

Product: 9.FL.PTSALO SPECTRA TRACE SH-L

SECTION 1: Identification of the substance/mixture and of the company/undertaking
Product identifiers:

 Product Form: Substance
 Product Name: **SPECTRA TRACE SH-L**
 Product Number: **9.FL.PTSALO**
 Color Index Name: FLUORESCENT
 C.I. No: None Known.
 CAS number: 59572-10-0
 Formula: 1,3,6,8-PYRENE TETRA SULF AC S
 Synonyms:

Intended Use of the Product

Water treatment and tracing, fluorescent tracing

Name, Address, and Telephone of the Responsible Party

Spectra Colors Corporation	Telephone	800-527-8588 (USA), 201-997-0606 (Int'l)
25 Rizzolo Road	Fax number	201-997-0504
Kearny, NJ 07032 USA	Email	dyes@spectracolors.com

EMERGENCY TELEPHONE NUMBER

 Emergency phone number: Chemtrec 800-424-9300 (USA)
 +1 703-527-3887 (Outside USA)

SECTION 2: Hazards Identification
Classification of the substance or mixture
GHS-US Classification

Acute toxicity – oral (Cat. 5)

Label Elements
GHS Labelling:

Hazard Pictograms (GHS-US): No Symbol

Signal Word (GHS-US): Warning

Hazard Statements (GHS-US)

H303 – May be harmful if swallowed

Precautionary Statements (GHS-US)

P312 – IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

P261 - Avoid breathing dust/fumes/gas/mist/vapors/spray

Other Hazards: No data available

Unknown acute toxicity (GHS US): No data available

SECTION 3: Composition/Information on Ingredients

SAFETY DATA SHEET (SDS)

According to OSHA HazCom Standard 29 CFR 1910.1200 (g), Rev 2012 and GHS Rev 03
Revision No. 0, Revision Date: 25-Mar-15
Printing Date: 11-Nov-16

Product: 9.FL.PTSALO

SPECTRA TRACE SH-L

Description of substance:

Name	Product Identifier CAS No.	Weight%	GHS-US Classification
FLUORESCENT DYE	59572-10-0	8 – 20%	Acute toxicity – oral (Cat. 5)

Hazardous ingredients:

No hazardous components found under applicable regulations.

SECTION 4: First Aid Measures

Description of first aid measures

First Aid Measures General: Remove contaminated clothing

First-aid measures after inhalation: Remove to fresh air. If breathing is difficult, give oxygen and get immediate medical attention.

First-aid measures after skin contact: Wash affected area thoroughly with soap and water. If any irritation develops, consult a Physician.

First-aid measures after eye contact: Flush with plenty of cool water for at least 15 minutes, holding eyelids apart for thorough irrigation. Get immediate medical attention.

First-aid measures after ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. If swallowed seek medical advice immediately.

Most important symptoms and effects, both acute and delayed:

THIS PRODUCT IS NOT HAZARDOUS AS DEFINED BY HAZARDOUS COMMUNICATION STANDARD. HOWEVER, AS WITH ALL CHEMICAL; HANDLE WITH CARE AVOID EYE & SKIN CONTACT, AVOID INHALATION OF DUSTS OR VAPORS. WASH THOROUGHLY AFTER HANDLING. KEEP CONTAINERS CLOSED.

Indication of any immediate medical attention and special treatment needed:

No additional information

SECTION 5: Firefighting Measures

Extinguishing media

Suitable Extinguishing Media: WATER, DRY CHEMICAL, CARBON DIOXIDE, FOAM

Unsuitable Extinguishing Media:

Special hazards arising from the substance or mixture: NONE EXPECTED. FIREFIGHTERS SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS TO GUARD AGAINST POTENTIALLY TOXIC AND IRRITATING FUMES. AVOID DUSTING. DUST CAN FORM EXPLOSIVE MIXTURES WITH AIR.

Fire Hazard: N/A

Explosion Hazard: N/A

Reactivity: N/A

Advice for firefighters

Firefighting Instructions: WEAR SELF-CONTAINED BREATHING APPARATUS.

Protection during firefighting: Wear fully protective suit.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

General Measures: Remove persons from danger area.

