



SAFETY DATA SHEET

1. Product and Company Identification

1.1 Product Identifiers:

Product Name: Phantom Premium Clear Contrast.

Catalog Number(s): 7118, and 7119.

1.2 Relevant Use of the Product and Uses Advised Against:

Relevant use of the product: Biological stain component for use in histology and cytology

Uses advised against: No information available

1.3 Details of the Supplier of the Safety Data Sheet:

Company: Scigen Inc.

333 East Gardena Blvd.

Gardena, CA 90248

1.4 Emergency Telephone Number: 1.310.324.6576

2. Hazard(s) Identification

2.1 Classification of the Substance or Mixture:

GHS classification in accordance with 29 CFR 1910 is considered hazardous.

Skin Corrosion/Irritation: Category 1A.

Serious Eye Damage/Irritation: Category 1.

2.2 GHS Label Elements, Including Precautionary Statements:

GHS Label Elements: Exempt from GHS OSHA labeling mandate.

Hazard Pictograms: Exempt from GHS OSHA labeling mandate.

Single Word: Exempt from GHS OSHA labeling mandate.

Hazardous Statements: Exempt from GHS OSHA labeling mandate.

Reagents that are used for diagnosis and treatment of diseases are considered medical devices; which are under the jurisdiction of the FDA and are exempt from the OSHA labeling mandate.

3. Composition/Information on Ingredients

3.1 Substance: Not Applicable.

3.2 Mixture: Hazardous Components.

Chemical Name:	CAS Number:	Composition by %:
Acetic Acid	64-19-7	<6

4. First Aid Measures

4.1 Description of First Aid Measures:

General Advice: Never give anything to an unconscious person. If you feel unwell, seek medical attention. Provide consulting physician with this safety data sheet

Eye Contact: Flush eyes with water for at least 15 minutes. Remove contact lenses, if present and easy to do. If symptoms persist after washing consult a physician.

Skin Contact: Generally non-irritating when used under normal laboratory conditions.

Inhalation: If coughing or difficulty in breathing is experienced, remove victim from exposure to fresh air immediately. Administer oxygen or artificial respiration if needed. Consult a physician
Ingestion: Ingestion is not likely to occur under normal conditions of use; may cause gastrointestinal irritation with nausea, vomiting and/or diarrhea. If symptoms persist consult a physician.

Physician Consult: Provide consulting physician with this safety data sheet.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed:

General: May cause eye irritation or damage, may cause skin irritation.

Inhalation: Vapor or mist may cause respiration irritation.

Skin Contact: Prolonged skin contact may cause mild irritation.

Eye Contact: May cause irritation or serious damage.

Ingestion: May cause severe swelling to delicate tissue.

4.3 Indication of any Immediate Medical Attention and Special Treatment:

Severe eye irritation.

5. Fire-Fighting Measures

5.1 Suitable (and Unsuitable) Extinguishing Media:

Use any media suitable for the surrounding fire, this product is nonflammable.

5.2 Specific Hazards Arising From the Substance or Mixture:

Thermal decomposition may lead to the release of irritant gases or vapor.

5.3 Special Protective Equipment and Precautions for Firefighters:

Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH and full protective gear (sealed chemical suits) are necessary for fighting fires involving substantial volumes of this product. Thermal decomposition may generate highly irritating and toxic fumes due to acetic acid.

6. Accidental Release Measures

6.1 Personal Precautions, Protective Equipment, and Emergency Procedures:

Spills and Leaks: Wear protective gloves, impermeable apron or lab coat, and splash proof goggles. Avoid contact with skin, eyes, and clothing. Ventilate the area.

6.2 Environmental Precautions:

Prevent entry into sewers and waterways

6.3 Methods and Materials for Containment and Cleaning Up:

Small spills; use a damp sponge or mop to absorb spilled liquid. Wash contaminated area with copious amounts of water.

Large spills: absorb with inert material (vermiculite, sand or earth), then place in a suitable container for disposal. Always comply with local, state, and federal regulations.

7. Handling and Storage

7.1 Precautions for Safe Handling:

Wash hands thoroughly after handling. Avoid contact with eye, skin, and clothing. Wear protective gloves, impermeable apron or lab coat, and splash proof goggles when handling. Do not wear contaminated clothing after spill. Keep container closed, do not inhale or ingest.

7.2 Conditions for Safe Storage, Including Any Incompatibilities:

Store product in tightly closed container in a well-ventilated cool dry area. Protect from freezing, store at room temperature 15-30°C.

8. Exposure Controls/Personal Protection

8.1 Control Parameters:

Component	CAS Number	Control Parameters	Limit Values	Agency(s)
Acetic Acid	64-19-7	TWA (8 Hour)	10 ppm	OSHA NIOSH ACGIH
		STEL (15 minutes)	15 ppm	NIOSH ACGIH

8.2 Appropriate Engineering Controls:

Eye wash and safety shower should be available in working and storage vicinity. Use adequate general or local ventilation system to keep airborne concentration below the permissible exposure limits of the product components. Normal room ventilation is usually adequate.

8.3 Personal Protective Equipment:

Wear protective gloves (nitrile), impermeable apron or lab coat and splash proof goggles when handling this product. Under normal laboratory conditions the use of a respirator is not necessary.

9. Physical and Chemical Properties

Physical State: Liquid.

Color: Clear.

