



SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

Product Identification:

D44-000; D44-1711; D44-010

2. COMPOSITIONS AND INFORMATION ON INGREDIENTS

Chemical Name	CAS#	% (w/v)	Exposure Limits In Air-OSHA			
			PEL	STEL	IDLH	OTHER
			mg/m3	mg/m3	mg/m3	mg/m3
SureLight™ 488 carboxylic acid, succinimidyl ester		1	N/A	N/A	N/A	N/A

NE=Not Established

Chemical Abstracts Registry Number & Name: None assigned

Physical Characteristics:

3. HAZARD IDENTIFICATION

Potential Hazard: Hazardous reaction has not been reported

Special Precautions:

Symptoms of Over-Exposure by Route of Exposure: No information available

4. FIRST AID MEASURES

Skin Exposure: Basic hygiene should prevent any problems. If contact with these products leads to reddening, inflammation, or irritation, flush exposed area with running water and consult with a physician.

Eye Exposure: If these products enter the eyes, flush the eyes with gently running water for at least 15 minutes. If inflammation occurs, consult with a physician.

Inhalation: Vapors of these products are likely to be only water vapors, so no adverse health effects are expected if vapors are inhaled.

Ingestion: These products are for *in vitro* research use only.

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5. FIRE-FIGHTING MEASURES

Unusual Fire and Explosion Hazards: If involved in a fire, a pressure increase will develop in the storage container and a rupture might occur. Also, these products may decompose and produce irritating fumes or gasses.

Flash Point: N/A

Autoignition Temperature: N/A

Flammable Limits (In Air by Volume, %): N/A

Fire-Extinguishing Materials: Use suppression methods for surrounding materials.

6. ACCIDENTAL RELEASE MEASURES

Spill and Leak Response: For small releases, take basic hygiene precautions. Lightweight gloves, lab coat, and eye protection should be worn. Absorb spilled material with paper towels. Wash contaminated area with soap and water, absorb with paper towels, and rinse with water. Trained personnel using pre-planned procedures should respond to large releases that are not immediately controlled. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel.

In the event of a non-incident, minimum release, personal protective equipment should be: **Level D:** lab gloves, chemical resistant apron, boots, and splash goggles. Respiratory protection should not be necessary. Absorb spilled liquid with poly pads or other suitable materials. Decontaminate the spill area thoroughly. Place all spill residues in a suitable container and seal. Dispose of in accordance with Federal, State, and local hazardous waste disposal regulations.

7. HANDLING and STORAGE

Work Practices and Hygiene Practices: As with all chemicals, avoid getting these products **on you** or **in you**. Wash hands after handling these products. Avoid splashing or spraying these products. Do not eat or drink while handling these products.

Storage and Handling Practices: All employees who handle these materials should be trained to handle them safely. Avoid breathing vapors or mists generated by these products. Ensure that containers of these products are properly labeled. Open containers slowly on a stable surface. Store vials as directed in the Product Specifications sheets. Keep vials tightly closed under sterile conditions when not in use. Prior to use, read instructions provided with these products.

Protective Practices during Maintenance of Contaminated Equipment: Follow practices indicated in Section 6 (Accidental Release Measures). Make certain that application equipment is locked and tagged-out safely, as applicable. Always use these products in areas where adequate ventilation is provided. Decontaminate equipment using soapy water before maintenance begins. Collect all rinses and dispose of according to applicable Federal, State, and local procedures.

8. EXPOSURE CONTROLS-PERSONAL PROTECTION

Ventilation and Engineering Controls: Use a mechanical fan or vent area to outside, if necessary. Eye-wash stations should be available near location where these products are used.

Respiratory Protection: Respiratory protection is not necessary when using these products. Maintain airborne contaminant concentration below limits listed in Section 2 (Composition and Information on Ingredients). If respiratory protection is needed, use only protection authorized in Section 29 CFR 1910.134 or applicable State

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regulations. Use supplied air respiration protection if oxygen levels are below 19.5% or are unknown.

Eye Protection: Splash goggles or safety glasses.

Hand Protection: Wear gloves for routine industrial use.

Body Protection: Use body protection, such as a lab coat, which is appropriate for the task.

9. PHYSICAL and CHEMICAL PROPERTIES

Relative Vapor Density (Air=1): N/A

Specific Gravity (Water=1): N/A

Solubility in Water: Soluble

Appearance and Color: Clear, yellow solution

How To Detect This Substance: As water, there are no unusual properties associated with these solutions.

Evaporation Rate: Similar to water

Freezing/melting Point: N/A

Boiling Point: N/A

pH:

10. STABILITY and REACTIVITY

Stability: Stable

Decomposition Products: N/A

Hazardous Polymerization: Will not occur.

Conditions To Avoid: Any conditions which are incompatible with water or other incompatible chemicals.

11. TOXICOLOGICAL INFORMATION

Toxicity Data:

Suspected Cancer Agent: Conclusive but not sufficient for classification

Irritancy Of Products: Conclusive but not sufficient for classification

Sensitization To The Products: Conclusive but not sufficient for classification

Reproductive Toxicity: Conclusive but not sufficient for classification

Mutagenicity: Conclusive but not sufficient for classification

Embryo Toxicity: Conclusive but not sufficient for classification

Teratogenicity: Conclusive but not sufficient for classification

Medical Condition Aggravated by Exposure: No information available

Recommendation to Physician: No information available

Biological Exposure Indices (BEI's): Currently, there are no Biological Exposure Indices applicable to the components of these products.

12. ECOLOGICAL INFORMATION

Environmental Stability: No Data available

Effect of Products on Plants and Animals: No Data available

13. DISPOSAL CONSIDERATIONS

Preparing Wastes For Disposal: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if altered by use, may be disposed of by treatment at a permitted facility or as

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advised by your local hazardous waste regulatory authority.

EPA Waste Number: Not applicable to these products.

14. TRANSPORTATION INFORMATION

This material is not hazardous as defined by 49 CFR 172.101 by the U.S. Department of Transportation.

This material is not considered as Dangerous Goods.

Proper Shipping Name: N/A

Hazardous Class Number and Description: N/A

UN Identification Number: N/A

Packing Group: N/A

15. REGULATORY INFORMATION

SARA Reporting Requirements: These products are not subject to Section 302, 304, and 313 reporting requirements under the Superfund Amendment and Reauthorization Act.

Chemical SARA 302, SARA 304, SARA 313

SARA Threshold Planning Quantity: N/A

TSCA Inventory Status: N/A

CERCLA Reportable Quantity (RQ): N/A

Other Federal Regulations: N/A

16. OTHER INFORMATION

Prepared By:

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