



UNISOURCE CHEMICALS PRIVATE LIMITED

Factory : L-15 MIDC TARAPUR, BOISAR - 401506 DIST. THANE

Tel.: 2205 2250; 2205 0713; Fax: ++91-22-22019990 ;

E-mail: unisourceindia@gmail.com; Web: www.ucplchem.com

METHYL RED SODIUM SALT ACS

Material Safety Data Sheet

1. PRODUCT IDENTIFICATION:

Synonyms: 2-((4-Dimethylamino)phenylazo) benzoic acid, sodium salt; C.I. Acid Red 2, sodium salt.

CAS No.: 845-10-3

Molecular Weight: 291.29

Chemical Formula: C₁₅H₁₄N₃O₂Na

2. COMPOSITION / INFORMATION ON INGREDIENTS:

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Percent</u>	<u>Hazardous</u>
Methyl Red Sodium Salt	845-10-3	90 - 100%	No

3. HAZARDS IDENTIFICATION:

Emergency Overview

Appearance: Dark red to brownish yellow to brown powder. **WARNING! TOXICOLOGICAL PROPERTIES UNKNOWN. MAY BE HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN. MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT**

Potential Health Effects

Eyes: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea. The toxicological properties of this material have not been fully investigated.

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

Chronic:

4. FIRST AID MEASURES:

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Skin: In case of contact, flush skin with plenty of water for at least 15 minutes while removing contaminated clothes and shoes. Get medical attention if irritation develops or persists.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls water or milk to drink. **Do NOT** induce vomiting. **NEVER** give anything by mouth to an unconscious person. Get medical attention if irritation or symptoms appear.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if cough or other symptoms appear.

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. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media: In case of fire use water spray to cool fire exposed containers. Use water spray, dry chemical, Carbon dioxide, or appropriate foam.

Flash Point: Not available.

Auto-ignition Temperature: Not available.

Explosion Limits, Lower: Not available.

Upper: Not available.

NFPA Rating: (estimated) Health: 1; Flammability: 1; Instability: 0.

6. ACCIDENTAL RELEASE MEASURES:

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

Spills/Leaks: Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust.

7. HANDLING AND STORAGE:

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

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

<u>Chemical Name</u>	<u>ACGIH</u>	<u>NIOSH</u>	<u>OSHA-Final PEL's</u>
Methyl red, sodium salt	None listed	None listed	None listed

OSHA Vacated PELs: Methyl Red, sodium salt: 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 29 CFR 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:

Appearance: Dark red to brownish yellow to brown crystalline powder.

Odor: Odorless.

Solubility: Not available.

Specific Gravity: No information found.

pH: No information found.

% Volatiles by volume @ 21 deg. C (70 deg. F): 0

Boiling Point: No information found.

Freezing/ Melting Point: 0° C

Vapor Density (Air=1): Not applicable.
Vapor Pressure (mm Hg): Not applicable.
Evaporation Rate (BuAc=1): No information found.
Decomposition Temperature: Not available.

10. STABILITY AND REACTIVITY:

Stability: Stable under ordinary conditions of use and storage.
Conditions to Avoid: Heat, flames, ignition sources, and incompatible materials.
Incompatibilities with Other Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Nitrogen oxides, sodium oxides.
Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION:

RTECS: CAS#845-10-3 unlisted.
LD50/LC50: CAS#845-10-3: Not available.
Carcinogenicity: CAS#845-10-3: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
Epidemiology: Not available.
Teratogenicity: Not available.
Reproductive Effects: Not available.
Neurotoxicity: Not available.
Mutagenicity: Not available.
Other Studies: Not available.

12. ECOLOGICAL INFORMATION:

Environmental Fate: No information found.
Environmental Toxicity: No information found.

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 40CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed
RCRA U-Series: None listed.

14. TRANSPORT REGULATIONS:

Not regulated

15. REGULATORY INFORMATION:

US FEDERAL

TSCA CAS#845-10-3 is listed on the TSCA inventory. For research & development use only.
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 a TSCA Section 12b
TSCA Significant New Use Rule None of the chemicals in this material have a SNUR under TSCA/
SARA
CERCLA Hazardous Substances and corresponding RQs None of the chemicals in this material have an RQ.
SARA Section 302 Extremely Hazardous Substances None of the chemicals in this product have 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 Substance under the CWA. None of the chemicals in this product are listed as Priority Pollutants 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#845-10-3 is not present on state lists from CA, PA, MA, MN, 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

Hazardous Symbols: Not available.

Risk Phrases: Not available.

Safety Phrases: Not available.

WGK (Water Danger/Protection) CAS#845-10-3 No information available.

Canada – DSL/NDSL CAS#845-10-3 is listed on Canada’s DSL List.

Canada - WHMIS WHMIS is not available.

CAS#845-10-3 is not listed on Canada’s Ingredient Disclosure List.

Exposure Limits

16. DISCLAIMER INFORMATION:

DISCLAIMER:

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