

MATERIAL SAFETY DATA SHEET

High pH Indicator Solution

SECTION 1 . Product and Company Identification

Product Name and Synonym: High pH Indicator Solution

Product Code: 147-42

Material Uses:

Manufacturer:

OFI Testing Equipment, Inc.
11302 Steeplecrest Drive
Houston, TX 77065 USA
Phone: (713) 880-9885
Fax: (713) 880-9886

Entry Date : 5/6/2010

Print Date: 7/28/2010

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

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

SECTION 2 HAZARD IDENTIFICATION

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

Emergency Overview: Danger! Harmful If Swallowed Or Inhaled. Causes Irritation To Skin And Eyes. Causes Irritation To Respiratory Tract.

Inhalation: Exposure may Cause Irritation to the Mucous Membranes of the Upper Respiratory Tract. Prolonged Exposures to High Concentrations may Cause Drowsiness, Loss of Appetite and Inability to Concentrate and Possibly Death.

Ingestion: Can Cause Headaches, Gastritis, Intoxication, Blindness and in Acute Cases, Death. Cathartic. Very Active, even in Small Amounts (30 - 100 mg). May Cause Purging, Collapse, and Fall in Blood Pressure or an Itching Skin Rash that can Become Ulcerous. Other Systemic Effects are Not Well Known.

Skin: tCan Cause Skin Irritation, Cracking, or Flaking due to Dehydration and Defatting Action. May be Absorbed Through the Skin with Possible Systemic Effects.

Eye Contact: Vapors Cause Eye Irritation. Splashes Cause Severe Irritation, Possible Corneal Burns and Permanent Eye Damage.

Chronic Exposure: Prolonged Skin Contact Causes Drying and Cracking of Skin. May Effect Nervous System. May Affect Liver, Blood and Reproductive System.

Aggravated by Exposure: Persons with Pre-Existing Skin Disorders or Eye Problems or Impaired Respiratory Function, or Impaired Liver or Kidney Function may be More Susceptible to the Effects of this Agent.

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	1,2-Propanediol (Propylene Glycol)	CAS# 57-55-6	20 - 30%	V/V	
<input type="checkbox"/>	N-Propoxy Propanol Prop Glycol Propyl Ether	CAS#1569-01-3	10 - 15%	V/V	OSHA TWA 1000 ppm (2400 mg/m ³)

High pH Indicator Solution

- Orange G (Acid Orange 10) CAS# 1936-15-8 0.05 - W/V None Established
0.5%
- Water, Deionized ASTM Type II CAS# 7732-18-5 Balance V/V None Established

SECTION 4 FIRST AID MEASURES

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

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: 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: Alcohol Resistant Foam or Carbon Dioxide, water may be ineffective.

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

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

Ventilate area or Leak or Spill. Remove all Sources of Ignition. Wear Appropriate Personal Protective Equipment as Specified in Section 8. Isolate Hazard Area. Keep Unnecessary and Unprotected Personnel from Entering. Contain and Recover Liquid when Possible. Use Non-Sparking Tools and Equipment. Collect Liquid in an Appropriate Container or Absorb with an Inert Material (e.g., Vermiculite, Dry Sand, Earth), and Place in a Chemical Waste Container. Do Not Use Combustible Materials, such as Saw Dust. Do Not Flush to Sewer! US Regulations (CERCLA) Require Reporting Spills and Releases to Soil, Water and Air in Excess of Reportable Quantities.

SECTION 7 HANDLING AND STORAGE

Store in a cool dry place. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling. Protect from physical damage and where a fire hazard may be acute. Do not pressurize, cut, weld braze drill or expose containers to heat sparks or flame.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: None required

Ventilation
Local Exhaust

High pH Indicator Solution

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:	not available
Boiling Point:	370.4° F (188° C)	Evaporation Rate	Information not available
Vapor Pressure:	Information not available	Evaporation Standard	
Vapor Density:	2.62	Auto Ignition Temp	699.8° F (371° C)
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	Not available
Appearance /Odors:	orange liquid, slight alcohol odor	Upper Flamm. Limit in Air	Not available
Flash Point:	210.2° F (99° C)		
Specific Gravity:	Information not available		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable

Conditions to Avoid: High temperatures, Light

Materials to Avoid: Halides, Ammonia, Phospahtes

Hazardous Decomposition Products: oxides of carbon, nitrogen

Hazardous polymerization: Will Not Occur

Conditions to Avoid: none

SECTION 11 Toxicological Information

Carcinogenic References: NTP Carcinogen - Known: No, IARC Category- 3

SECTION 12 Ecological Information

When Released to the Soil and Water, this Material may Evaporate to Moderate Extent. When Released into the Soil, This Material may Leach into Groundwater. When Released into the Water, This Material is Expected to have a Half Life Between 1 and 10 Days.

SECTION 13 Disposal Considerations

Whatever Cannot be Saved for Recovery or Recycling Should be Managed in an Appropriate and Approved Waste Disposal Facility. Processing, use or Contamination of this Product may Change the Waste Management Options. State and Local Disposal Regulation may Differ from Federal Disposal Regulations. Dispose of Container and Unused Contents in Accordance with Federal, State and Local Requirements.

SECTION 14 Transport Information

High pH Indicator Solution

DOT Classification: Not Regulated

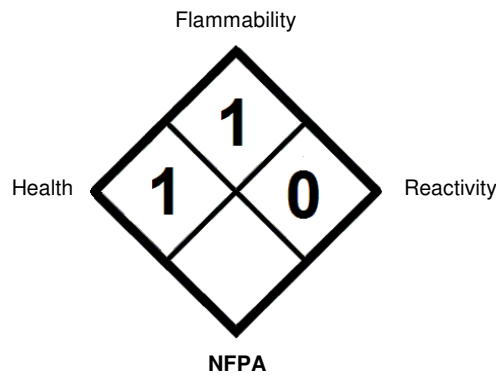
DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

SECTION 15 Regulatory Information

The ingredients of this product are listed on the TSCA Inventory.

SECTION 16 Additional Information

Conditions aggravated/target organs: Persons with pre-existing skin, eye or respiratory disorders are more susceptible. Overexposure symptoms. Acute: irritation to skin, eyes, mucous membranes, and GI tract. Effects of overexposure. Acute and chronic: Harmful by inhalation, ingestion, skin absorption. May cause eye and skin irritation and central nervous system problems. May cause GI disturbances, nausea, headache and vomiting. Target organs: None. Persons with pre-existing disorders may be more susceptible.



Revisions

7/28/2010	0.1	updated msds to 16 section from 10 section msds. STN
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