

1. PRODUCT AND COMPANY IDENTIFICATION**1.1 Product identifiers**

Product Name: **SPECTRA TRACE SH-P (PTSA)**
Turner Designs Part Numbers: 10-606, 10-607, 10-608, 10-609
Color Index FLUORESCENT
CAS number 59572-10-0
EC/EINECS

1.2 Relevant identified uses of the substance or mixture and uses advised against Water treatment and tracing, fluorescent tracing

1.3 Details of the supplier of the safety data sheet

Turner Designs Ph: 1-408-749-0994
1995 N. 1ST Street Ph: 1-877-316-8049
San Jose, CA 95112

1.4 EMERGENCY TELEPHONE NUMBER

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

2. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008 [CLP]

Classification according to 67/548/EEC or 1999/45/EC

2.2 GHS Label Elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

Hazard Pictograms



Signal Word: Warning

Hazard Statements:

H303	May be harmful if swallowed
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H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

Precautionary Statements

P304 + P312	Call a POISON CENTER/doctor/physician if you feel unwell
P261	Avoid breathing dust/fumes/gas/mist/vapors/spray
P264	Wash skin thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P280	Wear protective gloves / eye protection / face protection
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P501	Dispose of contents/container in accordance with local / regional / national / international regulations

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Substance Name:

	Weight%	CAS No.	EINECS No.	Molecular Wt
FLUORESCENT	100	59572-10-0		610.4

3.2 Mixtures

Not applicable

Description of Mixture:

Not applicable

4. FIRST AID MEASURES

4.1 Description of first aid measures

General information:

4.1.1 Following inhalation: Remove to fresh air. If breathing is difficult, give oxygen and get immediate medical attention.

4.1.4 Following skin contact: Wash affected area thoroughly with soap and water. If any irritation develops, consult a Physician.

4.1.2 Following eye contact: Flush with plenty of cool water for at least 15 minutes, holding eyelids apart for thorough irrigation. Get immediate medical attention.

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4.1.5 Following ingestion: Induce vomiting – seek immediate medical attention.**4.2 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.

4.3 Indication of any immediate medical attention and special treatment needed**5. FIREFIGHTING MEASURES****5.1 Extinguishing media:** WATER, DRY CHEMICAL, CARBON DIOXIDE, FOAM**5.2 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.**5.3 Advice for firefighters:** WEAR SELF-CONTAINED BREATHING APPARATUS.**5.4 Additional information**

No additional information available

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures:**

Avoid any uncontrolled release of material.

6.2 Environmental precautions: Do not empty into drains or the aquatic environment.**6.3 Methods and materials for containment and cleaning up:**

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. 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.

6.4 Reference to other sections

No additional information available.

7. HANDLING AND STORAGE

Product: SPECTRA TRACE SH-P (PTSA)

7.1 Precautions for safe handling: Handle with CARE. AVOID over exposure. Use NIOSH/OSHA APPROVED RESPIRATOR, WORK GLOVES and CLOTHING. WASH after handling. SENSITIVE INDIVIDUALS MAY EXPERIENCE RESPIRATORY ALLERGIES. MAY CAUSE SKIN IRRITATION. USE WITH LOCAL VENTILATION.

7.2 Conditions for safe storage, including any incompatibilities: EYES: Flush with large amounts of water. SKIN: Shower with soap & water. INHALATION: Remove to fresh air. ALWAYS GET MEDICAL ATTENTION IF IRRITATION DEVELOPS. INGESTION: Get immediate medical attention.

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No additional information available

8.2 Exposure controls

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

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

9.1.1 Appearance	
Color, Form and Odor:	YELLOW POWDER / NO ODOR
Odor Threshold:	N/A

9.1.2 Safety relevant basic data	
pH:	9.5 +/- 1.5
Melting Point/Freezing Point:	ND
Initial boiling point/boiling range:	0.00

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Flashpoint:	NORMALLY STABLE, NOT COMBUSTIBLE NOR FLAMMABLE.
Evaporation rate:	N/A
Flammability (solid, gas):	NORMALLY STABLE, NOT COMBUSTIBLE NOR FLAMMABLE.
Upper explosive limits:	N/A
Lower explosive limits:	N/A
Vapor pressure:	No data
Vapor density:	No data
Relative density:	1
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

9.2 Other safety information

No additional information available

10. STABILITY AND REACTIVITY

10.1 Reactivity

10.2 Chemical stability: Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions:

No additional information available

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

10.5 Incompatible materials: OXIDIZING & REDUCING AGENTS MAY DESTROY COLOR.

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

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Oral (Animal): NO DATA AVAILABLE.

Dermal (animal): NO DATA AVAILABLE.

Effects to eyes (Animal): NO DATA AVAILABLE.

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Skin irritation (Animal): NO DATA AVAILABLE.

12. ECOLOGICAL INFORMATION

12.1 Toxicity:

NO DATA AVAILABLE.

12.2 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.

12.3 Bioaccumulative potential and 12.4 Mobility in soil: Considered non-toxic**12.5 Results of PBT and vPvB assessment:** not applicable**12.6 Other adverse effects:** No additional information available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Dispose of only in an approved land-fill area or by controlled incineration in accordance with local and State regulations.

Waste Residues: 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.

14. TRANSPORT INFORMATION

14.1. UN number: None**14.2. UN proper shipping name:** None**14.3. Transport hazard class(es):** Not dangerous goods**14.4. Packing group****14.5. Environmental hazards:** None

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14.6. Special precautions for user

14.6.1. Overland transport: NONE

14.6.2. Transport by sea: NONE

14.6.3. Air transport: NONE

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: N/A**15. REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

15.1.1. EU-Regulations: This product is not classified as a dangerous substance and hence labelling according to EC directives is not necessary.

15.1.2. National regulations: N/A

15.2. Chemical safety assessment

No additional information available

16. OTHER INFORMATION**Full text of H-Statements referred to under sections 2 and 3.**

H303	May be harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

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.