Material Safety Data Sheet

High pH Indicator Solution (RXSOL-60-6229-100)

1. Product and Company Identifaction

Product Name	High pH Indicator Solution
Product Type	RXSOL-60-6229-100

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Phone	+91 22 65113333 / 5555 / 9999
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	mail@rxmarine.com

2. Composition / informationon ingredients

SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
1,2-Propanediol(Propylene Glycol)	CAS# 57-55-6 20	20-30%	V/V	
N-Propoxy Propanol Prop Glycol Propyl Ether	CAS#1569-	10 - 15%	V/V	OSHA TWA Ether 1000 ppm(2400 mg/mƒ)
Orange G (Acid Orange	CAS# 1936-15-8	0.05-0.5%	w/V	None Established
Water, Deionized ASTMType II	CAS# 7732-18-5	Balance	V/V	None Established

3. Hazards 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

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. Proloned 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 ContactVapors 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.

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..

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.

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.

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 anInert 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.

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..

8. Exposure controls and personal protection

Respiratory Protection	None required
Ventilation	Local
OTHER	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

9. Physical and chemical properties

BOILING POINT	370.4° F(188° C)
VAPOR PRESSURE	not available
MELTING POINT	information not available
VAPOR DENSITY	2.62

EVAPORATION RATE	information not available
Appearance /Odors	orange liquid, slight alcohol odor
Flash Point	Not applicable
Specific Gravity	Information not available
Percent Volatile by Evaporation Standard	not available
Auto Ignition Temp	699.8° F (371° C)
Lower Flamm. Limit in Air	Not applicable
Upper Flamm. Limit in Air	Not applicable
Solubility in Water	Soluble

10. Stability and reactivity

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 known

11. Toxicological information

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

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.

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.

14. Transport information

DOT Classification: Not Regulated

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

15. Regulatory information

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

16. Other 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 irritaition 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.

Flammability

Health

Reactivity

Revisions	NFPA
7/28/2010	0.1 updated msds to 16 section from 10 section msds. STN
10/10/2011	0.2 Removed Tropaeolon LS

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