Material Safety Data Sheet

BromoCresol green AR (RXSOL-19-1491-500)

1. Product and Company Identifaction

Product Name	**BromoCresol Green BCG**
Part Number	**RXSOL-19-1491-500**

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA
Stock Point : Mumbai, Kandla, Kolkata, Chennai, Vizag, Fujairah, Muscat, Nairobi

Phone	+91 22 65113333 / 5555 / 9999 / 27611360
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	mail@rxmarine.com

2. Composition / informationon ingredients

Name	CAS #	% by Weight
Bromocresol green	76-60-8	100

Toxicological Data on Ingredients:

Bromocresol green LD50	:	Not available
Bromocresol green LC50	:	Not available

3. Hazards Identification

Potential Acute Health Effects	:	Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:

Carcinogenic Effects	:	Not available
Mutagenic Effects	:	Not available
Teratogenic Effects	:	Not available
Developmental Toxicity	:	Not available Repeated or prolonged exposure is not known to aggravate medical condition.

4. First Aid Measures

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact: In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband. Serious Ingestion: Not available.

5. Fire-fighting Measures

Flammability of the Product	:	May be combustible at high temperature.
Auto-Ignition Temperature	:	Not available
Flash Points	:	Not available
Flammable Limits	:	Not available
Products of Combustion	:	These products are carbon oxides (CO, CO2), halogenated compounds.
Fire Hazards in Presence of Various Substances	:	Slightly flammable to flammable in presence of heat. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact	:	Not available
Risks of explosion of the product in presence of static discharge	:	Not available

Fire Fighting Media and Instructions:

Small Fire	:	Use DRY chemical powder.
Large Fire	:	Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards	:	Not available
Special Remarks on Explosion Hazards	:	Not available

6. Accidental Release Measures

Small Spill : Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill : Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

7. Handling and Storage

Precautions : Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

Storage	:	Keep container tightly closed. Keep container in a cool, well-ventilated area.

8. Exposure controls and personal protection

Engineering Controls : Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill : Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

9. Physical and chemical properties

appearance	:	Solid

Odor	:	Odorless
Taste	:	Not available
Molecular Weight	:	698.02 g/mole
Color	:	Slightly Yellow.
pH (1% soln/water)	:	Not available
Boiling Point	:	Not available
Melting Point	:	Decomposition temperature: 225°C (437°F)
Critical Temperature	:	Not available
Specific Gravity	:	Not available.
Vapor Pressure	:	Not applicable
Vapor Density	:	Not available.
Volatility	:	Not available
Odor Threshold	:	Not available
Water/Oil Dist. Coeff.	:	Not available
Ionicity (in Water)	:	Not available
Dispersion Properties	:	Not available.
Solubility	:	Not available.

10. Stability and reactivity

Stability	:	The product is stable.
Instability Temperature	:	Not available
Conditions of Instability	:	Heat, incompatible materials
Incompatibility with various substances	:	Reactive with oxidizing agents.
Corrosivity	:	Not available
Special Remarks on Reactivity	:	Not available
Special Remarks on Corrosivity	:	Not available
Polymerization	:	Will not occur.

11. Toxicological information

Routes of Entry	:	Inhalation. Ingestion.

Toxicity to Animals:

LD50	:	Not available
LC50	:	Not available
Chronic Effects on Humans	:	Not available.
Other Toxic Effects on Humans	:	Hazardous in case of skin contact (irritant), of ingestion, of inhalation.
Special Remarks on Toxicity to Animals	:	Not available
Special Remarks on Chronic Effects on Humans	:	Not available

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects:

Skin	:	May cause skin irritation
Eyes	:	Dust may cause mechanical irritation.This product contains an anionic dye. Similar dyes have not caused injury to the cornea or conjunctiva to rabbit eyes.

Inhalation	:	May cause respiratory tract irritation.
Ingestion	:	May cause digestive tract irritation.

Chronic Potential Health Effects:

Ingestion	:	Prolonged or repeated ingestion may affect the splee and liver The toxicological properties of this substance have not been fully investigated.

12. Ecological information

Ecotoxicity	:	Not available
BOD5 and COD	:	Not available
Products of Biodegradation	:	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	:	The product itself and its products of degradation are not toxic.
Special Remarks on the Products of Biodegradation	:	Not available

13. Disposal considerations

Waste Disposal	:	Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport information

DOT Classification	:	Not a DOT controlled material (United States).
Identification	:	Not applicable.
Special Provisions for Transport	:	Not applicable.

15. Regulatory information

Federal and State Regulations	:	TSCA 8(b) inventory: Bromocresol green
Other Regulations	:	EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other classification:

WHMIS (Canada)	:	Not controlled under WHMIS (Canada).

DSCL (EEC):

R36/38	:	Irritating to eyes and skin.
S24/25	:	Avoid contact with skin and eyes.
S28	:	After contact with skin, wash immediately with plenty of [***]
S37		Wear suitable gloves.
S45		In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

HMIS (U.S.A.):

Health Hazard	:	2
Fire Hazard	:	1
Reactivity	:	0
Personal Protection	:	E

National Fire Protection Association (U.S.A.):

Health	:	2

Flammability	:	1
Reactivity	:	0
Specific hazard	:	

Protective Equipment	:	Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles.

16. Other information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Rx Marine International be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages.