



UNISOURCE CHEMICALS PRIVATE LIMITED

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SPADNS

Material Safety Data Sheet

1. PRODUCT IDENTIFICATION:

Synonyms: 4,5-Dihydroxy-3-(4-sulfophenylazo)-2,7-naphthalenedisulfonic acid trisodium salt; SPADNS; p-Sulfophenylazochromotropic acid trisodium salt

Molecular Weight: 570.42

Formula CAS No: 23647-14-5

Molecular Formula: C₁₆H₉N₂Na₃O₁₁S₃

2. COMPOSITION, INFORMATION ON INGREDIENTS:

<u>Chemical Name</u>	<u>CAS No</u>	<u>Percent</u>	<u>Hazardous</u>
SPADNS	23647-14-5	~100%	No

3. HAZARDS IDENTIFICATION:

Emergency Overview

Appearance: Red to dark brown powder. **Warning!** Causes eye and skin irritation. May cause digestive tract irritation. May cause respiratory tract irritation.

Target Organs: No data found.

Potential Health Effects

Eyes: Causes eye irritation. May cause chemical conjunctivitis.

Skin: Causes skin irritation.

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

Inhalation: Causes respiratory tract irritation. Can produce delayed pulmonary edema.

Chronic: Prolonged or repeated skin contact may cause dermatitis. Effects may be delayed.

4. FIRST AID MEASURES:

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

Skin: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical aid if irritation develops or persists.

Ingestion: **Never** give anything by mouth to an unconscious person. **Do NOT** induce vomiting.

If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

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. FIREFIGHTING 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: Use agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Flash Point: Not applicable.

Auto-ignition Temperature: Not applicable.

Explosion Limits, Lower/Upper: Not available.

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

6. ACCIDENTAL RELEASE MEASURES:

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

Spills/Leaks: Clean up spills immediately, observing precautions in the Protective Equipment section.

Sweep up or absorb material, then place into a suitable, clean, dry container for disposal.

Provide ventilation.

7. HANDLING AND STORAGE:

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation.

Storage: Keep container tightly closed when not in use. 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: 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 PELs</u>
SPADNS	None listed	None listed	None listed

OSHA Vacated PELs: SPADNS: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or safety goggles as described by OSHA's eye and face

protection regulations in 29CFR 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 whenever workplace conditions warrant a respirators.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Powder

Appearance: Red to dark brown.

pH: Not available

Odor: No information found.

Solubility: Not available.

Viscosity: Not available.

Boiling Point: No information found.

Freezing/Melting Point: No information found.

Specific Gravity: No information found.

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

10. STABILITY AND REACTIVITY:

Chemical Stability: Stable under normal temperature and pressures.
Conditions to Avoid: Incompatible materials, excess heat, strong oxidants.
Incompatibilities with Other Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Nitrogen oxides, carbon monoxides, oxides of sulfur, carbon dioxide, nitrogen.
Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION:

RTECS#: CAS# 23647-14-5 unlisted.
LD50/LC50: Not available.
Carcinogenicity: CAS# 23647-14-5: 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 available.
Environmental Toxicity: 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 waste regulations to ensure complete and accurate classification.

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

14. TRANSPORT INFORMATION:

No information available.

15. REGULATORY INFORMATION:

US FEDERAL

TSCA: CAS# 23647-14-5 is listed on the TSCA inventory.

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

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

Section 12b: None of the chemicals in this material 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 (TPQ): None of the chemicals in this product have an RQ or a TPQ.

Section 313: No chemicals are reportable under Section 313.

Clean Water Act: This material does not contain any hazardous air pollutants. This material does not contain

any Class 1 Ozone Depletors. This material does not contain any Class 2 Ozone Depletors.

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 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 material are considered highly hazardous by OSHA.

State: CAS# 23647-14-5 is not present on any state lists from CA, PA, MA, MN, FL, or NJ.

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

EUROPEAN / INTERNATIONAL REGULATIONS

European Labeling in Accordance with EC Directives

Hazard Symbols:

XI

Risk Phrases:

R 36/37/38 Irritating to eyes, respiratory system, and skin.

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection):

CAS# 23647-14-5: No information available.

Canada DSL/NDSL List: CAS# 23647-14-5 is listed on Canada's DSL List.

Canada WHMIS: This product has a WHMIS classification of D2B.

Canadian Ingredient Disclosure List

Exposure Limits

16. DISCLAIMER INFORMATION:

DISCLAIMER:

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