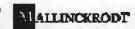
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Material Safety Data Sheet

rown Mallinokrodt Baker, Inc. 222 Red School Lane Phylipsburg, NJ 09865





24 Hour Emergency Telephones 906-059-2191 CHENTREC: 1-600-424-0460

Notional Response in Ceneda OAYUTEC 015-003-0000

Ostaldo U.S. and Canada Chemiros 202 492 7616

NOTE: CHEMITEC CARUITEC and resized Hosponso Canter a neigency numbers to be used only in true west of chemical emergencies laweters; a spill, logs, fire, exposure or excitlent laweters; chemicals.

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

ROMOTHYMOL BLUE SOLUTION

SDS Number: B5392 --- Effective Date: 12/08/96

. Product Identification

Synonyms: 3,3',-Dibromothymolsulfonphthalein, sodium salt in aqueous solution; Bromothymol Blue 0.04%

(w/v) Aqueous pH 6.0 to 7.6

CAS No.: 34722-90-2

Molecular Weight: 646.35

Chemical Formula: C27H27Br2O5SNa

Product Codes: J.T. Baker: D472 Mallinckrodt: H031

. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Bromothymol Blue Sodium Salt Water	34722-90-2 7732-18-5	< 1% > 99%	No No

. Hazards Identification

Emergency Overview

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

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

Health Rating: 1 - Slight

Flammability Rating: 0 - None Reactivity Rating: 0 - None Contact Rating: 0 - None

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

Potential Health Effects

Inhalation:

No adverse health effects expected from inhalation.

Ingestion:

Large doses may cause stomach upset.

Skin Contact:

Not expected to be a health hazard. May cause slight irritation.

Eye Contact:

Splashes may cause irritation.

Chronic Exposure:

No information found.

Aggravation of Pre-existing Conditions:

No information found.

. First Aid Measures

Inhalation:

Not expected to require first aid measures.

Ingestion:

If large amounts were swallowed, give water to drink and get medical advice.

Skin Contact:

Wash exposed area with soap and water. Get medical advice if irritation develops.

Eye Contact:

Wash thoroughly with running water. Get medical advice if irritation develops.

. Fire Fighting Measures

Fire:

Not considered to be a fire hazard.

Explosion:

Not considered to be an explosion hazard.

Fire Extinguishing Media:

Use any means suitable for extinguishing surrounding fire.

Special Information:

Use protective clothing and breathing equipment appropriate for the surrounding fire.

. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Contain and recover liquid when possible. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust.

. Qandling and Storage

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

. Exposure Controls/Personal Protection

Airborne Exposure Limits:

None established.

Ventilation System:

Not expected to require any special ventilation.

Personal Respirators (NIOSH Approved):

Not expected to require personal respirator usage.

Skin Protection:

Wear protective gloves and clean body-covering clothing.

ye Protection: Safety glasses.

. Physical and Chemical Properties

Appearance:

Light green to clear amber solution.

Odor:

Odorless.

Solubility:

Completely soluble in water.

Specific Gravity:

ca. 1.0

pH:

No information found.

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

No information found.

Boiling Point:

ca. 100C (ca. 212F)

Melting Point:

ca. 0C (ca. 32F)

Vapor Density (Air=1):

Essentially the same as water.

Vapor Pressure (mm Hg):

Essentially the same as water.

Evaporation Rate (BuAc=1):

Essentially the same as water.

0. Stability and Reactivity

Stability:

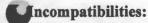
Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products:

No hazardous decomposition products.

Hazardous Polymerization:

Will not occur.



No incompatibility data found.

Conditions to Avoid:

No information found.

1. Toxicological Information

No LD50/LC50 information found relating to normal routes of occupational exposure.

\Cancer Lists\			
	NTP	Carcinogen	
Ingredient	Known	Anticipated	IARC Category
Bromothymol Blue Sodium Salt (34722-90-2)	No	No	None
Water (7732-18-5)	No	No	None

2. Ecological Information

Environmental Fate:

No information found.

Environmental Toxicity:

No information found.

3. Disposal Considerations

Dilute with water and flush to sewer if local ordinances allow, otherwise, 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

Not regulated.

5. Regulatory Information

				Australia
	Yes	Yes	No	Yes
	Korea			
	No	Yes	No	Yes
-SARA RO	302- TPQ	Lis	SAR	A 313 mical Catg
No	No	No		No
CERCLA	A	-RCRA		SCA- (d)
				0
No		No	N	0
	gulatic -SARA RQ No No gulatic CERCL	Yes Yes Yes Yes 2\ Korea No Yes gulationsSARA 302- RQ TPQ No No No No Qulations - CERCLA No	Yes Yes Yes Yes Yes Yes Yes Yes 2\	Yes Yes No Yes Yes Yes 2\

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: 0 Flammability: 0 Reactivity: 0

Label Hazard Warning:

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

Label Precautions:

None.

Not applicable.

Product Use:

Laboratory Reagent.

Revision Information:

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

Disclaimer:

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