

FREESTYLE PHOTOGRAPHIC SUPPLIES LEGACYPRO® RAPID SELENIUM TONER

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Distributor: Freestyle Photographic Supplies

5124 Sunset Blvd., Hollywood, CA 90027

Product Name: **RAPID SELENIUM TONER**

Product Number: **10196**

Product Use: Photographic toner

Customer Information Phone Number:

1-800-292-6137

CHEMTREC®: 24 Hour Emergency Transport Phone Number: 1-800-424-9300

Date Reviewed: 8/26/2015

Version: 3.0

2. HAZARDOUS IDENTIFICATION

2.1 Classification of the substance or mixture

Health hazard

Causes eye irritation (Category 2B), H320

Causes skin irritation (Category 2), H314

Selenium component

Acute toxicity, Oral (Category 2), H300

Acute toxicity, Inhalation (Category 3), H331

Skin sensitization (Category 1), H317

Acute aquatic toxicity (Category 2), H401

Chronic aquatic toxicity (Category 2), H411

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word: WARNING

Hazard statement(s)

H305 May be harmful if swallowed and enters airways/

H314 Causes skin irritation

H317 May cause allergic skin reaction

H320 Causes eye irritation

H335 May cause respiratory irritation

MATERIAL SAFETY DATA SHEET



Precautionary statement(s)

- P261 Avoid breathing mist
P264 Wash skin thoroughly after handling
P270 Do not eat, drink, or smoke when using this product
P280 Wear protective gloves, eye protection
P301 + P312 IF SWALLOWED; call a POISON CENTER or doctor/physician if you feel unwell
P302 + P352 IF ON SKIN: Wash with plenty of soap
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment (see supplemental first aid instructions on this label).
P330 Rinse mouth.
P333 +P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse
P391 Collect spillage
P501 Dispose of contents to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS</u>	<u>OHSA PEL</u>	<u>ACGIH TLV</u>	<u>Weight %</u>
AMMONIUM THIOSULFATE	7783-18-8	N.E.	N.E.	40-50
SODIUM SULFITE	7757-83-7	N.E	5 mg/m ³	10-15
SODIUM SELENITE	10102-18-8	0.2 mg/m ³ *	0.2 mg/m ³ *	< 2

* Listed as (Se) under Selenium compounds

4. FIRST AID MEASURES

Emergency Overview: WARNING! This product is harmful if swallowed or absorbed through the skin. Dried product can act as a reducing agent. Product contains sodium selenite. Overexposure to selenium compounds may cause liver and kidney damage, neurological effects.

4.1 Description of first aid measures

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids apart. DO NOT remove contact lenses, if worn. Get immediate medical attention.

Inhalation: If symptomatic, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion: Seek medical attention or contact a poison control center for advice about whether to induce vomiting. If conscious, give two glasses of water. If individual is drowsy or unconscious, do not give anything by mouth. Place individual on left side with head down.

Skin Contact: Flush skin with plenty of water and wash with a non-alkaline skin cleaner. Wash contaminated clothes before reuse. Get medical attention if irritation develops.

Aggravated Medical Conditions: Skin contact may aggravate an existing dermatitis.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Nonflammable -Use agent appropriate for surrounding fire.

5.2 Special Hazards arising from substance or mixture

Fire or excessive heat may cause production of hazardous decomposition products.
Dried product residue can act as a reducing agent. Reacts violently with oxidizing materials. May cause spontaneous heating and ignition when absorbed on combustible, porous materials.
Combustion Products: Carbon dioxide, carbon monoxide, oxides of sulfur, nitrogen and selenium.

5.3 Advise for firefighters

Wear self-contained breathing NIOSH/MSHA approved apparatus and protective clothing to prevent contact with skin and eyes.

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

Review fire and explosion hazards and safety precautions before proceeding with cleanup. Use appropriate personal protective equipment. Avoid contact with skin and eyes. Wear respiratory protection. Stop the spillage. Dike the spill. Prevent liquid from entering sewers, waterways or low areas. Absorb spillage in inert material. Soak up with sawdust, sand, or other absorbent material. Remove non-usable solid material and/or contaminated soil for disposal in an approved and permitted landfill.

6.2 Environmental precautions

Prevent liquid from entering sewers, waterways or low areas. Discharge to sewer requires approval of permitting authority and may require pre-treatment. Contaminated surfaces should be cleaned using water.

7. HANDLING AND STORAGE**7.1 Precautions for safe handling**

Avoid contact with eyes and skin. Avoid breathing mist or vapor in concentrations greater than the exposure limits. Store in a cool, dry, well-ventilated area. Keep containers closed. Do not store with incompatible materials such as oxidizing materials. Do not store or consume food, drink, or tobacco where they may become contaminated with this material.

7.2 Conditions for safe storage, including any incompatibles

Do not store with incompatible materials. All labeled precautions must be observed when handling, storing and transporting empty containers due to product residues. Triple rinse before disposal. Dispose of in a licensed facility.

8. EXPOSURE CONTROL / PERSONAL PROTECTION**8.1 Control parameters**

See Section 3.

8.2 Exposure controls

Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Personal protective equipment

Eye Protection: Safety goggles

Respiratory Protection: When this product is used in the intended way, no respiratory protection is anticipated to be necessary. If exposure limits are exceeded an approved respirator must be worn. Respirator type: full-face positive-pressure air-supplied.

Skin protection: Nitrile, rubber, or neoprene or other impervious gloves are recommended.

Body protection: Rubber or plastic apron.

Ventilation protection: Local exhaust ventilation is recommended. Ventilation must be adequate to keep hazardous ingredients below their exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance And Odor: Colorless liquid with mild odor.

