

**SAFETY DATA SHEET**

Create Date: 2020-12-18

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**SECTION 1: COMPANY AND PRODUCT INFORMATION**

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**1.1 Product identifiers**

Product name : Bromocresol green  
Cat. Number : ZXB-09-297  
CAS number : 76-60-8  
BCG  
BROMOCRESOL BLUE  
BROMOCRESOL GREEN (6CI)  
Synonyms : M-CRESOL, 4,4'-(3H- 2,1-BENZOXATHIOL-3-YLIDENE)BIS(2,6-DIBROMO-,  
S,S-DIOXIDE (8CI)  
TETRABROMO-M-CRESOLPHTHALEIN SULFONE  
3',3'',5',5''-TETRABROMO-M-CRESOLSULFONEPHTHALEIN

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

Identified uses : Laboratory chemicals, manufacture of substances

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

Address : Hinter den Gärten 56  
89173 Lonsee  
Germany  
Email : info@zellx.de  
Phone : +49(0)731 55211521  
Fax : +49(0)731 55211719

**1.4 Emergency telephone number**

Emergency phone : +49(0)731 55211521

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**SECTION 2: HAZARDS IDENTIFICATION**

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**2.1 Classification of substance or mixture**

Not a hazardous substance or mixture.

**2.2 GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Not a hazardous substance or mixture.

**2.3 Label elements and precautionary statements**

Pictogram : None  
Signal word : None  
Hazard statement(s) : Not available  
Precautionary statement(s) : Not available

**2.4 Hazards not otherwise classified (HNOC) or not covered by GHS**

None

## 2.5 NFPA Rating

Health hazard : 0  
Fire hazard : 0  
Reactivity hazard : 0

## 2.6 HMIS Rating

Health hazard : 0  
Chronic health hazard : 0  
Reactivity hazard : 0  
Flammability : 0  
Physical hazard : 0

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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### 3.1 Substances

| Substance   | CAS#    | EC#       | Concentration |
|---|---------|-----------|---------------|
| Bromocresol Green<br>M.F: C <sub>21</sub> H <sub>14</sub> Br <sub>4</sub> O <sub>5</sub> S<br>M.W: 698.01 g/mol | 76-60-8 | 200-972-8 | 95-100%       |

### 3.2 Hazardous components & classification

Not available

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## SECTION 4: FIRST AID MEASURES

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### 4.1 Description of first aid measures

#### In case of inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

#### In case of skin contact

Wash off with soap and plenty of water.

#### In case of eye contact

Flush eyes with water as a precaution.

#### In case of ingestion

Never give anything by mouth to an unconscious person. Rinse mouth with water.

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

Not available

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

Not available

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## SECTION 5: FIREFIGHTING MEASURES

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### 5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### 5.2 Unsuitable extinguishing media

Not available

### 5.3 Special hazards arising from the substance

Carbon oxides, Sulphur oxides, Hydrogen bromide gas.

#### **5.4 Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

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### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Avoid dust formation. Avoid breathing vapors, mist or gas.

**For personal protection see section 8**

#### **6.2 Environmental precautions**

Do not let product enter drains.

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

Sweep up and shovel. Keep in suitable, closed containers for disposal.

**For proper disposal see section 13**

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### **SECTION 7: HANDLING AND STORAGE**

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#### **7.1 Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice.

**For precautions see section 2**

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

Storage conditions : Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials : Strong oxidizing agents.

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### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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#### **8.1 Control parameters**

Contains no substances with occupational exposure limit values.

#### **8.2 Engineering controls**

Showers, Eyewash stations, Ventilation systems

#### **8.3 Personal protective equipment**

Eye/face protection : Tightly fitting safety goggles.

Skin protection : Wear protective gloves/clothing.

Body protection : Wear protective gloves/clothing.

Respiratory protection : If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Control of environmental exposure : Do not let product enter drains.

General hygiene  
considerations

: Handle in accordance with good industrial hygiene and safety practice

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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### 9.1 Information on basic physical and chemical properties

- a) Appearance : Light brown
- b) Physical states : Powder
- c) Odor : Not available
- d) Odor threshold : Not available
- e) Melting point : 225 °C (437 °F) - dec.
- f) Boiling point range : Not available
- g) pH : Not available
- h) Density : Not available
- i) Flash point : Not available
- j) Evaporation rate : Not available
- k) Flammability : Not available
- l) Upper/lower flammability or explosive limits: : Not available
- m) Vapor pressure : Not available
- n) Vapor density : Not available
- o) Relative density : Not available
- p) Water solubility : Slightly soluble in water
- q) Partition coefficient:n-octanol/water : Not available
- r) Autoignition temperature : Not available
- s) Decomposition temperature : Not available
- t) Kinematic viscosity : Not available
- u) Explosive properties : Not available
- v) Oxidizing properties : Not available
- w) Solubility in other solvents : Not available
- x) Surface tension : Not available

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## SECTION 10: STABILITY AND REACTIVITY

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### 10.1 Reactivity

Not available

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Stability note(s)

Not available

### 10.4 Polymerization

Not available

### 10.5 Possibility of hazardous reactions

Not available

#### **10.6 Incompatible materials**

Strong oxidizing agents

#### **10.7 Hazardous decomposition products**

Carbon oxides. Sulfur oxides. Hydrogen bromide gas.

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### **SECTION 11: TOXICOLOGICAL INFORMATION**

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#### **11.1 Acute toxicity**

LD50 Oral : Not available

LD50 Dermal : Not available

LC50 Inhalation : Not available

#### **11.2 Skin corrosion/irritation**

Not available

#### **11.3 Serious eye damage/eye irritation**

Not available

#### **11.4 Respiratory or skin sensitization**

Not available

#### **11.5 Germ cell mutagenicity**

Not available

#### **11.6 Carcinogenicity**

IARC : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP : No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

#### **11.7 Reproductive toxicity**

Not available

#### **11.8 Specific target organ toxicity – single exposure**

Not available

#### **11.9 Specific target organ toxicity – repeated exposure**

Not available

#### **11.10 Aspiration hazard**

Not available

#### **11.11 Additional Information**

Not available

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## SECTION 12: ECOLOGICAL INFORMATION

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### 12.1 Toxicity

Not available

### 12.2 Aquatic toxicity

Not available

### 12.3 Persistence and degradability

Not available

### 12.4 Bioaccumulative potential

Not available

### 12.5 Mobility in soil

Not available

### 12.6 Results of PBT and vPvB assessment

Not available

### 12.7 Other adverse effect

Not available

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## SECTION 13: DISPOSAL CONSIDERATIONS

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### 13.1 Product

Dispose of material in accordance with all federal, state, and local regulations.

### 13.2 Packaging

Dispose of in accordance with all federal, state and local regulations.

### 13.3 Recommendation

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## SECTION 14: TRANSPORTATION INFORMATION

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### 14.1 DOT (US)

Not regulated

### 14.2 IMDG

Not regulated

### 14.3 IATA

Not regulated

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## SECTION 15: REGULATORY INFORMATION

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### 15.1 SARA

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

### 15.2 Clean water act (CWA)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### 15.3 Right to know components

Massachusetts : No components are subject to the Massachusetts Right to Know Act.

Pennsylvania : Bromocresol Green CAS-No-76-60-8

New Jersey : Not available

California proposition : Bromocresol Green CAS-No-76-60-8  
65 components

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## SECTION 16: OTHER INFORMATION

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### 16.1 Disclaimer

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### 16.2 Preparation Information

Create Date: 2020-12-18