

MATERIAL SAFETY DATA SHEET

Bromocresol Green - Methyl Orange

SECTION 1 . Product and Company Identification

Product Name and Synonym: Bromocresol Green - Methyl Orange
Product Code: 240-05
Material Uses:
Manufacturer: OFI Testing Equipment, Inc.
11302 Steeplecrest Drive
Houston, TX 77065 USA
Phone: (713) 880-9885
Fax: (713) 880-9886
Entry Date : 5/11/2010
Print Date: 7/30/2010
24 Hour Emergency Assistance : Chemtrec 800-424-9300
Canutec 613-996-6666

Health:	0			
Flammability:	0			
Reactivity:	0			
Hazard Rating:				
Least	Slight	Moderate	High	Extreme
0	1	2	3	4
NA = Not Applicable		NE = Not Established		

SECTION 2 HAZARD IDENTIFICATION

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

Emergency Overview: Warning! Harmful If Swallowed. Causes Irritation to skin and eyes. May cause respiratory tract irritation.
Inhalation: No Adverse Health Effects Expected from Inhalation.
Ingestion: Large Doses may Cause Stomach Upset.
Skin: Not Expected to be a Health Hazard. May Cause Slight Irritation.
Eye Contact: Splashes may Cause Irritation.
Chronic Exposure: No Information Found.

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Bromocresol Green Sodium Salt	CAS# 62625-32-5	0.01 - 1%	W/V	None established
<input type="checkbox"/>	Methyl Orange Sodium Salt	CAS# 547-58-0	0.01 - 1%	W/V	TXDS: orl-rat LD ₅₀ : 60 mg/Kg
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

SECTION 4 FIRST AID MEASURES

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

If large amounts are swallowed give water to drink and seek medical aid.

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SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire

Fire / Explosion Hazards: None Known.

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Absorb spill with inert material (vermiculite, sand, earth).
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.

SECTION 7 HANDLING AND STORAGE

This Material is not considered hazardous. Handle using safe laboratory practices. Protect from freezing and direct sunlight.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: None required

Ventilation

Local Exhaust

Mechanical

Protective Gloves: Gloves to prevent skin exposure as rubber or vinyl

Eye Protection: Safety Glasses

Other Protective Equipment: Use safe laboratory handling procedures.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	~ 0°C	Percent Volatile by Volume:	> 99%
Boiling Point:	~ 100°C	Evaporation Rate	1
Vapor Pressure:	Information not available	Evaporation Standard	Water = 1
Vapor Density:	Information not available	Auto Ignition Temp	Not applicable
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	Clear Green-blue / None	Upper Flamm. Limit in Air	Not applicable
Flash Point:	Not flammable		
Specific Gravity:	1		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable

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Conditions to Avoid: None known

Materials to Avoid: Concentrated acids and bases, water-reactive materials.

Hazardous Decomposition Products: None known.

Hazardous polymerization: Will Not Occur

Conditions to Avoid: None known

SECTION 11 Toxicological Information

Carcinogenic References: NTP Carcinogen - Known: No, IARC Category- None

SECTION 12 Ecological Information

Environmental Fate: No Information Found
Environmental Toxicity: No Information Found

SECTION 13 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.

SECTION 14 Transport Information

DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

SECTION 15 Regulatory Information

Chemical Inventory Status –
Part 1: Ingredient
Methyl Orange Sodium Salt (547-58-0)
Bromocresol Green Sodium Salt (62625-32-5)
TSCA Yes YES
EC Yes YES
Japan YES NO
Australia Yes NO

Chemical Inventory Status –
Part 2: Ingredient
Methyl Orange Sodium Salt (547-58-0)
Bromocresol Green Sodium Salt (62625-32-5)
Korea YES NO
DSL Yes YES
NDSL No NO
Phil. Yes YES

Federal, State & International Regulations –
Part 1: Ingredient.
Methyl Orange Sodium Salt (547-58-0)
Bromocresol Green Sodium Salt (62625-32-5)
RQ No NO
TPQ No NO
List NO NO
Chemical Catg No NO

Federal, State &
International Regulations –
Part 2: Ingredient
Methyl Orange Sodium Salt (547-58-0)
Bromocresol Green Sodium Salt (62625-32-5)
CERCLA NO NO

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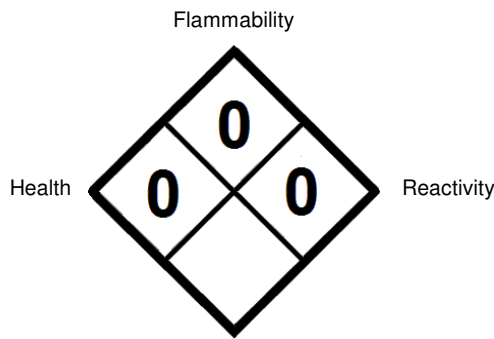
261.33 No NO
8(d) No NO

Chemical Weapons Convention: No
TSCA 12 (b):No
CDTA:No MIXTURE/LIQUID
SARA 311/312: Acute:YES
Chronic: No
Fire: No
Pressure: No
Reactivity: No

Poison Schedule:NONE ALLOCATED

SECTION 16 Additional Information

Conditions aggravated/Target organs: None known. Acute: slight irritation possible to skin, eyes, lungs, mucous membranes and GI tract. Chronic: none known.



NFPA

Revisions

7/30/2010	0.1	updated msds to 16 section from 10 section msds. STN
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