

1. Product and Company Identification**Product Identifier**

Product Name SupreDye™ Enhancer
Product Number 021001

Company Identification

Advancedseq LLC
6654 Owens Drive
Pleasanton, CA 94588

Telephone

+1 818-639-4362

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

2. Hazards Identification**Emergency Overview****Warning!**

Irritating to eyes, respiratory system and skin
Harmful by inhalation and if swallowed.

Potential Health Effects:

Eyes: May cause eye irritation.

Skin: May cause skin irritation.

Inhalation: May be harmful by inhalation.

Ingestion: May be harmful if swallowed.

Physical and Chemical Hazards: this information is not available.

Chronic Exposure: Prolonged skin contact may defat the skin and produce dermatitis.

3. Composition/Information on Ingredients

Chemical Name	CAS-No	Weight %
Tris	77-86-1	1-10%
Glycerol	56-81-5	10-30%

4. First Aid Measures

Skin Contact: Rinse with plenty of water and seek medical advice. Remove and wash contaminated clothing before re-use.

Eye Contact: Immediately flush eyes for at least 15 minutes. Get medical attention.

Ingestion: If swallowed, call a poison control center or doctor immediately.

Inhalation: Remove to fresh air immediately. Get medical attention immediately if not breathing, give artificial respiration.

5. Fire-fighting Measures

Suitable extinguishing media: Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.

Hazardous decomposition products: Carbon oxides, nitrogen oxides (NO_x)

Special protective equipment for firefighters: Wear self-contained breathing apparatus for fire fighting if necessary. Use personal protective equipment

6. Accidental Release Measures

Personal Precautions:

Ensure adequate ventilation.

Avoid contact with skin, eyes and clothing.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Environmental Precautions

Should not be released into the environment.

Prevent product from entering drains.

Methods for Cleaning up:

Clean contaminated floors and objects thoroughly while observing environmental regulations. Ensure adequate ventilation

7. Handling and Storage

Precautions for Safe Handling:

Use only in area provided with appropriate exhaust ventilation.

Wear personal protective equipment.

Storage Conditions:

Protect against physical damage. Isolate from incompatible substances. Store in original container. See product label for specific storage requirements.

8. Exposure Controls/Personal Protection

Exposure Limits

We are not aware of any national exposure limit.

Personal Protective Equipment

Eye Protection: Chemical resistant goggles must be worn.

Ensure that eyewash stations and safety showers are close to the workstation location.

Hand Protection: Wear suitable gloves.

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific location conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Respiratory Protection: Avoid breathing vapor.

For unknown concentrations or Immediately Dangerous to Life or Health (IDLH), use a full-facepiece positive pressure air supplied respirator.

Skin Protection: Wear suitable protective clothing.

Engineering Measures: Handle only in a place equipped with local exhaust (or other appropriate exhaust)

9. Physical and Chemical Properties

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Form: liquid
Color: No information available
Odor: No information available
Odor Threshold: No information available
PH: No information available
Boiling Point/Range: No information available
Melting Point/range: No information available
Vapor Pressure: No information available
Flash Point: No information available
Explosion Limits: No information available
Density: No information available.
Percent Volatile: soluble
Volatile Organic Compounds (VOC) Content: No information available

10. Stability and Reactivity

Conditions to Avoid: Keep away from open flames, hot surfaces and sources of ignition.

Materials to Avoid: Strong acids and oxidizing agents, Acetic anhydride, Isocyanates, Ammonia, Bases, Copper, Aluminium.

Hazardous Decomposition Products: Carbon oxides, Nitrogen oxides (NO_x)

11. Toxicological information

Hazardous Components: TRIS Base.

Acute Oral Toxicity: Oral LD50 rat 5,900 mg/kg

Hazardous Components: Glycerol

Acute Oral Toxicity: LD50 rat 12,600 mg/kg

Acute Inhalation Toxicity: LC50 rat 1 h > 570 mg/kg

Acute Dermal Toxicity: LD50 rat > 21,900 mg/kg

Further Information

The product itself has not been tested.

12. Ecological information

We have no quantitative data concerning the ecological effects of this product.

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

13. Disposal considerations

Environmental Precautions: Should not be released into the environment. Prevent product from entering drains.

Disposal Methods: Dispose of in accordance with local regulation.

General Advice: Disposal Considerations.

The product has to be disposed of as laboratory chemical in accordance with local regulations.

14. Transport information

DOT

DOT: ROAD TRANSPORT – Not dangerous goods

IATA-DGR: Not dangerous goods

IMDG: Not dangerous goods

15. Regulatory information

US Regulations

40 CFR § 302.4 Designation of hazardous substances (SARA 302).

Non-hazardous substance

40 CFR § 355 Appendices A and B - The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (SARA304).

Non-hazardous substance

40 CFR § 372.65 Toxic Chemical Release Reporting (SARA 313).

Non-hazardous substance

State Regulation

U.S.- New Jersey - Worker and Community Right to Know Act (N.J.S.A. 34:5A-1) No components regulated under the New Jersey Worker and Community Right-to-Know Act.

U.S.- Massachusetts - General Law Chapter 111F (MGL c 111F) - Hazardous Substances Disclosure by Employers (a.k.a. Right to Know Law)

No components regulated under the Massachusetts Hazardous Substances Disclosure by Employers Law.

U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances

No components found on the California Director's List of Hazardous Substances.

U.S. - California - 8 CCR Section 5200-5220 - Specifically Regulated Carcinogens

No components found on the California Specifically Regulated Carcinogens List.

U.S. - California - 8 CCR Section 5203 Carcinogens

No components found on the California Section 5203 Carcinogens List.

U.S. - California - 8 CCR Section 5209 Carcinogens

No components found on the California Section 5209 Carcinogens List.

California Prop. 65

Not Regulated

National Inventory Status - United States of America

TOXIC SUBSTANCES CONTROL ACT (TSCA) 8 (B) INVENTORY

All the components of this substance are listed on or are exempt from the inventory. For purposes of 40 CFR 720.36, this product is for Research and Development (R&D) Use Only

**TOXIC SUBSTANCES CONTROL ACT, SECTION 12(B) EXPORT NOTIFICATION
40CFR 707, SUBPART D**

Not Required.

WHMIS Hazard Class

Non-controlled

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

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16. Other information

Disclaimer: This MSDS has been prepared using information from sources considered technically reliable. It should not be relied upon as a product specification. The company makes no warranty of any kind, expressed or implied, concerning the safe use of this material in your process or in combination with other chemical substances. Every user of the product is responsible for evaluating its own processes and conditions of use and selecting appropriate protective measures for employee exposure.

End of Safety Data Sheet