

### Material Safety Data sheet

#### Section 1: Product and Company Information

<b>Product Name</b>	Bromocresol Purple Azide Broth		
<b>Catalogue Number</b>	i23312	<b>Technical Phone</b>	0098 21 66787291
<b>E-mail</b>	ibresco@gmail.com	<b>Fax No</b>	09391003565
<b>Company Address</b>	Zist Kavosh Iranian, No.432, East Kokab Av,45 Metri Golshahr, Karaj, Iran.		

#### Section 2: Hazards Identification

##### Classification of the substance or mixture

**CLP Classification-Regulation (EC) No. 1272/2008[EU-GHS/CLP]**

Hazardous to the aquatic environment, long term hazard, (Category 3), H412

##### Label elements

##### Labeling according to Regulation (EC) No.1272/2008

Signal word                None

##### Hazard Statement(s)

H412 Harmful to aquatic life with long lasting effects

##### Precautionary Statement(s)

P273 Avoid release to the environment.

##### Other Hazards

none

#### Section 3: Composition / Information on Ingredients

##### Mixture

Component		Classification	Concentration
Sodium azide			
CAS No.	26628-22-8	<b>As Per EC Regulation 1272/2008</b> Acute Tox.oral. 2; Acute Tox. 1; Aquatic Acute 1; Aquatic Chronic 1 H300; H310; H400; H410	>=1.0 - <=10.0%
EC No.	247-852-1		
Bromocresol purple			
CAS No.	115-40-2	<b>As Per EC Regulation 1272/2008</b> Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3 H315; H319; H335	>=0.01 - <=0.1%
EC No.	204-087-8		

#### Section 4: First Aid Measures

##### Description of first-aid measures

<b>General advice</b>	Consult a physician. Show this safety data sheet to the doctor in attendance.
<b>If inhaled</b>	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
<b>In case of skin contact</b>	Wash with plenty of soap and water. Consult a physician.
<b>In case of eye contact</b>	Rinse immediately with plenty of water for at least 15 minutes. Consult a physician.
<b>If swallowed</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

No data available.

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

No data available

#### Section 5: Fire Fighting Measures

##### Extinguishing media

##### Suitable extinguishing media

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

##### Unsuitable extinguishing media

No data available.

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

Carbon oxides

Nitrogen oxides (NO<sub>x</sub>)

Hydrogen chloride gas

Sodium oxides

Oxides of phosphorus

Potassium oxides

##### Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary

##### Further information

No data available

#### Section 6: Accidental Release Measures

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

Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

##### Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

##### Methods and materials for containment and cleaning up

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

##### Reference to other sections

For disposal see section 13.

## Section 7: Handling and Storage

### Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Normal measures for preventive fire protection.

### Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Storage conditions** On receipt store between 10-30°C

## Section 8: Exposure Controls / Personal Protection

### Control parameters

Components with workplace control parameters

### Exposure controls

#### Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the products.

#### Personal protective equipment

##### Hygiene measure

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with the product.

##### Eye/face protection

Tightly fitting safety goggles; Face shield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 2016/425/EEC and the standard EN ISO 374-1/2016 derived from it.

##### Body protection

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### Environment exposure controls

Do not empty into drains.

## Section 9: Physical and Chemical Properties

Physical state	Light Yellow to beige colored homogeneous free flowing powder.
Odor	No data available
Odor Threshold	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flammability (solid, gas)	No data available
Flash point	No data available
Vapor pressure	No data available

Vapor density	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
pH	6.80 - 7.20
Viscosity	No data available
Water Solubility	No data available
Partition coefficient: n-octanol/water	No data available
Relative density	No data available
Explosive properties	No data available
Oxidizing properties	No data available
<b>Other safety information</b>	No data available

### Section 10: Stability and Reactivity

**Reactivity**

No data available.

**Chemical stability**

No data available

**Possibility of hazardous reactions**

No data available

**Conditions to avoid**

No data available

**Incompatible materials**

Strong oxidizing agents

**Hazardous decomposition products**

In the event of fire: see section 5

### Section 11: Toxicological Information

**Information on toxicological effects**

**Mixture**

**Acute toxicity** No data available

**Skin corrosion/irritation** No data available

**Serious eye damage/eye irritation** No data available

**Respiratory or skin sensitization** No data available

**Carcinogenicity** No data available

**Reproductive toxicity** No data available

**Specific target organ toxicity - single exposure** No data available

**Specific target organ toxicity - repeated exposure**

**Aspiration hazard** No data available

**Additional Information** RTECS: Not Available

**Components**

	<b>Sodium azide</b>
Acute oral toxicity	Rat LD50: 27mg/kg (As per RTECS) Acute dermal toxicity LD50 Rabbit: 20mg/kg (As per RTECS)
<b>Additional Information</b>	RTECS: VY8050000

	<b>Bromocresol purple</b>
Acute oral toxicity	No data available
Acute inhalation toxicity	May cause respiratory irritation
Acute dermal toxicity	No data available
Skin irritation	May cause skin irritation
Eye irritation	May cause eye irritation
Sensitization	No data available
Genetic toxicity(in-vitro)	No data available
Genetic toxicity(in-vivo)	No data available
Carcinogenicity	No data available
Toxicity to Reproduction	No data available
Teratogenicity	No data available
Additional information	RTECS: No data available

### Section 12: Ecological Information

<b>Toxicity</b>	No data available
<b>Components</b>	
	<b>Sodium Azide</b>
Toxicity to fish	LC50 Lepomis macrochirus (Bluegil sunfish): 0.7 mg/l; 96 h
Toxicity to Daphnia	EC50 Daphnia pulex (Water flea): 4.2 mg/l; 48 h
Toxicity to algae	IC50 mixed culture of green algae: 272 mg/l
Toxicity to bacteria	EC50 Photobacterium phosphoreum: 38.5 mg/l
<b>Persistence and degradability</b>	No data available
<b>Bio accumulative potential</b>	No data available
<b>Mobility in soil</b>	No data available
<b>Results of PBT and vPvB assessment</b>	This preparation contains no substance considered to be persistent, bioaccumulating or toxic (PBT) at levels of 0.1% or higher.
<b>Other adverse effects</b>	Discharge into the environment must be avoided.

### Section 13: Disposal Consideration

#### Waste treatment methods

##### Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

##### Contaminated packaging

Dispose of as unused product.

### Section 14: Transport Information

<b>UN-No</b>	ADNR ADR IATA_C IATA_P IMDG RID
<b>UN proper shipping name</b>	ADNR: Not dangerous goods ADR: Not dangerous goods IATA_C: Not dangerous goods IATA_P: Not dangerous goods IMDG: Not dangerous goods RID: Not dangerous goods
<b>Transport hazard class(es)</b>	ADNR: - ADR: - IATA_C: - IATA_P: - IMDG: - RID: -
<b>Packaging group</b>	ADNR: - ADR: - IATA_C: - IATA_P: - IMDG: - RID: -
<b>Environmental hazards</b>	ADNR: No ADR: No IMDG Marine pollutant No IATA_C: No IATA_P: No RID: No
<b>Special precautions for use</b>	No data available

### Section 15: Regulatory Information

#### Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

#### Safety health and environment regulations/legislation specific for the substance or mixture

No data available

#### Chemical Safety Assessment

No data available

## Section 16: Other Information

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### **DISCLAIMER**

For R&D use only. Not for drug, household or other uses.

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### **WARRANTY**

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. *ibresco* shall not be held liable for any damage resulting from handling or from contact with the above product.

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