SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

Catalog No. 10052

Product Name:	**Bromocresol Green,**
Synonyms:	Bromcresol Green
Manufacturer Name:	Lancaster Synthesis, Inc.
Supplier:	Lancaster Synthesis, Inc.
Address:	1 Industrial Drive Pelham, NH 03076
Business Phone:	603-889-3306
Business Fax:	603-889-3326
For information in North America, call:	603-889-3306

CHEMTREC Numbers:

For emergencies in the US, call CHEMTREC: 800-424-9300

For emergencies outside US, call INTERNATIONAL: (703)527-3887

For Nonemergency, call: (800)262-8200

To Top of page

SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS

Catalog No. 10052

Chemical Name	Bromocresol Green
CAS#	76-60-8

To Top of page

SECTION 3 : HAZARDS IDENTIFICATION

Catalog No. 10052

Emergency Overview: The toxicological and physiological properties of this material have not been investigated. Use appropriate procedures and precautions to prevent or minimize exposure.

Bromocresol Green:

Potential Health Effects:

Eye Contact:	No data
Skin Contact:	May cause skin irritation.
Inhalation:	May cause respiratory tract irritation.
Ingestion:	No data
Target Organs:	No data.

To Top of page

SECTION 4 : FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of water for at least 20 minutes. Assure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention if irritation persists, or symptoms of overexposure become apparent.
Skin Contact:	Immediately wash skin with plenty of water for at least 20 minutes, while removing contaminated clothing and shoes. Get medical attention especially, if irritation develops, persists, or symptoms of overexposure become apparent.
Inhalation:	Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Keep warm. Get immediate medical attention.
Ingestion:	

SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION

Catalog No. 10052

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Skin Protection Description:	Wear suitable protective clothing to prevent contact with skin.
Hand Protection Description:	Wear appropriate protective gloves. Consult glove manufacturers for glove permeability data.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an appropriate cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited to airborne concentrations that are typically within 10 times the exposure limit. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection. A respiratory protection program that meets OSHAs 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirators use.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

To Top of page

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

Catalog No. 10052

Physical State/Appearance:	Solid
Color:	Pale brown
Flash Point:	No data
Boiling Point:	No data
Melting Point:	ca. 225°C (437°F)
Solubility in Water:	Insoluble
Density:	No data
Molecular Formula:	$C_{21}H_{14}Br_4O_5S$
Molecular Weight:	698.02

To Top of page

SECTION 10 : STABILITY and REACTIVITY

Catalog No. 10052

Conditions to Avoid:	High temperatures, flames and sparks.
Incompatibilities with Other Materials:	Strong oxidizing agents. Strong reducing agents.
Possible Decomposition Product:	Carbon monoxide. Hydrogen bromide. Oxides of sulphur.

To Top of page

SECTION 11 : TOXICOLOGICAL INFORMATION

Catalog No. 10052

Bromocresol Green :

RTECS Number:

SECTION 16 : ADDITIONAL INFORMATION

Catalog No. 10052

MSDS Preparation Date: January 1, 2002, Version 1

MSDS Revision Date: April 14, 2003.

MSDS Author: Actio Corporation.

Disclaimer:

This Health and Safety Information is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, that any revision of this Data Sheet is sent to all customers to whom we have directly supplied this substance, but must point out that it is the responsibility of any intermediate supplier to ensure that such revision is passed to the ultimate user. The information given in the Data Sheet is designed only as a guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment.
Should further information be required, this can be obtained through the sales office whose address is at the top of this data sheet. We welcome any additional information about our products that customers have obtained by personal experience.

References:

1. American Chemical Society, STN Easy Online Database
2. Brethericks Reactive Chemical Hazards Database. Version 2.
3. Gassarett and Doulls Toxicology, The Basic Science of Poisons.
4. Hawleys Condensed Chemical Dictionary, Thirteenth Edition
5. IARC monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Man, WHO International Research on Cancer.
6. Industrial Hygiene and Toxicology, by F.A. Patty.
7. National Library of Medicine, Department of Health and Human Services, Hazardous Substances Data Bank (HSDB).
8. National Toxicology Program (NTP) Eighth Report on Carcinogens, 1997.
9. NIOSH Registry of Toxic Effects of Chemical Substances (RTECS) and Pocket Guide to Chemical Hazards.
10. OSHA Hazard Communication Standard, 1910.1200 and Z Tables.
11. Sax Dangerous Properties of Industrial Materials. Tenth Edition.
12. The Merck Index: An Encyclopedia of Chemicals and Drugs. Merck and Company. Twelfth Edition 1998.
13. Threshold Limit Values for Chemical Substances and Physical Agents in the Work Environmental and Biological Exposure Indices. TLV Booklet, 2001.