For non-emergency personnel

Protective equipment:

Emergency procedures: No additional information

For emergency responders

Protective equipment: See Section 8 for information on personal protection equipment.

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Emergency procedures: No additional information

Environmental precautions: Avoid any uncontrolled release of material. Do not empty into drains or the aquatic environment.

Methods and materials for containment and cleaning up

For containment: Where spills are possible, a comprehensive spill response plan should be developed and implemented. Steps to be taken if material is released or spilled are as follows: Utilize recommended protective clothing and equipment. Spills should be swept by using an absorbent dust control product and placed in containers.

For cleaning up: Spill area can be washed with water. Collect water for approved disposal. In the event of an uncontrolled release of this material, the user should determine if the release is reportable under applicable laws and regulations.

Reference to other sections

No additional information available.

SECTION 7: Handling and storage

Precautions for safe handling

Additional hazards when processed: N/A

Precautions for safe handling: LIQUID - DO NOT FREEZE. Handle with care. Wear APPROPRIATE PROTECTION: GOGGLES, GLOVES and WORK CLOTHING. Over exposure may CAUSE IRRITATION. AVOID BREATHING FUMES. KEEP IN WARM AREA. WASH AFTER HANDLING. * * STIR BEFORE USING. * *

Hygiene measures: N/A

Conditions for safe storage, including any incompatibilities

Technical measures: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

Storage conditions: EYES: Flush with large amounts of water. SKIN: Shower with soap and water. INHALATION: Remove to fresh air. ALWAYS GET MEDICAL ATTENTION IF IRRITATION DEVELOPS. INGESTION: Get immediate medical attention.

Incompatible products: Keep away from heat. Keep away from sources of ignition.

Incompatible materials:

Storage area: Keep away from strong oxidizing and reducing agents

Special rules on packaging: None

Specific end use(s): Water treatment and tracing, fluorescent tracing

SECTION 8: Exposure controls / personal protection

Control parameters

Ingredients with limit values that require monitoring at the workplace: Not required.

Exposure controls

Appropriate engineering controls:

The usual precautionary measures are to be adhered to when handling chemicals.

Personal protective equipment:



Hand protection: Wear protective gloves

Eye protection: Tightly sealed safety goggles or full face shield

Skin and body protection: Wear suitable protective clothing

Respiratory protection: Dust Mask

Thermal hazard protection:

Other information: No additional information

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SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	
Physical state, appearance, color, odor	dark brown to green liquid / mild odor
Odor Threshold:	No data
pH:	9.5 +/- 1.5 (1% water solution)
Melting Point/Freezing Point:	2.00
Initial boiling point/boiling range:	100.00
Flashpoint:	NORMALLY STABLE, NOT COMBUSTIBLE NOR FLAMMABLE.
Evaporation rate:	No data
Flammability (solid, gas):	NORMALLY STABLE, NOT COMBUSTIBLE NOR FLAMMABLE.
Upper explosive limits:	N/A
Lower explosive limits:	N/A
Vapor pressure:	N/A
Vapor density:	N/A
Relative density:	n/a
Solubility in water:	Yes.
Partition coefficient n-octanol/water	No data
Auto-ignition temperature	No data
Decomposition temperature	No data
Viscosity, dynamic	No data
Viscosity, cinematic	No data
Explosive properties	N/A
Oxidizing properties	N/A

Other information

No additional information available

SECTION 10: Stability and reactivity

Reactivity: No data

Chemical stability: Stable

Possibility of hazardous reactions

No additional information available

Conditions to avoid: OXIDIZING & REDUCING AGENTS MAY DESTROY COLOR.

Incompatible materials: OXIDIZING & REDUCING AGENTS MAY DESTROY COLOR.

Hazardous decomposition products: CO, CO₂, OXIDES OF NITROGEN AND OTHER POTENTIALLY TOXIC FUMES.

SECTION 11: Toxicological information

Information on toxicological effects

Oral (Animal): LD50: Greater than 10,000 mg/kg toxic to Rat (100% PTSA)

Dermal (animal): NO DATA AVAILABLE.

Effects to eyes (Animal): NO DATA AVAILABLE.

