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XYLENOL ORANGE TETRASODIUM SALT ACS

Material Safety Data Sheet

1. PRODUCT IDENTIFICATION:

Synonyms: 3,3'-bis[N,N-di(Carboxymethyl) aminomethyl]-o-cresolsulfonephthaleine, sodium salt. Xylenol orange, indicator; Xylenol Orange, sodium salt; Tetrasodium.

CAS No.: 3618-43-7

Molecular Weight: 760.59

Chemical Formula: C₃₁H₂₈N₂Na₄O₁₃S

2. COMPOSITION / INFORMATION ON INGREDIENTS:

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Percent</u>	<u>Hazardous</u>
Xylenol Orange, Tetrasodium Salt	3618-43-7	> 90%	No

3. HAZARDS IDENTIFICATION:

Emergency Overview

Appearance: Dark brown-purple to dark red solid. **Caution!** May cause irritation. This is expected to be a low hazard for usual industrial handling.

Target Organs: None

Potential Health Effects

Inhalation: Dust is irritating to the respiratory tract. Low hazard for usual industrial handling.

Ingestion: May cause gastrointestinal irritation with nausea, vomiting, and diarrhea.

Skin Contact: May cause skin irritation. Low hazard for usual industrial handling.

Eye Contact: May cause eye irritation.

Chronic Exposure: No information found.

4. FIRST AID MEASURES:

Inhalation: If inhaled, remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Ingestion: If swallowed, **Do NOT** induce vomiting unless directed to do so by medical personnel. **Never** give anything by mouth to an unconscious person. Get medical attention.

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.

Eye: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. 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: In case of fire, use water spray, dry chemical foam, or alcohol-resistant foam.

Flash Point: Not applicable.

Auto-ignition Temperature: Not available.

Explosion Limits, Lower: Not applicable.

Upper: Not applicable.

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

6. ACCIDENTAL RELEASE MEASURES:

General Information: Wear appropriate personal protective equipment as specified in Section 8.

Spills/Leaks: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Provide ventilation.

7. HANDLING AND STORAGE:

Handling: Wash thoroughly after handling. Remove contaminated clothing and shoes. Wash clothing before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid breathing dust.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

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

Exposure Limits

<u>Chemical Name</u>	<u>ACGIH</u>	<u>NIOSH</u>	<u>OSHA Final PELs</u>
Xylenol orange tetrasodium salt	None listed	None listed	None listed

OSHA Vacated PELs: Xylenol Orange Tetrasodium Salt: No OSHA Vacated PELs are listed.

Personal Protective Equipment

Eyes: Wear appropriated protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN 166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing (Lab coat, overalls) 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:

Physical State: Solid.

Appearance: Dark brown-purple to dark red crystals.

Odor: No information found

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: 210° C

Decomposition Temperature: 210° C

Solubility (in water): Soluble

Specific Gravity/Density: Not available.

10. STABILITY AND REACTIVITY:

Chemical Stability: Stable under ordinary conditions of use and storage.

Conditions to Avoid: Dust generation. Exposure to air or moisture over prolonged periods.

Incompatibilities with Other Material: Strong oxidizing agents.

Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, carbon dioxide.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION:

RTECS#: CAS# 3618-43-7 unlisted.

LD50/LC50: No information found.

Carcinogenicity: CAS# 3618-43-7: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology: No data available.

Teratogenicity: No information available.

Reproductive Effects: No information available.

Neurotoxicity: No information available.

Mutagenicity: No information available.

Other Studies: No data 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 40 CFR 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# 3618-43-7 is listed on the TSCA inventory. Research & Development use only!

Health and Safety Reporting List: None of the chemicals are on the Health and Safety Reporting List.

Chemical Test Rules: None of the chemical 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 product have a SNUR under TSCA.

SARA

Section 302 (RQ) and 302 (TPQ): None of the chemicals in this 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, Priority Pollutants, or Toxic Pollutants under the CWA.

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

State: CAS# 3618-43-7 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 eyes, skin, and clothing.

WGK (Water Danger/Protection): CAS# 3618-43-7: No information available.

Canada DSL/NDSL List: CAS# 3618-43-7 is on Canada's DSL List.

Canada WHMIS: This product has a classification of "Not Controlled".

Canadian Ingredient Disclosure List CAS# 3618-43-7 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

16. DISCLAIMER INFORMATION:

DISCLAIMER

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