Solubility In Water: Complete

Boiling Point: >100° C

Flash Point: Nonflammable

Vapor Pressure: 18mm Hg @ 20° C

Ph: 9.0

Specific Gravity: 1.31 g/ml

Melting Point: Not applicable

Freezing Point: Not established

Evaporation Rate: Not established

Vapor Density: 0.6

Percent Volatile: 57.3

Molecular Weight: Not applicable

Pounds Per Gallon: 10.89

V.O.C. is 0.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible Materials

Acids, strong bases, sodium hypochlorite (bleach), halogenated compounds, oxidizing agents. Contact with strong acids will liberate sulfur dioxide. Strong bases of sodium hydroxide will liberate ammonia fumes and flammable material. Contact with sodium hypochlorite (bleach) will form chloramines (toxic gas).

10.6 Decomposition Products

Sulfur dioxide, ammonia, and chloramines.

11. TOXICOLOGICAL INFORMATION

11.1 Information of toxicological effects

Component information

Ammonium thiosulfate 7783-18-8

Acute toxicity:

Oral: LD50 (rats): 2,890 mg/kg

Dermal: No data

Inhalation: No data

Skin irritation: Rabbit
Non irritant

Eye irritation: Rabbit
No eye irritation (OECD Test Guideline 405).

Carcinogenicity/mutagenicity: none

Sodium Sulfite 7757-83-7

Acute toxicity:

Oral LD-50 (rat) 3, 560 mg/kg

Inhalation LC-50 (rabbit) >5.500 mg/kg - 4 h

Dermal: no data available

Skin irritation: Rabbit No skin irritation

Eye irritation: Rabbit Mild eye irritation

Respiratory or Skin Sensitization Prolonged or repeated exposure may cause allergic skin
Reaction in certain sensitive individuals.

Carcinogenicity/mutagenicity: none

Sodium Selenite 10102-18-8

Acute toxicity:

Oral: LD50 (mouse): 7.08 mg/kg

Oral: LD50 (rat): 2.25 mg/kg

Oral: LD50 (guinea pig): 5.06 mg/kg

Dermal: No data available
LD50 (mouse): Subcutaneous - 13 mg/kg
LD50 (rat): Intravenous – 3 mg/kg
LD50 (rat): Parenteral – 6.57 mg/kg

Inhalation: No data available

Skin irritation: No data available

Eye irritation: No data available

Respiratory or skin sensitization:

Germ Mutagenicity: Laboratory experiments have shown mutagenic effects.

Carcinogenicity/mutagenicity:

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

IARC: 3- group 3: Not classifiable as to its carcinogenicity to humans (Sodium selenite).

Reproductive toxicity: No data available

Specific target organ toxicity – repeated exposure – No data available

Aspiration hazard - No data available

12. ECOLOGICAL INFORMATION**Component information*****Ammonium thiosulfate 7783-18-8*****12.1 Toxicity**

Toxicity to fish	LC0-Lepomis macrochirus (bluegill) - 510 mg/l – 96h
Toxicity to daphnia and other aquatic invertebrates	LC50 – Daphnia magna (Water flea) – 230 mg/l – 21d
Toxicity to algae	EC50 – Pseudokirchneriella subcapitata - > 100 mg/l – 72 h (OECD Test Guideline 201).
Toxicity to bacteria	Respiration inhibition EC50 – Sludge Treatment - > 1,000 mg/l – 3h (OECD Test Guideline 201).

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Result of PBT and vPvB assessment

Assessment not available as chemical assessment not required/not conducted

Sodium Sulfite 7757-83-7**12.1 Toxicity**

Toxicity to fish	LC- Gambusia affinis (Mosquito fish) – 660 mg/l – 96h
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12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

Sodium Selenite 10102-18-8**12.1 Toxicity**

Toxicity to fish

LC50- *Oncorhynchus mykiss* (rainbow trout) - 2.75 mg/l – 96h

Toxicity to daphnia and
other aquatic invertebrates

mortality LOEC – *Daphnia magna* (Water flea) – 0.52mg/l – 21 d
LC50 - *Daphnia magna* (Water flea) – 0.25 mg/l – 48 h

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

Bioaccumulation

Lepomis macrochirus – 120 d - 10µg/l
Result: 99% - Readily biodegradable

Bioconcentration factor (BCF): 1,850

12.4 Mobility in soil

No data available

12.5 Result of PBT and vPvB assessment

Assessment not available as chemical assessment not required/not conducted

12.6 Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Toxic to aquatic life with long lasting effects.

13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods****Product**

Preferred options for disposal are to send to licensed reclaimers, or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local regulations. Do not dump into sewers, ground, or any body of water.

14. TRANSPORT INFORMATION**DOT (US)**

Not regulated

15. REGULATORY INFORMATION**SARA 302 Components**

The following components are subject to reporting levels established by SARA Title III, Section 302:
None

SARA 313 Components

Product contains Sodium Selenite which is listed as Selenium Compounds under Sara Title 313.

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

California Prop 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

TSCA

All ingredients in this finished product are listed on the EPA TSCA INVENTORY.

SCAQMD Rule 443.1

Photochemically Reactive: No

Maximum Grams of VOC per Liter: 0 g/L

Vapor Pressure: 18 mm Hg@ 20 Degrees C

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

Causes eye irritation (Category 2B), H320

Causes skin irritation (Category 2), H314

Selenium component

Acute toxicity, Oral (Category 2), H300

Acute toxicity, Inhalation (Category 3), H331

Skin sensitization (Category 1), H317

Acute aquatic toxicity (Category 2), H401

Chronic aquatic toxicity (Category 2), H411

HMIS RATING

Health: 3

Chronic: *

Flammability: 0

Reactivity: 0

OTHER ADDITIONAL INFORMATION: The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for the injuries from the use of the product described herein.