

SAFETY DATA SHEET

Acrylate Catalyst SP

Section 1: Product and Company Identification

Trade Name: Tri-State Waterstoppers

Product name: TSW Acrylate Catalyst SP

Manufacturer:

Tri-State Waterstoppers, LLC

99 Depot Street,

Youngwood, PA 15697, United States

Phone 724-635-3389

24 Hour Emergency Contact Number:

724-880-9698

Section 2: Hazards Identification

GHS Classifications

Health:

Acute Toxicity (Oral), Category 4

Skin Irritation, Category 2

Eye Irritation, Category 2A

Respiratory Sensitization, Category 1

Skin Sensitization, Category 1

Target organ toxicity single exposure, Category 3

Physical:

Oxidizing Solids, Category 3

GHS Label



Health hazard



Exclamation mark



Flame over circle

Signal Word: Danger.

Hazard Statements

H272: May intensify fire; oxidizer.

H302: Harmful if swallowed.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335: May cause respiratory irritation.

Precautionary Statements

Prevention:

P210: Keep away from heat, sparks, open flames and hot surfaces. – No smoking.

P220: Keep/Store away from clothing/combustible materials.

P221: Take any precaution to avoid mixing with combustibles.

P261: Avoid breathing dust.

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P271: Use only outdoors or in a well-ventilated area.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear protective gloves, protective clothing, eye protection and face protection.

P284: In case of inadequate ventilation wear respiratory protection

Response:

P301+P312: IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell.

P330: Rinse mouth.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P333+P313: If skin irritation or rash occurs: Get medical attention.

P362 + P364: Take off contaminated clothing and wash it before reuse.

P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER or physician.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical attention.

Section 3: Composition/Information on Ingredients

Component	% (weight)	Product Identifier
Sodium Persulfate	100	CAS No. 7775-27-1

Section 4: First Aid Measures

Eye Contact: Immediately flush eyes with plenty of water. Remove contact lenses, if present. Seek medical attention if eye irritation persists.

Skin Contact: Wash thoroughly with soap and plenty of water. Remove contaminated clothing and shoes. Seek medical attention if skin irritation or rash occurs.

Ingestion: If swallowed, give 1-2 glasses of water to drink. Do not induce vomiting unless directed to do so by medical personnel.

Inhalation: Move person to fresh air. If symptoms of respiratory distress develop, seek medical attention.

Section 5: Firefighting Measures

Extinguishing Media: Water spray, foam, dry chemical or carbon dioxide. Do not use direct water spray.

Hazardous Combustion Products: Oxides of sulphur and sodium.

Fire Fighting Procedures: Standard.

Fire Fighting Equipment: Exposed firefighters must wear NIOSH-approved positive pressure self-contained breathing apparatus with full-face mask and full protective clothing.

Section 6: Accidental Release Measures

Personal Protection: Wear protective equipment listed in Section 8.

Spill Procedures: Isolate the hazard and deny entry to unnecessary and unprotected personnel. Do not walk through or otherwise scatter spilled material. Avoid dust formation. **Small spills:** Sweep or shovel into containers for later disposal. Close tightly. **Large spills:** Dike far ahead of spill. Follow same procedure as for a small spill.

Environmental Precautions and Cleanup Methods: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. Clean spill area with soap and water.

Section 7: Handling and Storage

Handling: Do not get in eyes, on skin or on clothing. Keep container closed. Use only with adequate ventilation. Do not form dust. Use good personal hygiene practices. Wash hands before eating, drinking, smoking. Keep away from sources of ignition.

Storage: Store in tightly closed containers in cool, dry and well-ventilated area away from heat or sources of ignition. Protect against physical damage.

Storage Temperature: 4.4°C – 32.2°C (40°F - 90°F).

Section 8: Exposure Controls/Personal Protection

Exposure limits:

Component	CAS No.	ACGIH/TLV
Sodium Persulfate	7775-27-1	0.1 mg/m ³

Engineering Controls: Local exhaust ventilation used in combination with general ventilation as necessary to control air contaminants.

