

# SAFETY DATA SHEET

#### 1. Identification

Product identifier: BROMOCRESOL GREEN SODIUM SALT

#### Other means of identification Product No.: C948

#### Recommended use and restriction on use

Recommended use: Not available. Restrictions on use: Not known.

#### Manufacturer/Importer/Supplier/Distributor Information

#### Manufacturer

Company Name: Address:	Avantor Performance Materials, Inc. 3477 Corporate Parkway, Suite 200
<b>-</b> · ·	Center Valley, PA 18034
Telephone:	0
For	Customer Service: 855-282-6867
Fax:	
Contact Person: e-mail:	Environmental Health & Safety info@avantormaterials.com

#### **Emergency telephone number:**

24 Hour Emergency: 908-859-2151

Chemtrec: 800-424-9300

#### 2. Hazard(s) identification

#### Hazard Classification

# Label Elements<br/>Hazard Symbol:No symbolSignal Word:WarningHazard Statement:May form combustible dust concentrations in air.Precautionary<br/>StatementNot applicable

# Other hazards which do not None. result in GHS classification:

#### 3. Composition/information on ingredients

#### Substances

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
BROMOCRESOL GREEN SODIUM SALT		62625-32-5	60 - 100%

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.



4. First-aid measures		
General information:	Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance.	
Ingestion:	Rinse mouth thoroughly. Get medical attention if symptoms occur.	
Inhalation:	Move to fresh air. Get medical attention if symptoms persist.	
Skin Contact:	Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing. Wash contaminated clothing before reuse.	
Eye contact:	Flush thoroughly with water. If irritation occurs, get medical assistance.	
Most important symptoms/effect	s, acute and delayed	
Symptoms:	Symptoms: May cause irritation to skin, eyes, and respiratory tract.	
Indication of immediate medical attention and special treatment needed		
Treatment:	Treat symptomatically.	
5. Fire-fighting measures		
General Fire Hazards:	Powdered material may form explosive dust-air mixtures.	
Suitable (and unsuitable) extingu	iishing media	
Suitable extinguishing media:	Water spray, fog, CO2, dry chemical, or regular foam.	
Unsuitable extinguishing media:	Straight Streams of Water	
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed. Dust clouds may be explosive under certain conditions. Contact with strong oxidizers may cause fire.	
Special protective equipment an	d precautions for firefighters	
Special fire fighting procedures:	Move containers from fire area if you can do so without risk. Use water spray to keep fire-exposed containers cool. Cool containers exposed to flames with water until well after the fire is out.	
Special protective equipment for fire-fighters:	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.	
6. Accidental release measures		
Personal precautions, protective equipment and emergency procedures:	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep unauthorized personnel away. Use personal protective equipment. See Section 8 of the MSDS for Personal Protective Equipment.	
Methods and material for containment and cleaning up:	Avoid dust formation. Sweep up and place in a clearly labeled container for chemical waste. Clean surface thoroughly to remove residual contamination.	

	Version: 1.0 Revision Date: 11-03-2014
Notification Procedures:	Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved.
Environmental Precautions:	Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
7. Handling and storage	
Precautions for safe handling:	Avoid generation and spreading of dust. Ground/bond container and receiving equipment. Use personal protective equipment as required. Avoid contact with eyes, skin, and clothing. Avoid inhalation of dust. Wash thoroughly after handling.
Conditions for safe storage, including any incompatibilities:	Keep containers tightly closed. Store in cool, dry place. Store in a well- ventilated place.
8. Exposure controls/personal	protection
Control Parameters Occupational Exposure Limit	s
	None of the components have assigned exposure limits.
Appropriate Engineering Controls	No data available.
Individual protection measures,	such as personal protective equipment
General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Use explosion-proof ventilation equipment.
Eye/face protection:	Use tight fitting goggles if dust is generated.
Skin Protection Hand Protection:	Wear protective gloves.
Other:	Wear suitable protective clothing.
<b>Respiratory Protection:</b>	In case of inadequate ventilation use suitable respirator.
Hygiene measures:	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Provide eyewash station and safety shower.

# 9. Physical and chemical properties

#### Appearance

Physical state:	Solid
Form:	Granules
Color:	Dark green
Odor:	No data available.
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	230 °C



Initial boiling point and boiling range:	No data available.	
Flash Point:	No data available.	
Evaporation rate:	No data available.	
Flammability (solid, gas):	No data available.	
Upper/lower limit on flammability or explo	sive limits	
Flammability limit - upper (%):	No data available.	
Flammability limit - lower (%):	No data available.	
Explosive limit - upper (%):	No data available.	
Explosive limit - lower (%):	No data available.	
Vapor pressure:	No data available.	
Vapor density:	No data available.	
Relative density:	No data available.	
Solubility(ies)		
Solubility in water:	Slightly Soluble	
Solubility (other):	No data available.	
Partition coefficient (n-octanol/water):	No data available.	
Auto-ignition temperature:	No data available.	
Decomposition temperature:	No data available.	
Viscosity:	No data available.	

