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THYMOL BLUE FREE ACID ACS

Material Safety Data Sheet

1. PRODUCT IDENTIFICATION:

Synonyms: TB; Thymolsulfonephthalein.

CAS No.: 76-61-9.

Molecular Weight: 466.59.

Chemical Formula: C₂₇H₃₀O₅S.

2. COMPOSITION / INFORMATION ON INGREDIENTS:

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Percent</u>	<u>Hazardous</u>
Thymol Blue	76-16-9		No

3. HAZARDS IDENTIFICATION:

Emergency Overview

Appearance: Dark brown solid. The toxicological properties of this material have not been fully investigated. **CAUTION!** May cause eye and skin irritation. May cause respiratory and digestive tract irritation.

Target Organs: None known.

Potential Health Effects

Eye: May cause eye irritation. No information regarding eye irritation and other potential effects was found.

Skin: May cause skin irritation. No information regarding skin irritation and other potential effects was found.

Ingestion: May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.

Inhalation: May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

Chronic: No information found.

4. FIRST AID MEASURES:

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of soap and water.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. **Never** give anything by mouth to an unconscious person. Get medical aid.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician: Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES:

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media: Use foam, dry chemical, or carbon dioxide.

Flash Point: Not available.

Auto-ignition Temperature: Not available.

Explosion Limits, Lower: Not available.

Upper: Not available.

NFPA Rating: Not published.

6. ACCIDENTAL RELEASE MEASURES:

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions. Provide ventilation.

7. HANDLING AND STORAGE:

Handling: Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

<u>Chemical Name</u>	<u>ACGIH</u>	<u>NIOSH</u>	<u>OSHA - Final PELs</u>
Thymol Blue	None listed	None listed	None listed

OSHA Vacated PELs: Thymol Blue: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment:

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Solid.

Appearance: Dark brown.

Odor: Characteristic odor.

pH: Not available.

Vapor Pressure: Not available.

Vapor Density: Not available.

Evaporation Rate: Not available.

Viscosity: Not available.

Boiling Point: Not available.

Freezing/Melting Point: 221. Deg C dec.

Decomposition Temperature: Not available.

Solubility: Insoluble.

Specific Gravity/Density: Not available.

10. STABILITY AND REACTIVITY:

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: High Temperatures.

Incompatibilities with Other Materials: Not available.

Hazardous Decomposition Products: Carbon monoxide, oxides of sulfur, carbon dioxide.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION:

RTECS#: CAS# 76-61-9: XP2575000.

LD50/LC50: Not available.

Carcinogenicity: CAS# 76-61-9: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology: Not data available.

Teratogenicity: No data available.

Reproductive Effects: No data available.

Neurotoxicity: No data available.

Mutagenicity: No data available.

Other Studies: No data available.

12. ECOLOGICAL INFORMATION:

No information available.

13. DISPOSAL CONSIDERATIONS:

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3.

Additionally, waste generators must consult state and local hazardous regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

14. TRANSPORT REGULATIONS:

No information available.

15. REGULATORY INFORMATION:

US FEDERAL

TSCA CAS# 76-61-9 is listed on the TSCA inventory.

Health & Safety Reporting List None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules None of the chemicals in this product are under a Chemical Test Rule.

Section 12b None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule None of the chemicals in this material have a SNUR under TSCA.

SARA

Section 302 (RQ) & Section 302 (TPQ) None of the chemicals in this material/product have an RQ or TPQ.

Section 313 No chemicals are reportable under Section 313.

Clean Air Act: This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

Clean Water Act: None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA: None of the chemicals in this product are considered highly hazardous by OSHA.

STATE CAS# 76-61-9 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California No Significant Risk Level: None of the chemicals in this product are listed.

EUROPEAN/INTERNATIONAL REGULATIONS
European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases: Not available

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 76-61-9: No information available.

Canada - DSL/NDSL

CAS# 76-61-9 is listed on Canada's DSL List.

Canada - WHMIS

This product has a WHMIS classification of not controlled.

Canadian Ingredient Disclosure List

16. DISCLAIMER INFORMATION:

DISCLAIMER:

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