Eye/Face Protection: Wear a face shield and chemical safety glasses or goggles.

Skin Protection: Wear impervious gloves. Cover exposed skin.

Respiratory Protection: For airborne exposure above the exposure limit(s), wear a NIOSH approved

air-purifying respirator equipped with organic vapor cartridges. For situations where the atmospheric levels may exceed the level for which an air-purifying respirator is effective, use a positive-pressure air-supplying respirator or supplied air respirator.

Section 9: Physical and Chemical Properties

Appearance	White crystals.
Odor	Odorless.
Melting Point	100 °C (212 °F)
Freezing Point	No data.
Boiling Point	No data.
Flash Point (Closed Cup)	180°C (356°F)
Evaporation Rate	No data.
Flammable Limits In Air	No data.
Vapor Pressure	2 hPa
Solubility in water	Complete.
Autoignition Temperature	No data.
Decomposition Temperature	Decomposes at melting point.
Specific Gravity (water = 1)	2.47 at 20°C (68°F)

Section 10: Stability and Reactivity

Stability: Stable.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: Oxides of sulphur and sodium.

Incompatibilities: Acids, alcohols, combustible material, halogens, organic materials, powdered metals, reducing agents and strong bases.

Section 11: Toxicological Information

Acute:

Component	Oral LD ₅₀ (rat)	Dermal LD ₅₀ (rabbit)	Inhalation LC ₅₀ (rat)
Sodium Persulfate	920 mg/kg		

Carcinogenicity:

IARC: Not regulated as a carcinogen.

NTP: Not regulated as a carcinogen.

OSHA: Not regulated as a carcinogen.

Section 12: Ecological Information

Ecotoxicological Information:

LC₅₀ (rainbow trout) 163 mg/L/96h; EC₅₀ (water flea) 133 mg/L/48h

Section 13: Disposal Considerations

Disposal Method: Dispose in accordance with local, state, provincial or national regulations.

Empty Container: Decontaminate and pass to an approved drum recycler or destroy.

RCRA/EPA Waste Information: If discarded in its purchased form, this material is a RCRA hazardous waste.

General Comments: The generation of waste should be avoided or minimized whenever possible. Chemical waste, even small quantities, should never be poured into drains, sewers or waterways.

Section 14: Transport Information

U.S. DOT: UN1505, Sodium Persulfate, 5.1, III

ICAO/IATA: UN1505, Sodium Persulfate, 5.1, III

IMO/IMDG: UN1505, Sodium Persulfate, 5.1, III

Section 15: Regulatory Information

United States

SARA Title III (Superfund Amendments and Reauthorization Act)

311/312 Hazard Categories: Acute, Reactive.

313 Reportable Components: None.

CERCLA (Comprehensive Environmental Response and Liability Act) None.

TSCA (Toxic Substances Control Act): All components are on TSCA inventory.

RCRA Status: If discarded in its purchased form, this material is a RCRA hazardous waste.

Section 16: Other Information

Date Issued: May 1, 2015

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Abbreviations and Acronyms:

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
EC ₅₀	Median effective concentration
EINECS	European Inventory of Existing Commercial Chemical Substances

GHS	Globally Harmonized System of Classification and Labelling of Chemicals
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
LC ₅₀	Lethal concentration to 50% of exposed laboratory animals
LD ₅₀	Lethal dose to 50% of exposed laboratory animals
TWA	Time-weighted average
TLV	Threshold limit value
NIOSH	US National Institute of Occupational Safety and Health
NE	Not established
NTP	US National Toxicology Program
OEL	Occupational exposure limit
OSHA	US Occupational Safety Health Administration
PEL	Permissible exposure limit
RQ	Reportable quantity
STEL	Short term exposure limit
U.S. DOT	United States Department of Transportation