



Material Safety Data Sheet

| Section 1: Product and Company Identification | | | |
|---|--------------------|--------------------|--------------|
| Product Name | Bromocresol Green | | |
| Catalogue Number: | ASC-1012 | CAS Number: | 76-60-8 |
| E-mail: | Sales@ausamics.com | Website: | Ausamics.com |

| Section 2: Hazards Identification | | | |
|--|--|--|--|
| Classification: Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) | | | |
| Label Elements: None required | | | |
| Hazards not otherwise classified (HNOC): None identified | | | |

| Section 3: Composition / Information on Ingredients | | |
|---|---------|----------|
| Component | CAS No | Weight % |
| Bromocresol green | 76-60-8 | 100 |

| Section 4: First-Aid Measures | |
|--|---|
| Eye Contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention. |
| Skin Contact | Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur. |
| Inhalation | Remove to fresh air. Get medical attention immediately if symptoms occur. |
| Ingestion | Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur. |
| Most important symptoms and effects | None reasonably foreseeable. |
| Notes to Physician | Treat symptomatically |

Section 5: Firefighting Measures



| Suitable Extinguishing Media | Water spray. Carbon dioxide (CO 2). Dry chemical. Chemical foam. | | | | | |
|---|--|-------------|------------------|--|--|--|
| Unsuitable Extinguishing Media | No information available | | | | | |
| Flash Point | Not applicable | | | | | |
| Autoignition Temperature | Not applicable | | | | | |
| Explosion Limits | | | | | | |
| Upper | No data available | | | | | |
| Lower | No data available | | | | | |
| Sensitivity to Mechanical Impact | No information available | | | | | |
| Sensitivity to Static Discharge | No information available | | | | | |
| Specific Hazards Arising from the Chemical: Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition. | | | | | | |
| Hazardous Combustion Products: Carbon monoxide (CO). Carbon dioxide (CO2). Hydrogen halides. Sulfur oxides. | | | | | | |
| Protective Equipment and Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. | | | | | | |
| NFPA | | | | | | |
| Health | Flammability | Instability | Physical hazards | | | |
| 1 | 1 | 0 | N/A | | | |

Section 6: Accidental Release Measures

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| Personal Precautions | Use personal protective equipment as required. Ensure adequate ventilation. Avoid dust formation. |
| Environmental Precautions | Should not be released into the environment. See Section 12 for additional Ecological Information. |
| Methods for Containment and Clean Up | Sweep up and shovel into suitable containers for disposal. Avoid dust formation. |

Section 7: Handling and Storage

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|-----------------|---|
| Handling | Wear personal protective equipment/face protection. Avoid contact with skin, eyes or clothing. Avoid ingestion and inhalation. Ensure adequate ventilation. Avoid dust formation. |
| Storage | Keep in a dry, cool, and well-ventilated place. Keep container tightly closed. Protect from light. Protect from moisture. Do not freeze. Incompatible Materials. Strong oxidizing agents. Strong acids. Strong reducing agents. |

**Section 8: Exposure Controls / Personal Protection**

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|--------------------------------------|---|
| Exposure Guidelines | This product does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies. |
| Engineering Measures | None under normal use conditions. |
| Personal Protective Equipment | |
| Eye/face Protection | Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. |
| Skin and body protection | Wear appropriate protective gloves and clothing to prevent skin exposure. |
| Respiratory Protection | No protective equipment is needed under normal use conditions. |
| Hygiene Measures | Handle in accordance with good industrial hygiene and safety practice. |

Section 9: Physical and chemical Properties

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|---|--|
| Physical State | Powder Solid |
| Appearance | Beige |
| Odor | Odorless |
| Odor Threshold | No information available |
| pH | No information available |
| Melting Point/Range | 225 °C / 437 °F |
| Boiling Point/Range | Not applicable |
| Flash Point | Not applicable |
| Evaporation Rate | Not applicable |
| Flammability (solid,gas) | No information available |
| Flammability or explosive limits Upper Lower | No data available No data available |
| Vapor Pressure | No information available |
| Vapor Density | Not applicable |
| Specific Gravity | No information available |
| Solubility | Slightly soluble in water |



| | |
|---|--|
| Partition coefficient; n-octanol/water | No data available |
| Autoignition Temperature | Not applicable |
| Decomposition Temperature | No information available |
| Viscosity | Not applicable |
| Molecular Formula | C ₂₁ H ₁₄ Br ₄ O ₅ S |
| Molecular Weight | 698.04 |