Odor: Mild acidic.

Odor Threshold: Not determined.

pH: Not determined.

Melting Point: Not- applicable.

Freezing Point: 0°C (32°F).

Initial Boiling Point: 100°C (212°F).

Boiling Range: Not determined.

Flash Point: Not applicable.

Evaporation Rate: Not determined.

Flammability Rate (solid, gas): No determined.

Explosive Limits:

- Upper Limits: Not determined.
- Lower Limits: Not determined.

Vapor Pressure: Not determined.

Vapor Density: Not determined.

Relative Density: Not determined.

Water Solubility: Fully miscible.

Partition Coefficient (n-octanol/water): Not determined.

Auto-ignition Temperature: Product does not self-ignite.

Decomposition Temperature: Not determined.

10 . Stability and Reactivity

10.1 Chemical Stability: Stable under normal laboratory conditions.

10.2 Possibility of Hazardous Reactions: No hazardous reactions known under normal laboratory use or laboratory conditions.

10.3 Conditions to Avoid: Excess heat.

10.4 Incompatible Materials: Strong oxidants, strong acids, and strong bases,

10.5 Hazardous Decomposition Products: Under fire conditions only; carbon monoxide, carbon dioxide, thermal decomposition can lead to release of irritating gases and or vapors of acetic acid.

11. Toxicological Information

11.1 Acute Toxicity:

Acetic Acid Component

Oral LD50: 3310 mg/kg_ Rat.

Dermal LD50: 1060 mg/kg_ Rabbit.

Inhalation LD50: 11.4 mg/L_ Rat (4hr).

Inhalation Effects / Respiration Sensitization: Data not available.

Ingestion Effects: Data not available.

Skin Effects /Corrosion/Sensitization: Data not available.

Serious Eye Damage and Irritation Effects: Data not available.

Reproductive Toxicity: Data not available.

Germ Cell Mutagenicity: Data not available.

Teratogenicity: Data not available.

Carcinogenicity:

NTP	No component of this product is listed as a known or probable carcinogenic
IARC	No component of this product is listed as a known or probable carcinogenic
OSHA	No component of this product is listed as a known or probable carcinogenic

Short Term Exposure Specific Target Organ Toxicity (GHS): Data not available.

Long Term Exposure Specific Target Organ Toxicity (GHS): Data not available.

Aspiration Hazard: Data not available.

Short Term Exposure Specific Target Organ Toxicity (GHS): Data not available.

Long Term Exposure Specific Target Organ Toxicity (GHS): Data not available.

Aspiration Hazard: Data not available

Potential Health Effects:

Eyes:

- Acute: Contact of liquid with eyes may cause slight irritation which may result in conjunctivitis.
- Chronic: No chronic effects expected under normal laboratory use.

Skin:

- Acute: Brief contact with skin is non-irritating.
- Chronic: No chronic effects expected under normal laboratory use.

Ingestion:

- Acute: Ingestion not likely to occur under normal conditions of use.
- Chronic: No chronic effects expected under normal laboratory use.

Inhalation:

- Acute: Data not available.
- Chronic: Data not available.

Symptoms Related to Physical, Chemical, and Toxicological: Characteristic:

Data not available.

RTECS Information: Data not available.

12. Ecological Information

12.1 Ecotoxicity: Data not available.

12.2 Persistence and Degradability: Data not available.

12.3 Bioaccumulative Potential: Data not available.

12.4 Mobility in Soil: Data not available.

12.5 Other Adverse Effects: Data not available.

13. Disposal Considerations

13.1 Product waste disposal:

Small quantities may be drain disposed with approval from local waste water treatment authorities. Follow federal, state, and local disposal regulations if available.

13.2 Contaminated Packaging: Dispose of as unused product.

13.3 RCRA P Series Waste: None of the ingredients are listed.

13.4 RCRA U Series Waste: None of the ingredients listed.

14. Transport information

14.1 UN Number: Non-hazardous substances.

14.2 UN Proper Shipping Name: Non-hazardous substances.

14.3 Transport Hazard Class: Non-hazardous substances.

14.4 Packaging Group: Not applicable.

14.5 Marine Pollutant: No.

14.6 Special Precautions: None known.

15. Regulatory Information

15.1 FEDERAL USA:

OSHA: Not applicable.

TSCA: All ingredients of this product are listed on the TSCA inventory.

CERCLA: Reportable quantity 5,000 pounds acetic acid.

SARA Title III:

Extremely Hazardous Substance (section 355): not listed.

Hazardous Categories (sections 311/312): Not listed.

Toxic Chemicals (section 313): Not listed.

RCRA: Not listed.

15.2 STATE:

California Prop 65: No ingredients listed.

Pennsylvania Environmental Hazards Substance List: Acetic acid listed.

Florida Toxic Substance List: Acetic acid is listed.

16. Other Information:

16.1 NFPA Classification:

Health: 1

Fire: 0

Reactivity: 0

16.2 HMIS Classification:

Health: 1

Fire: 0

Reactivity: 0

16.3 Prepared By: Scigen Regulatory Affairs

16.4 Revision Date: 29-May-2015

16.5 Disclaimer:

The above information is believed to be correct but does not purport to be all inclusive, it is intended to be used as a guide. No warrant, expressed or implied, is made; Scigen Inc. assumes no legal responsibility or liability whatsoever resulting from its use.