIRATORY TRACT, EYE AND SKIN BURNS, HARMFUL IF INHALED OR ABSORBED THROUGH THE SKIN.

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Mercuric Iodide Red	CAS# 7774-29-0	10%	W/V	OSHA TWA 0.1 mg(Hg)/mf
<input type="checkbox"/>	Potassium Iodide	CAS# 7681-11-0	7%	W/V	TXDS: orl-hmn LDLo: 1862 mg/Kg
<input checked="" type="checkbox"/>	Sodium Hydroxide	CAS# 1310-73-2	16%	W/V	OSHA PEL 2 mg/mf ACGIH 2mg/mf
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

SECTION 4 FIRST AID MEASURES

DANGER! POISON! MAY BE FATAL IF SWALLOWED! CORROSIVE! CAUSES SEVERE RESPIRATORY TRACT, EYE AND SKIN BURNS, HARMFUL IF INHALED OR ABSORBED THROUGH THE SKIN.

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: Get medical attention immediately. Wash out mouth with water. Move exposed person to fresh air. If exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel.

Nessler's Reagent

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire
Fire / Explosion Hazards: None
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. Neutralize with a weak acid. Hold for heavy metal disposal.

SECTION 7 HANDLING AND STORAGE

Wash thoroughly after handling. Remove contaminated clothes and wash before reuse. Use with adequate ventilation.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: None required
Ventilation
Local Exhaust
Mechanical
Protective Gloves: NIOSH Approved Gloves
Eye Protection: Goggles and Face Shield
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	<2°C	Percent Volatile by Volume:	83%
Boiling Point:	>98°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:	Clear yellow liquid	Upper Flamm. Limit in Air	Not applicable
Flash Point:	Information not available		
Specific Gravity:	Information not available		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable
Conditions to Avoid: Contact with Incompatible substances

Nessler's Reagent

Materials to Avoid: Oxidizing materials, acidic conditions
Hazardous Decomposition Products: Toxic fumes of: Mercury
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

DOT Classification: UN2922, Corrosive Liquid, Toxic, n.o.s.
(Sodium Hydroxide, Mercuric Iodide), 8,(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

Conditions aggravated/target organs: Persons with pre-existing skin, eye, or respiratory disorders are more susceptible. Acute: Irritation and burns to skin, eyes, digestive tract. Mercury poisoning. Mists may cause respiratory irritation. Chronic: Dermatitis, eye damage, skin damage, mercury poisoning.

Flammability

Health

Reactivity

Revisions

NFPA

0.1

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