Skin irritation (Animal): Slight irritant (Rabbit) (100% PTSA)

Skin corrosion/irritation: Not classified

Serious eye damage/irritation: Not classified

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

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Specific target organ toxicity (single exposure): Not classified
Aspiration hazard: Not classified
Symptoms/injuries after inhalation: None expected
Symptoms/injuries after eye contact: None expected
Symptoms/injuries after ingestion: Ingestion may cause gastrointestinal upset

SECTION 12: Ecological information

Toxicity:

NO DATA AVAILABLE.

Persistence and degradability:

The ultimate decomposition product of this material is CO₂, CO & oxides of sulfur. The degradation study at various time interval is not available. However, we can conclude as follows: The referred product is sodium salt and hence is very stable under normal conditions of temp. The product does not decompose over the years, so for 12 months it does not decompose. Under extreme conditions of very high temperatures, it would decompose initially to pyrene and sulfuric acid and thereafter to CO₂, CO and sulfur oxides.

Bioaccumulative potential: No Data Available

Mobility in soil: No Data Available

Other adverse effects: No additional information available

SECTION 13: Disposal considerations

Waste treatment methods

Regional legislation (waste): Dispose of only in an approved land-fill area or by controlled incineration in accordance with local and State regulations.

Waste disposal recommendations: Empty bags thoroughly. Carry out the proper recycling, re-usage or disposal. Please refer to the relevant EU regulations, in particular the guidelines/ decisions of the council regarding handling of wastes (e.g. 75/442/EEC, 91/689/EEC, 94/67/EC, 94/904/EC) as implemented in national regulations.

SECTION 14: Transport information

UN number: Not regulated

UN proper shipping name: Not regulated

Transport hazard class(es):

- **Department of Transportation (DOT):** Not hazardous for transportation
- **IMDG:** Not hazardous
- **IATA:** Not hazardous

Hazard labels (DOT)

Packing group (DOT): N/A

DOT Special provisions: N/A

Additional information

Overland transport: NONE

Transport by sea: NONE

Air transport: NONE

DOT Quantity Limitations Passenger Aircraft: No additional information

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DOT Quantity Limitations Cargo Aircraft: No additional information

SECTION 15: Regulatory information

US Federal regulations:

This substance is listed on United States TSCA (Toxic Substance Control Act) inventory.

US State regulations:

None

Other regulations

Chemical Identity	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	CHINA	KECL	PICCS	AICS
59572-10-0	X	X	-	-	-	-	-	-	-	-

TSCA Status: IN COMPLIANCE

E C Classification: (67/548/EEC – 88/379/EEC) n/a

EINECS Number:

REACH Classification:

R-phrases:

Additional Regulatory Information:

1,3,6,8-Pyrenetetrasulfonic acid, tetrasodium salt, 10% solution

C16H6O12S4Na4

Spectra Colors Corp. states that this product is considered to have a shelf life of 2 years, as long as the original seal is intact, the original label is still intact and legible, and the container is in good condition, being kept out of direct sunlight and has not been compromised. Keep all opened containers tightly sealed, in an area that is secure, clean, shaded and with ambient temperatures.

NMFC CLASS 180, SUBCLASS 30
LISTED ON AICS (AUSTRALIA)

SECTION 16: Other information

Indication of changes: N/A

Other information: N/A

GHS Full Text Phrases:

H303	May be harmful if swallowed
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NFPA Rating: N/A

HMIS Rating: Health: 1 Flammability: 0 Reactivity: 0 Personal Protection: D

SPECTRA COLORS CORP. makes every effort to assure that the information herewith enclosed in this transmission is accurate and current, to the best of our knowledge. Beyond the scope of these claims, Spectra Colors makes no promises as to the performance of our products in our customers finished applications; neither can we anticipate end-use characteristics. Likewise it is the end-user's responsibility to assure that Spectra Colors dye products are in compliance with all local, federal and global regulations regarding the storage, the use and the disposal of these same dye products. Spectra Colors Corp. provides these materials for informational purposes only and does not hereby make any express or implied warranty regarding merchantability, fitness for a particular purpose, regulatory compliance, or any other matter.