

SAFETY DATA SHEET

1. Product and Company Identification

Product Identifier

Product name SupreDye v1.1, v3.1 Cycle Sequencing Mix
Product number 060001, 060002, 060008, 060020, 060040, 060200,
063001, 063002, 063008, 063020, 063040, 063200

Company Identification

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

2. Hazards Identification

GHS - Classification

Signal Word not hazardous

Health Hazard not Hazardous

Physical Hazards not Hazardous

Principle Routes of Exposure/ 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

Specific Effects

Carcinogenic Effects: none

Mutagenic Effects: none

Reproductive Toxicity: none

Sensitization: none

Target Organ Effects: No known effects under normal use conditions

HMIS

Health	0
Flammability	0
Reactivity	0

3. Composition/Information on Ingredients

Chemical Name	CAS-No	EINECS-No	Weight %
Glycerol	56-81-5	200-289-5	2-20%
TRIS Base	77-86-1	201-064-4	1-5%

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

4. First Aid Measures

Skin Contact: Rinse with plenty of water. If symptoms arise, call a physician.

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

Ingestion: Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.

Inhalation: Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.

Notes to Physician: Treat symptomatically.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.

Special Protective Equipment for Firefighters: Wear self-contained breathing apparatus and protective suit.

6. Accidental Release Measures

Personal Precautions: Use personal protective equipment.

Methods for Cleaning up: Soak up with inert absorbent material.

Environmental Precautions

Prevent further leakage or spillage if safe to do so.

See Section 12 for additional information

7. Handling and Storage

Handling: Always wear recommended Personal Protective Equipment. No special handling advice required.

Storage: Keep in a dry, cool and well-ventilated place.

8. Exposure Controls/Personal Protection

Exposure Limits

Chemical Name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Glycerol	15 mg/m ³ 5 mg/m ³	none	10 mg/m ³	none
TRIS Base	none	none	none	none

Engineering Measures: Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Respiratory Protection: In case of insufficient ventilation wear suitable respiratory equipment.

Hand Protection: Impervious gloves.

Eye Protection: Safety glasses with side-shields.

Skin and Body Protection: Lightweight protective clothing.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls

Prevent product from entering drains.

9. Physical and Chemical Properties

General Information

Form: liquid

Appearance: No information available

Odor: No information available

Boiling Point/Range: No information available

Melting Point/Range: No information available

Flash Point: No information available

Auto Ignition Temperature: No information available

Oxidizing Properties: No information available.

Water Solubility: soluble

10. Stability and Reactivity

Stability: Stable under normal conditions.

Materials to Avoid: No dangerous reaction known under conditions of normal use..

Hazardous Decomposition Products: None under normal use

Polymerization: Hazardous polymerization does not occur.

11. Toxicological Information

Acute Toxicity

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
Glycerol	= 12600 mg/kg Oral	no data available	no data available
TRIS Base	= 5900 mg/kg (Rat)	no data available	no data available

Principle Routes of Exposure/Potential Health Effects

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Inhalation: May be harmful by inhalation.

Ingestion: May be harmful if swallowed

Carcinogenic effects: none

Mutagenic effects: none

Reproductive toxicity: none

Sensitization: none

Target Organ Effects: No known effects under normal use conditions.

12. Ecological Information

Ecotoxicity Effects: No further relevant information available

Mobility: No further relevant information available

Biodegradation: Inherently biodegradable

Bioaccumulation: Does not bioaccumulate.

13. Disposal Considerations

Dispose of in accordance with local regulations.

14. Transport information

IATA

Proper Shipping Name: Not classified as dangerous in the meaning of transport regulations

Hazard Class: none

Subsidiary Class: none

Packing Group: none

UN-No: none

15. Regulatory Information

Component	TSCA
Glycero 56-81-5 (10-30)	Listed
TRIS Base 77-86-1 (1-5)	Listed

U.S. Federal Regulations

SARA 313

This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs.

U.S. State Regulations

Chemical Name	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK	Illinois - RTK	Rhode Island - RTK
Glycerol	Listed	-	Listed	-	Listed
TRIS Base	-	-	-	-	-

California Proposition 65

This product does not contain chemicals listed under Proposition 65

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

16. Other information

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

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS MSDS DOES NOT CONSTITUTE A WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PUPOSE.

End of Safety Data Sheet