#### Other information Molecular weight:

720 g/mol (C21H14Br4O5S.Na)

#### 10. Stability and reactivity

Reactivity:	No dangerous reaction known under conditions of normal use.	
Chemical Stability:	Material is stable under normal conditions.	
Possibility of Hazardous Reactions:	Hazardous polymerization does not occur.	
Conditions to Avoid:	Contact with incompatible materials. Heat, sparks, flames. Avoid dust formation.	
Incompatible Materials:	Strong oxidizing agents.	
Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Sulfur dioxide gas may be liberated from the product.	

### 11. Toxicological information

Information on likely routes of ex Ingestion:	May cause irritation of the gastrointestinal tract.
Inhalation:	May cause irritation to the respiratory system.
Skin Contact:	May cause irritation.
Eye contact:	May cause temporary eye irritation.

#### Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:

No data available.



Dermal Product:	No data available.	
Inhalation Product:	No data available.	
Repeated Dose Toxicity Product:	No data available.	
Skin Corrosion/Irritation Product:	May cause skin irritation.	
Serious Eye Damage/Eye Irritati Product:	on May irritate eyes.	
Respiratory or Skin Sensitizatio Product:	<b>n</b> Not a skin sensitizer.	
Carcinogenicity Product:	This substance has no evidence of carcinogenic properties.	
IARC Monographs on the No carcinogenic component	Evaluation of Carcinogenic Risks to Humans: ts identified	
US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified		
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified		
Germ Cell Mutagenicity		
In vitro Product:	No mutagenic components identified	
In vivo Product:	No mutagenic components identified	
Reproductive Toxicity Product:	No components toxic to reproduction	
Specific Target Organ Toxicity - Single Exposure Product:No data available.		
Specific Target Organ Toxicity - Product:	Repeated Exposure No data available.	
Aspiration Hazard Product:	Not classified	
Other Effects:	None known.	

## 12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:

No data available.



Aquatic Invertebrates Product:	No data available.
Chronic hazards to the aquati	c environment:
Fish Product:	No data available.
Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.
Bioaccumulative Potential Bioconcentration Factor (BC Product:	CF) No data available.
Partition Coefficient n-octar Product:	<b>Iol / water (log Kow)</b> No data available.
Mobility in Soil:	No data available.
Other Adverse Effects:	The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
13. Disposal considerations	
Disposal instructions:	Discharge, treatment, or disposal may be subject to national, state, or local laws.
Contaminated Packaging:	Since emptied containers retain product residue, follow label warnings even after container is emptied.
14. Transport information	

#### DOT

Not regulated.

#### IMDG

Not regulated.

#### ΙΑΤΑ

Not regulated.

## 15. Regulatory information



#### **US Federal Regulations**

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

#### CERCLA Hazardous Substance List (40 CFR 302.4):

None present or none present in regulated quantities.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Not listed.

#### SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

#### SARA 304 Emergency Release Notification

#### None present or none present in regulated quantities.

#### SARA 311/312 Hazardous Chemical

Chemical IdentityThreshold Planning QuantityBROMOCRESOL GREEN500 lbsSODIUM SALT500 lbs

#### SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.

# Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

#### **US State Regulations**

#### **US. California Proposition 65**

No ingredient regulated by CA Prop 65 present.

- US. New Jersey Worker and Community Right-to-Know Act No ingredient regulated by NJ Right-to-Know Law present.
- US. Massachusetts RTK Substance List No ingredient regulated by MA Right-to-Know Law present.
- US. Pennsylvania RTK Hazardous Substances No ingredient regulated by PA Right-to-Know Law present.

#### **US. Rhode Island RTK**

No ingredient regulated by RI Right-to-Know Law present.



#### **Inventory Status:**

Australia AICS: Canada DSL Inventory List: EINECS, ELINCS or NLP: Japan (ENCS) List: China Inv. Existing Chemical Substances: Korea Existing Chemicals Inv. (KECI): Canada NDSL Inventory: Philippines PICCS: US TSCA Inventory: New Zealand Inventory of Chemicals: Japan ISHL Listing: Japan Pharmacopoeia Listing: Not in compliance with the inventory. On or in compliance with the inventory On or in compliance with the inventory Not in compliance with the inventory. On or in compliance with the inventory Not in compliance with the inventory. Not in compliance with the inventory. On or in compliance with the inventory On or in compliance with the inventory On or in compliance with the inventory Not in compliance with the inventory Not in compliance with the inventory. Not in compliance with the inventory. Not in compliance with the inventory.

#### 16.Other information, including date of preparation or last revision

#### **NFPA Hazard ID**



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

Issue Date:	11-03-2014
Revision Date:	No data available.
Version #:	1.0
Further Information:	No data available.



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