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MSDS No. TT 150
Effective Date November 22, 1996

MATERIAL SAFETY DATA SHEET

SECTION V

HEALTH HAZARD DATA

TT 150

None established. (ACGIH 1992/93).
No toxicity data available.

Effects of Overexposure

May be harmful by ingestion, or skin absorption. May cause irritation. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

INGESTION: If swallowed, if conscious, give one or two glasses of water to drink, induce vomiting and call a physician. Never give anything by mouth to an unconscious person. **SKIN:** Flush with water, then wash with mild soap and water. **EYES:** Flush thoroughly with water, lifting upper and lower eyelids occasionally. If irritation develops or persists, get medical attention. **INHALATION:** Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SECTION VI

REACTIVITY DATA

Stability	Conditions to Avoid	
	Unstable	Stable
		X

Protect from light, excessive temperature and heat.

Incompatibility (Materials to Avoid)

Strong oxidizing materials.

Hazardous Decomposition Products

Thermal decomposition or burning emits carbon dioxide and/or carbon monoxide, SO_x and Na_2O .

Hazardous Polymerization

Conditions to Avoid

Not applicable.

SECTION VII

SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled

Absorb spill with an inert dry material and place in a suitable container for disposal. Wash spill area well with soap and water.

Waste Disposal Method

Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.

Dispose of in accordance with federal, state and local regulations.

SECTION VIII

SPECIAL PROTECTION INFORMATION

Respiration Protection: None should be needed in normal laboratory handling. If misty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved respirator.

Ventilation (Specify Type)	Local Exhaust		Special		No.
	Mechanical (General)	Not needed.	Other	Not needed.	

Protective Gloves: Rubber. Eye Protection: Chemical safety glasses.

Other Protective Equipment: Goggles, lab coat, apron, eye wash station, proper gloves.

SECTION IX

SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing: Store in a cool, dry place away from oxidizing materials and protect from light. Wash thoroughly after handling. Remove and wash contaminated clothing. Keep container tightly closed when not in use.

Other Precautions

Read label on container before using. Do not wear contact lenses when working with chemicals.

Do not get in eyes, on skin or clothing. There is insufficient data in the published literature to assign complete laboratory protective equipment for this product. Special precautions must be used in storage, use and handling.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision No. 3 Date 11/22/96 Approved Michael Raszeja Chemical Safety Coordinator MR

The information contained herein is furnished without warranty of any kind. Employees should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards. Printed on recycled paper.

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	THYMOL BLUE, 0.04% AQUEOUS SOLUTION	CHEMTREC		Health	
		800-424-9300	Day 716-226-6177	Fire	0
Chemical Synonyms	Thymolsulfonphthalein, Sodium Salt			Reactivity	0
Formula	Mixture.			HMIS *	
Unit Size	up to 4 Lt.			LEAST	SLIGHT
C.A.S. No.	Mixture.			0	1
				2	3
				4	4

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Thymol Blue, pH Indicator: (CAS No. 62625-21-2)	0.04%	None established.
Water: (CAS No. 7732-18-5)	99.9%	

CAUTION! MAY BE HARMFUL BY INGESTION, OR SKIN

ABSORPTION. MAY CAUSE EYE AND SKIN IRRITATION.

SECTION III PHYSICAL DATA

Melting Point (°F)	Freezes at 0°C (32°F)	Specific Gravity ($H_2O = 1$)	Approx. 1.0 at 20°C
Boiling Point (°F)	100°C (212°F) water	Percent Volatile by Volume (%)	99%
Vapor Pressure (mm Hg)	14 (water)	Evaporation Rate (Water = 1)	<1
Vapor Density (Air=1)	0.7 (water)		
Solubility in Water	Complete.		
Appearance & Odor	Blue-green liquid; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Flammable Limits in Air	
	% by Volume	Upper
	N/A	

Extinguisher Media: Non-flammable.

Use any media suitable for extinguishing supporting fire.

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

UNUSUAL FIRE AND EXPLOSION HAZARDS

In fire conditions, water may evaporate from this solution, which may cause hazardous decomposition products to be produced as dust or fume.

D.O.T. NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20