

SAFETY DATA SHEET (SDS)

Revision Date: 15-April-2015

Date Issued: 24-April-2015

Revision E

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product Name: **PTSA STANDARD**
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

Anderson Chemical Company Ph: 1-320-693-2477
325 South Davis Avenue
Litchfield, MN 55355

1.4 EMERGENCY TELEPHONE NUMBER

Emergency phone # **Chemtrec 800-424-9300 (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 |
|------|-----------------------------|

SAFETY DATA SHEET (SDS)

OSHA HazCom Standard 29 CFR 1910.1200 (g), Rev 2012 and GHS Rev 03

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Product: PTSA STANDARD

| | |
|------|----------------------------------|
| 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.

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

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 |

| | |
|---------------------------------------|---|
| 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.

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

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

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