Section 10: Stability and Reactivity

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| Reactive Hazard | None known, based on information available |
| Stability | Stable under normal conditions. |
| Conditions to Avoid | Avoid dust formation. Incompatible products. Excess heat. |
| Incompatible Materials | Strong oxidizing agents, Strong acids, Strong reducing agents |
| Hazardous Decomposition Products | Carbon monoxide (CO), Carbon dioxide (CO ₂), Hydrogen halides, Sulfur oxides |
| Hazardous Polymerization | Hazardous polymerization does not occur. |
| Hazardous Reactions | None under normal processing. |

Section 11: Toxicological Information

| Acute Toxicity Product Information Component Information | No acute toxicity information is available for this product | | | | | |
|---|--|------------|--------------------------|------------|------------|------------|
| Toxicologically Synergistic Products | No information available | | | | | |
| Delayed and immediate effects as well as chronic effects from short and long-term exposure | | | | | | |
| Irritation | No information available | | | | | |
| Sensitization | No information available | | | | | |
| Carcinogenicity | The table below indicates whether each agency has listed any ingredient as a carcinogen. | | | | | |
| Component | CAS No | IARC | NTP | ACGIH | OSHA | Mexico |
| Bromocresol green | 76-60-8 | Not listed | Not listed | Not listed | Not listed | Not listed |
| Mutagenic Effects | | | No information available | | | |
| Reproductive Effects | | | No information available | | | |



| | |
|---|--|
| Developmental Effects | No information available |
| Teratogenicity | No information available |
| STOT - single exposure | None known |
| STOT - repeated exposure | None known |
| Aspiration hazard | No information available |
| Symptoms / effects, both acute and delayed | No information available |
| Endocrine Disruptor Information | No information available |
| Other Adverse Effects | The toxicological properties have not been fully investigated. |

Section 12: Ecological Information

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|--------------------------------------|---------------------------|
| Ecotoxicity | Do not empty into drains. |
| Persistence and Degradability | No information available |
| Bioaccumulation/ Accumulation | No information available |
| Mobility | No information available |

Section 13: Disposal Considerations

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| Waste Disposal Methods | Chemical waste generators must determine whether a discarded chemical is classified as hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification. |
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Section 14: Transport Information

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|-----------------|---------------|
| DOT | Not regulated |
| TDG | Not regulated |
| IATA | Not regulated |
| IMDG/IMO | Not regulated |

Section 15: Regulatory Information**United States of America Inventory**

| Component | CAS No | TSCA | TSCA Inventory notification - Active-Inactive | TSCA - EPA Regulatory Flags |
|------------------|---------------|-------------|--|------------------------------------|
| | | | | |



