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Material Safety Data Sheet

CHENTREC: 1-600-426-9360 Notional Response in Canada CASUTEC: 015-893-4066

Outside U.S. and Canada

Outside U.S. and Cenado Chemires: 202 498 7616

NOTE: CHEMITEC CARIUTEC and nistional Response Confer praegency numbers to be used only in the excelled shortled crop geneloo involving a spill, look, Tro, expesses or excident taxotizing chemicals.

24 | lour Emergency Telephone: 906-359-2151

Ph'llipsburg, NJ 03865

rome Mallinokrodt Baker. Inc.

222 Red School Lane

MALLINCKRODT

All non-emergency questions should be directed to Customer Service (1: 600-582-2537) for assistance

BROMOCRESOL GREEN

SDS Number: B4392 --- Effective Date: 12/08/96

. Product Identification

Synonyms: 3,3',5,5'-Tetrabromo-m-cresolsulfonphthalein; 4,4'-(3H-2, 1-Benzoxathiol-3-ylidene) bis [2,6-

dibromo-3 methylphenol]S,S-dioxide

CAS No.: 76-60-8 Molecular Weight: 698

Chemical Formula: C21H14O5Br4S

Product Codes: J.T. Baker: C946 Mallinckrodt: 1793

. Composition/Information on Ingredients

 Ingredient
 CAS No
 Percent
 Hazardous

 Bromocresol Green
 76-60-8
 90 - 100%
 Yes

. Hazards Identification

Emergency Overview

CAUTION! MAY BE HARMFUL IF SWALLOWED OR INHALED. MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT.

J.T. Baker SAF-T-DATA^(tm) Ratings (Provided here for your convenience)

Health Rating: 1 - Slight

Slammability Rating: 1 - Slight Reactivity Rating: 0 - None Contact Rating: 1 - Slight

Lab Protective Equip: GOGGLES; LAB COAT Storage Color Code: Orange (General Storage)

Potential Health Effects

Inhalation:

May cause irritation to the respiratory tract. Symptoms may include coughing and shortness of breath.

Ingestion:

Large oral doses may cause irritation to the gastrointestinal tract.

Skin Contact:

May cause irritation with redness and pain.

Eye Contact:

May cause irritation, redness and pain.

Chronic Exposure:
To information found.

Aggravation of Pre-existing Conditions:

No information found.

. First Aid Measures

Inhalation:

Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion:

Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

Skin Contact:

Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. The medical attention if irritation persists.

. Fire Fighting Measures

Fire:

As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source.

Explosion:

Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Fire Extinguishing Media:

Water spray, dry chemical, alcohol foam, or carbon dioxide.

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

. Exposure Controls/Personal Protection

Airborne Exposure Limits:

None established.

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Personal Respirators (NIOSH Approved):

For conditions of use where exposure to the dust or mist is apparent, a half-face dust/mist respirator may be worn. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure,

air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:

Wear protective gloves and clean body-covering clothing.

Eye Protection:

Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

. Physical and Chemical Properties

Appearance:

Light brick colored powder.

Odor:

Odorless or faint medicinal odor.

Solubility:

Slightly soluble in water.

Specific Gravity:

No information found.

BH:

No information found.

% Volatiles by volume @ 21C (70F):

0

Boiling Point:

Not applicable.

Melting Point:

218C (424F)

Vapor Density (Air=1):

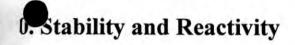
No information found.

Vapor Pressure (mm Hg):

No information found.

Evaporation Rate (BuAc=1):

No information found.



Stability:

table under ordinary conditions of use and storage.

Hazardous Decomposition Products:

Burning may produce bromines, sulfur oxides, carbon dioxide, and carbon monoxide.

Hazardous Polymerization:

Will not occur.

Incompatibilities:

Strong oxidizers.

Conditions to Avoid:

No information found.

1. Toxicological Information

No LD50/LC50 information found relating to normal routes of occupational exposure. Investigated as a mutagen.

\Cancer Lists\			
	NTP	Carcinogen	
Ingredient	Known	Anticipated	IARC Category
Bromocresol Green (76-60-8)	No	No	None

2. Ecological Information

Environmental Fate:

No information found.

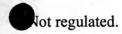
Environmental Toxicity:

No information found.

3. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

4. Transport Information



5. Regulatory Information

Ingredient			TSCA		Japan	Australia
Bromocresol Green (
\Chemical I	nventory Status - Par	t 2\				
Ingredient			Korea	DSL		Phil.
Bromocresol Green (Yes	Yes		Yes
\Federal, S	State & International					A 313
Ingredient			TPQ	Lis	t Che	mical Catg
Bromocresol Green (No
\Federal, S	State & International	Regulation				
Incedient		CERCL	A		-T:	(d)
Bromocresol Green (No			N	0
emical Weapons Conv RA 311/312: Acute: activity: No	vention: No TSCA Yes Chronic: No (Pure / Solid)	12(b): Fire:	No No P	CDTA: ressur	No e: No	

Australian Hazchem Code: No information found.

Poison Schedule: No information found.

WHMIS:

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

6. Other Information

NFPA Ratings: Health: 1 Flammability: 1 Reactivity: 0

abel Hazard Warning:

CAUTION! MAY BE HARMFUL IF SWALLOWED OR INHALED. MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT.

Label Precautions:

livoid contact with eyes, skin and clothing. Wash thoroughly after handling. Avoid breathing dust. Keep container closed. Use with adequate ventilation.

Label First Aid:

If inhaled, remove to fresh air. Get medical attention for any breathing difficulty. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists. If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.

Product Use:

Laboratory Reagent.

Revision Information:

Pure. New 16 section MSDS format, all sections have been revised.

Disclaimer:

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