

## **MATERIAL SAFETY DATA SHEET (SDS/MSDS)**

**BROMOCRESOL GREEN INDICATOR DYE  
CONTENT 95% AR**

**CAS-No.: 76-60-8**

**Product Code: 00495**

**Molecular Formula:  $C_{21}H_{14}Br_4O_5S$**

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## **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifier**

Product form : Substance  
Trade name : Bromocresol Green Indicator Dye Content 95% AR  
EC no : 200-972-8  
CAS No : 76-60-8

### **1.2. Relevant identified uses of the substance or mixture and uses advised against**

#### **1.2.1. Relevant identified uses**

Industrial/Professional use spec : Industrial For professional use only

#### **1.2.2. Uses advised against**

No additional information available

### **1.3. Details of the supplier of the safety data sheet**

Company : Chemnovo Synthesis Pvt Ltd.  
N-226 Near Kumbhavali Naka  
Tarapur MIDC, Boisar-401 506  
Palghar, Maharashtra  
Telephone : +91 7400096089  
Email: export@chemnovo.in

### **1.4. Emergency telephone number**

Emergency number : + 91 7400096089 (9:00am – 6:00 pm)

## **SECTION 2: Hazards identification**

### **2.1. Classification of the substance or mixture**

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

### **2.2. Label elements**

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

### **2.3. Other hazards**

No additional information available

## **SECTION 3: Composition/information on ingredients**

### **3.1. Substance**

Name : Bromocresol Green Indicator Dye Content 95% AR

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Full text of R- and H-phrases: see section 16

## 3.2. Mixture

Not applicable

## **SECTION 4: First aid measures**

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash with plenty of water/....  
First-aid measures after eye contact : Rinse immediately with plenty of water.  
First-aid measures after ingestion : Rinse mouth. Do not induce vomiting.

### 4.2. Most important symptoms and effects, both acute and delayed

No additional information available

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Dry powder. Foam. Water spray.  
Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

No additional information available

### 5.3. Advice for firefighters

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

## **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

### 6.2. Environmental precautions

Avoid release to the environment

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. On land, sweep or shovel into suitable containers.

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**Chemnovo**  
DRIVEN BY CHEMISTRY, DEFINED BY PRECISION

## 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|                               |   |  |
|-------------------------------|---|--|
| Precautions for safe handling | : | Avoid contact with skin and eyes. Do not breathe vapours. Provide good ventilation in process area to prevent formation of vapour. |
| Hygiene measures              | : | Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.              |

### 7.2. Conditions for safe storage, including any incompatibilities

|                    |   |  |
|--------------------|---|--|
| Storage conditions | : | Store in a well-ventilated place. Keep container tightly closed. |
|--------------------|---|--|

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

|                          |   |  |
|--------------------------|---|--|
| Hand protection          | : | Protective gloves  |
| Eye protection           | : | Chemical goggles or safety glasses                               |
| Skin and body protection | : | Wear suitable protective clothing                                |
| Respiratory protection   | : | [In case of inadequate ventilation] wear respiratory protection. |

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|  |   |                   |
|--|---|-------------------|
| Physical state                             | : | Solid             |
| Molecular mass                             | : | 698.04 g/mol      |
| Colour                                     | : | White to buff.    |
| Odour                                      | : | No data available |
| Odour threshold                            | : | No data available |
| pH   | : | No data available |
| Relative evaporation rate (butylacetate=1) | : | No data available |
| Melting point                              | : | 225 °C            |
| Freezing point                             | : | No data available |
| Boiling point                              | : | No data available |
| Flash point                                | : | No data available |
| Auto-ignition temperature                  | : | No data available |
| Decomposition temperature                  | : | No data available |
| Flammability (solid, gas)                  | : | No data available |
| Vapour pressure                            | : | No data available |
| Relative vapour density at 20 °C           | : | No data available |

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|                      |   |                                  |
|----------------------|---|----------------------------------|
| Relative density     | : | No data available                |
| Solubility           | : | Water: Slightly soluble in water |
| Log Pow              | : | No data available                |
| Viscosity, kinematic | : | No data available                |
| Viscosity, dynamic   | : | No data available                |
| Explosive properties | : | No data available                |
| Oxidising properties | : | No data available                |
| Explosive limits     | : | No data available                |

**9.2. Other information**

No additional information available

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No additional information available

**10.2. Chemical stability**

Stable under normal conditions of use.