| Bromocresol green | 76-60-8 | X | ACTIVE | - | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------------------------|---|---|-----------|-----------|--------|------|------|--------|----------|------|------|------|-------|------|-------------------|---------|---|---|-----------|---|---|--|---|---|----------|
| TSCA US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710) X - Listed - - Not Listed | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TSCA 12(b) - Notices of Export | | Not applicable | | | | | | | | | | | | | | | | | | | | | | | | |
| International Inventories Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea (KECL). | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"><thead><tr><th>Component</th><th>CAS No</th><th>DSL</th><th>NDSL</th><th>EINECS</th><th>PICCS</th><th>ENCS</th><th>ISHL</th><th>AICS</th><th>IECSC</th><th>KECL</th></tr></thead><tbody><tr><td>Bromocresol green</td><td>76-60-8</td><td>X</td><td>-</td><td>200-972-8</td><td>X</td><td>-</td><td></td><td>X</td><td>X</td><td>KE-02745</td></tr></tbody></table> | | | | | Component | CAS No | DSL | NDSL | EINECS | PICCS | ENCS | ISHL | AICS | IECSC | KECL | Bromocresol green | 76-60-8 | X | - | 200-972-8 | X | - | | X | X | KE-02745 |
| Component | CAS No | DSL | NDSL | EINECS | PICCS | ENCS | ISHL | AICS | IECSC | KECL | | | | | | | | | | | | | | | | |
| Bromocresol green | 76-60-8 | X | - | 200-972-8 | X | - | | X | X | KE-02745 | | | | | | | | | | | | | | | | |
| KECL - NIER number or KE number (http://ncis.nier.go.kr/en/main.do) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| U.S. Federal Regulations | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SARA 313 | | Not applicable | | | | | | | | | | | | | | | | | | | | | | | | |
| SARA 311/312 Hazard Categories | | See section 2 for more information | | | | | | | | | | | | | | | | | | | | | | | | |
| CWA (Clean Water Act) | | Not applicable | | | | | | | | | | | | | | | | | | | | | | | | |
| Clean Air Act | | Not applicable | | | | | | | | | | | | | | | | | | | | | | | | |
| OSHA - Occupational Safety and Health Administration | | Not applicable | | | | | | | | | | | | | | | | | | | | | | | | |
| CERCLA | | Not applicable | | | | | | | | | | | | | | | | | | | | | | | | |
| California Proposition 65 | | This product does not contain any Proposition 65 chemicals. | | | | | | | | | | | | | | | | | | | | | | | | |
| U.S. State Right-to-Know Regulations | | Not applicable | | | | | | | | | | | | | | | | | | | | | | | | |
| U.S. Department of Transportation Reportable Quantity (RQ) DOT Marine Pollutant DOT Severe Marine Pollutant | | N N N | | | | | | | | | | | | | | | | | | | | | | | | |
| U.S. Department of Homeland Security | | This product does not contain any DHS chemicals. | | | | | | | | | | | | | | | | | | | | | | | | |
| Other International Regulations | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mexico - Grade | | No information available | | | | | | | | | | | | | | | | | | | | | | | | |
| Authorization /Restrictions according to EU REACH | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Component | REACH (1907/2006) - Annex XIV - | REACH (1907/2006) - Annex XVII - | REACH Regulation (EC 1907/2006) article 59 - Candidate List of | | | | | | | | | | | | | | | | | | | | | | | |



| | Substances Subject to Authorization | Restrictions on Certain Dangerous Substances | Substances of Very High Concern (SVHC) | | |
|---|-------------------------------------|--|--|---------------------------|--|
| Bromocresol green | - | Use restricted. See item 75. (see link for restriction details) | - | | |
| https://echa.europa.eu/substances-restricted-under-reach | | | | | |
| Safety, health and environmental regulations/legislation specific for the substance or mixture | | | | | |
| Component | CAS No | OECD HPV | Persistent Organic Pollutant | Ozone Depletion Potential | Restriction of Hazardous Substances (RoHS) |
| Bromocresol green | 76-60-8 | Not applicable | Not applicable | Not applicable | Not applicable |

| Component | CAS No | Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification | Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements | Rotterdam Convention (PIC) | Basel Convention (Hazardous Waste) |
|-------------------|---------|---|--|----------------------------|------------------------------------|
| Bromocresol green | 76-60-8 | Not applicable | Not applicable | Not applicable | Not applicable |

| Section 16: Additional Notes | |
|------------------------------|---|
| Documented By | Ausamics Life Science Sales@Ausamics.com |
| Revision date | June 03, 2023 |
| Summary of Revisions | This document has been revised to meet the requirements of the US OSHA HazCom 2012 Standard, which supersedes the existing regulations outlined in 29 CFR 1910.1200, in order to align with the internationally recognized globally Harmonized System of Classification and Labeling of chemicals (GHS). |
| Disclaimer | The information presented in this Safety Data sheet is accurate to the best of our knowledge, information, and belief at the time of publication. It is intended as a guide for the safe handling, use, processing, storage, transportation, disposal, and release of specific materials. However, it should be interpreted as a warranty or quality specification. The provided information pertains solely to the designated material and may not be applicable to its use in combination with other materials or in any process, unless explicitly stated in the text. |