Material Safety Data Sheet

Bromocresol Green Indicator Solution (RXSOL-60-6248-100)

1. Product and Company Identifaction

Product Name	RXSOL-60-6248-100
Product Type	Bromocresol Green Indicator Solution

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

Mixture

Name	Product Identifier	% (w/w)	GHS-US classification
Water	(CAS No.) 7732-18-5	99.96	Not classified
Phenol, 4,4'-(3H-1,2-benzoxathiol-3-ylidene)bis[2,6-dibromo-3-methyl-, S,S-dioxide, monosodium salt	(CAS No.) 62625-32-5	0.04	Not classified

3. Hazards Identification

Classification Of The Substance Or Mixture

Classification (GHS-US)
Not classified

Label Elements

GHS-US labeling No labeling applicable

Other Hazards Not available

Unknown acute toxicity (GHS US) Not available

4. First Aid Measures

Description Of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: When symptoms occur: go into open air and ventilate suspected area.

Skin Contact: Wash with plenty of soap and water.

Eye Contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

Ingestion: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

Most Important Symptoms And Effects Both Acute and Delayed

General: Not expected to present a significant hazard under anticipated conditions of normal use.

Inhalation: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

Skin Contact: Contact during a long period may cause light irritation.

Eye Contact: May cause slight irritation.

Ingestion: Abdominal pain.

Chronic symptoms: Not available

Indication Of Any Immediate Medical Attention And Special Treatment Needed

Not available

5. Fire-fighting Measures

Extinguishing Media

Suitable extinguishing media: Not flammable.Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media: None known.

Special Hazards Arising From The Substance Or Mixture

Fire hazard: Not flammable

Explosion hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

Advice For Firefighters

Precautionary measures fire: Not available

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO2). Sulfur oxides.

Reference To Other Sections

Refer to section 9 for flammability properties.

6. Accidental Release Measures

Personal Precautions, Protective Equipment And Emergency Procedures

General measures: Avoid all contact with skin, eyes, or clothing.

For Non-Emergency Personnel

Protective equipment: Use appropriate personal protection equipment (PPE).

Emergency procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods And Material For Containment And Cleaning Up

For containment : Absorb and/or contain spill with inert material, then place in suitable container.

Methods for cleaning up: Clear up spills immediately and dispose of waste safely.

Reference To Other Sections

See Heading 8, exposure controls and personal protection

7. Handling and Storage

Precautions For Safe Handling

Hygiene measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

Conditions For Safe Storage, Including Any Incompatibilities

Storage conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

Specific End Use(s)
Laboratory Reagent

8. Exposure controls and personal protection

Control Parameters

No Occupational Exposure Limits have been established for this product or its chemical components.

Exposure Controls

Appropriate engineering controls: Ensure adequate ventilation, especially in confined areas.

Personal protective equipment: Avoid all unnecessary exposure.

Materials for protective clothing: Not available

Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or safety glasses.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: Not available

Other information: When using, do not eat, drink or smoke.

9. Physical and chemical properties

Information On Basic Physical And Chemical Properties

Physical state	Liquid
Appearance	Clear. Blue-green
Odor	Odorless
Odor threshold	Not available
pH	Not available
Relative evaporation rate (butylacetate=1)	Not available
Melting point	0 °C
Freezing point	Not available
Boiling point	100 °C
Flash point	Not available
Auto-ignition temperature	Not available
Decomposition Temperature	Not available

Flammability (solid, gas)	Not available
Lower flammable limit	Not available
Upper flammable limit	Not available
Vapour pressure	Not available
Relative vapor density at 20 °C	Not available
Relative density	Not available
Specific gravity	1
Solubility	Soluble in water.
Log Pow	Not available
Log Kow	Not available
Viscosity, kinematic	Not available
Viscosity, dynamic	Not available
Explosion data - sensitivity to mechanical impact	Not available
Explosion data - sensitivity to static discharge	Not available

10. Stability and reactivity

Reactivity Hazardous reactions will not occur under normal conditions.

Chemical Stability Stable at standard temperature and pressure.

Possibility Of Hazardous Reactions Hazardous polymerization will not occur.

Conditions To Avoid Direct sunlight. Extremely high or low temperatures.

Incompatible Materials Strong acids. Strong bases. Strong oxidizers.

Hazardous Decomposition Products Carbon oxides (CO, CO2). Sulfur oxides.

11. Toxicological information

Information On Toxicological Effects - Product

Acute toxicity : Not classified

LD50 and LC50 Data Not available

Skin corrosion/irritation: Not classified

Serious eye damage/irritation: Not classified

Respiratory or skin sensitisation: Not classified

Germ cell mutagenicity: Not classified

Teratogenicity: Not available

Carcinogenicity: Not classified

Specific target organ toxicity (repeated exposure): Not classified

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): Not classified

Aspiration hazard: Not classified

Symptoms/injuries after inhalation: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

Symptoms/injuries after skin contact: Contact during a long period may cause light irritation.

Symptoms/injuries after eye contact: May cause slight irritation.

Symptoms/injuries after ingestion: Abdominal pain.

Information On Toxicological Effects - Ingredient(s)

LD50 and LC50 Data : Not available

12. Ecological information

Toxicity

Ecology - general: No data available.

Persistence And Degradability

Bromocresol Green Indicator Solution

Persistence and degradability	Not established.

Bioaccumulative Potential

Bromocresol Green Indicator Solution

Bioaccumulative potential	Not established.

Mobility In Soil Not available

Other Adverse Effects

Other information: Avoid release to the environment.

13. Disposal considerations

Waste disposal recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

Ecology - waste materials: Avoid release to the environment.

14. Transport information

In accordance with ICAO/IATA/DOT/TDG

UN Number Not regulated for transport

UN Proper Shipping Name Not regulated for transport

15. Regulatory information

US Federal regulations

Phenol, 4,4'-(3H-1,2-benzoxathiol-3-ylidene)bis[2,6-dibromo-3-methyl-, S,S-dioxide, monosodium salt (62625-32-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Water (7732-18-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

US State regulations -

Phenol, 4,4'-(3H-1,2-benzoxathiol-3-ylidene)bis[2,6-dibromo-3-methyl-, S,S-dioxide, monosodium salt (62625-32-5)

U.S. - Maine - Chemicals of High Concern

U.S. - Minnesota - Chemicals of High Concern

U.S. - Minnesota - Chemicals of High Concern - Persistent Bioaccumulative Toxins

Canadian regulations

Phenol, 4,4'-(3H-1,2-benzoxathiol-3-ylidene)bis[2,6-dibromo-3-methyl-, S,S-dioxide, monosodium salt (62625-32-5)

Listed on the Canadian DSL (Domestic Sustances List) inventory.

WHMIS Classification	Uncontrolled product according to WHMIS classification criteria

Water (7732-18-5)

Listed on the Canadian DSL (Domestic Sustances List) inventory.

WHMIS Classification	Uncontrolled product according to WHMIS classification criteria

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

16. Other information

Indication of changes : 05/14/2013

Other information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

NFPA health hazard : 0 - Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating Health : 0 Minimal Hazard - No significant risk to health

Flammability : 0 Minimal Hazard

Physical : 0 Minimal Hazard

Party Responsible For The Preparation Of This Document:

OFI Testing Equipment

Phone Number: 832-320-7300

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.