

SEI Chemical

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Product: **SEI EFFLORESCENCE CLEANER**

Product ID No.: AR-105

Material Safety Data Sheet

This Material Safety Data Sheet (MSDS) contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community Right To Know emergency response reporting requirements under SARA TITLE III and many other laws. If you resell this product, this MSDS must be given to the buyer or the information incorporated in your MSDS.

This MSDS complies with 29 CFR 1910.1200 (The Hazard Communication Standard)

SECTION 2 PRODUCT COMPONENTS

INGREDIENTS	CAS#.	WT.%	EXPOSURE LIMITS .
Tetrasodium EDTA	64-02-8	10-20	None Established
Nonionic surfactant - alkylphenol modified ethoxylate	9016-45-9	1-5	None Established
Trisodium Nitritotriacetate hybrid	5064-31-3	<1	None Established

SECTION 3: HAZARDS IDENTIFICATION

This product is a clear to yellow liquid with a slight odor.

HEALTH HAZARDS:

INHALATION: Low toxicity over exposure may cause irritation.

SKIN CONTACT: Low toxicity over exposure may cause irritation

EYE CONTACT: Low toxicity over exposure may cause irritation

INGESTION: Swallowing small amounts may not be harmful. Large amounts can cause gastrointestinal irritation.

CHRONIC EFFECTS OF OVEREXPOSURE: Prolonged or repeated exposure may cause skin irritation.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with chronic respiratory or skin diseases may be at increased risk from exposure to this material.

SECTION 4 EMERGENCY and FIRST AID PROCEDURES

EYE CONTACT: flush eye with water for at least 15 minutes while lifting the upper and lower lids.

SKIN CONTACT: Wash with soap and water. Remove contaminated clothing and laundry before reuse.

INHALATION: Remove to fresh air.

INGESTION: Give 1-2 glasses of water to dilute. Do not induce vomiting unless directed to by medical personnel.

SECTION 5 FIRE and EXPLOSION HAZARD DATA

FLASH POINT: Non-flammable FLAMMABLE LIMITS: (vol % in air) LEL – N/A UEL – N/A

AUTOIGNITION TEMPERATURE: Not applicable EXTINGUISHING MEDIA: Use any media appropriate for surrounding fire.

SPECIAL FIREFIGHTING PROCEDURES: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Not considered a fire or an explosion hazard.

SECTION 6 ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear protective clothing and equipment to prevent contact. Dike spill and collect into closable containers for disposal with an inert absorbent. Prevent spill from entering sewers and waterways. Wash spill area with water.

SECTION 7 HANDLING and STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep container tightly closed. Store in a cool, well ventilated area. Store only in stainless steel, polyethylene or in plastic lined containers.

Use with adequate ventilation. Remove and launder contaminated clothing before re-use. Wash thoroughly after handling. Empty containers retain product residues. Follow all MSDS precautions in handling empty containers.

SECTION 8 EXPOSURE CONTROLS and PERSONAL PROTECTION

RESPIRATORY PROTECTION: None needed under normal use conditions with adequate ventilation. If the TLV is exceeded a NIOSH approved particulate respirator may be used. For higher concentrations, a NIOSH approved supplied air respirator (with escape bottle if required) or self-contained breathing apparatus may be required. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.

VENTILATION: Good general room ventilation should be adequate under normal conditions.

GLOVES: Optional

PROTECTIVE CLOTHING: Optional - Clothing required.

EYE PROTECTION: safety glasses with sideshields, chemical goggles and/or faceshield to prevent eye contact is recommended.

OTHER PROTECTIVE EQUIPMENT: For large operations a safety shower and an eye wash facility should be available.

SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

BOILING POINT (@ 760 mmHg): 224°F MELTING POINT: 7.7°F

SPECIFIC GRAVITY (H₂O=1): Approximately 1.18 VAPOR PRESSURE: 760 mmHg @ 107°C

VOLATILE: Not determined VAPOR DENSITY (AIR=1): Not available

EVAPORATION RATE: Same as Water SOLUBILITY IN WATER: Miscible

SECTION 9 PHYSICAL and CHEMICAL PROPERTIES (continued)

pH: Not determined COEFFICIENT OF WATER/OIL: Not available

VOC Content: 0% APPEARANCE AND ODOR: A clear to yellow liquid with a slight odor.

SECTION 10 STABILITY and REACTIVITY

STABILITY: This material is stable.

INCOMPATIBILITY: Avoid oxidizing agents. Contact with aluminum and zinc may release gases.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield carbon dioxide, carbon monoxide and nitrogen oxides.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

TOXICOLOGY DATA: This product has not been tested as a whole. Toxicity values for the components are:

	<u>LD50</u>	<u>LC50</u>
Tetrasodium EDTA	>2,000 mg/kg oral rat	No data available

Nonionic Surfactant	3.31 g/kg oral rat	No data available
	>2.0 g/kg skin rabbit	
Trisodium Nitritotriacetate	1,100 mg/kg oral rat	No data available

None of the components are known to cause sensitization in animals or humans.

SECTION 12: ECOLOGICAL INFORMATION

Tetrasodium EDTA: The LC50/96 hr values for Bluefish is 1,030 mg/L.

SECTION 13: DISPOSAL INFORMATION

WASTE DISPOSAL METHOD: Dispose in accordance with all local, state and federal regulations.

SECTION 14: TRANSPORTATION INFORMATION

DOT SHIPPING NAME: Not Regulated

DOT HAZARD CLASSIFICATION: N/A

DOT LABELS REQUIRED (49CFR172.101): None

UN NUMBER: N/A

SECTION 15: REGULATORY INFORMATION

OSHA HAZARD CLASSIFICATION: Irritant

EPA SARA 311 HAZARD CLASSIFICATION: Acute health

EPA SARA 313: This product contains no chemicals that are regulated under SARA Title III, section 313.

CERCLA Hazardous Substances (Section 103)/RQ: This product is not subject to CERCLA reporting requirements as it is sold. Refer to CERCLA regulations to determine if the used product may be reportable. Many states have more stringent release reporting requirements. Report spills as required under federal, state and local regulations.

This MSDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the MSDS contains all of the information required by the CPR.

TOXIC SUBSTANCES CONTROL ACT: All of the components of this product are listed on the TSCA inventory.

CANADIAN ENVIRONMENTAL PROTECTION ACT: All of the components of this product are listed on the Canadian Domestic Substances List (DSL).

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES: All of the components of this product are listed on the AICS Inventory.

SECTION 16: OTHER INFORMATION

NFPA Rating: Health: 1 Fire: 0 Reactivity: 0

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DATE PREPARED: 12/16/2005 SUPERSEDES: 07/26/2005

DISCLAIMER

The information contained herein has been compiled from sources considered to be dependable and is accurate to the best of SEI Chemical. The information relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. Customers are encouraged to conduct their own tests. Before using the product, read its label. SEI Chemical assumes no responsibility for injury to recipient or third party persons or for any damage to any property as a result of use or misuse of the controlled product and recipient assumes all such risks. This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of the SEI Chemical. The data on this sheet relates only to the specific material designated herein. SEI Chemical assumes no legal responsibility for use or reliance upon this data.