**10.3. Possibility of hazardous reactions**

No additional information available

**10.4. Conditions to avoid**

Direct sunlight. Air contact. Moisture.

**10.5. Incompatible materials**

No additional information available

**10.6. Hazardous decomposition products**

No additional information available

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

|                                   |   |                |
|-----------------------------------|---|----------------|
| Acute toxicity                    | : | Not classified |
| Skin corrosion/irritation         | : | Not classified |
| Serious eye damage/irritation     | : | Not classified |
| Respiratory or skin sensitisation | : | Not classified |
| Germ cell mutagenicity            | : | Not classified |
| Carcinogenicity                   | : | Not classified |
| Reproductive toxicity             | : | Not classified |
| STOT-single exposure              | : | Not classified |
| STOT-repeated exposure            | : | Not classified |
| Aspiration hazard                 | : | Not classified |

**SECTION 12: Ecological information****12.1. Toxicity**

No additional information available

**12.2. Persistence and degradability**

No additional information available

**12.3. Bioaccumulative potential**

No additional information available

**12.4. Mobility in soil**

No additional information available

**12.5. Results of PBT and vPvB assessment**

No additional information available

**12.6. Other adverse effects**

No additional information available

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

No additional information available

**SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / AND

**14.1. UN number**

|               |   |                |
|---------------|---|----------------|
| UN-No. (ADR)  | : | Not applicable |
| UN-No. (IMDG) | : | Not applicable |
| UN-No.(IATA)  | : | Not applicable |
| UN-No.(AND)   | : | Not applicable |
| UN-No. (RID)  | : | Not applicable |

**14.2. UN proper shipping name**

|                             |   |                |
|-----------------------------|---|----------------|
| Proper Shipping Name (ADR)  | : | Not applicable |
| Proper Shipping Name (IMDG) | : | Not applicable |
| Proper Shipping Name (IATA) | : | Not applicable |
| Proper Shipping Name (ADN)  | : | Not applicable |
| Proper Shipping Name (RID)  | : | Not applicable |

**14.3. Transport hazard class(es)**

ADR

|                                  |   |                |
|----------------------------------|---|----------------|
| Transport hazard class(es) (ADR) | : | Not applicable |
|----------------------------------|---|----------------|

IMDG

|                                   |   |                |
|-----------------------------------|---|----------------|
| Transport hazard class(es) (IMDG) | : | Not applicable |
|-----------------------------------|---|----------------|

IATA

|                                   |   |                |
|-----------------------------------|---|----------------|
| Transport hazard class(es) (IATA) | : | Not applicable |
|-----------------------------------|---|----------------|

AND

|                                  |   |                |
|----------------------------------|---|----------------|
| Transport hazard class(es) (ADN) | : | Not applicable |
|----------------------------------|---|----------------|

RID

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Transport hazard class(es) (RID) : Not applicable

## 14.4. Packing group

Packing group (ADR) : Not applicable  
Packing group (IMDG) : Not applicable  
Packing group (IATA) : Not applicable  
Packing group (ADN) : Not applicable  
Packing group (RID) : Not applicable

## 14.5. Environmental hazards

Dangerous for the environment : No  
Marine pollutant : No  
Other information : No supplementary information available

## 14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

No data available

- Rail transport

No data available

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Bromocresol Green Indicator Dye Content 95% AR is not on the REACH Candidate List

Bromocresol Green Indicator Dye Content 95% AR is not on the REACH Annex XIV List

#### 15.1.2. National regulations

##### Germany

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed  
SZW-lijst van mutagene stoffen : The substance is not listed  
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed  
NIET-limitatieve lijst van voor de : The substance is not listed

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voortplanting giftige stoffen –

Fruchtbaarheid

NIET-limitatieve lijst van voor de : The substance is not listed

voortplanting giftige stoffen – Ontwikkeling

## 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

### Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Chemnovo Synthesis Pvt Ltd. and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.chemnovo.in](http://www.chemnovo.in) for additional terms and conditions of sale.

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