

MATERIAL SAFETY DATA SHEET

Precision Laboratories, Inc.



Updated: February 1, 2010

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Product Name: SIGNAL™ GREEN

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **SIGNAL™ GREEN**
Supplier: PRECISION LABORATORIES, INC.
1429 S. SHIELDS DRIVE
WAUKEGAN, IL 60085

Emergency telephone number: (Chemtrec Information 24 hours) 1-800-424-9300
For MSDS, Product Safety, or
Regulatory inquiries, call: (800) 323-8351
Customer Service, call: (800) 323-6280

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>% By Wt.</u>
N/A				

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

HMIS Hazard Rating:

- 1 Health Hazard Rating
- 0 Flammability Rating
- 0 Reactivity Rating
- x Personal Protection

Primary Routes of Exposure:

Eyes: **YES** Skin: **YES** Oral: **YES** Inhalation: **YES**

Signs and Symptoms of Exposure:

Eye contact: May cause irritation, sensitivity, pain, reddening, stinging sensation, swelling, watering, inflammation, itching burning feeling and other effects.

Skin contact: May cause irritation, itching, reddening and other effects.

Inhalation: May cause respiratory and mucosal irritation, headache, dizziness, cough, chest pain, shortness of breath, nausea and other effects. Avoid berating dust, spray or mist.

Ingestion: May cause nausea, headache, gastrointestinal irritation, upset stomach, abdominal pain, vomiting, diarrhea, irritation of mouth, throat, esophagus, stomach, mental sluggishness, confusion, fatigue, weakness, dizziness, drowsiness and faintness. High dose can cause severe irritation, loss of balance and other serious effects.

4. FIRST AID MEASURES

FIRST AID MEASURES FOR ACCIDENTAL:

Eye Exposure: Check for and remove contact lenses. Immediately flush eyes with water for at least 15 minutes while holding eyelids open. Seek immediate medical attention as a precaution.

Skin Exposure: Remove contaminated clothing. Wash affected area with plenty of soap and water. Seek medical attention as a precaution.

Inhalation: Immediately move person to fresh air. If person is having difficulty breathing, give oxygen. If not breathing, give artificial respiration. Seek emergency medical help immediately.

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Never give fluids or force vomiting if the person is unconscious, is having convulsions or has no gag reflex. If large quantities are swallowed, seek emergency medical help immediately. Medical Conditions Aggravated by Overexposure: Repeated or prolonged exposure may aggravate respiratory problems, skin conditions, eye conditions and kidney or liver disorders.

5. FIRE-FIGHTING MEASURES

FIRE HAZARD DATA:

Flammability: N/A LEL: N/A UEL: N/A

Auto-ignition temperature: N/D

Flash Point: N/A

Extinguishing Media: CO², dry chemical, foam, water fog or spray depending on type of fire.

Special Fire Fighting Procedures: Firefighters should wear NIOSH/MSHA Approved Self-Contained breathing apparatus and full protective clothing. Use water spray to cool fire exposed containers if they cannot be safely moved.

Additional Fire and Explosive Data: None

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6. ACCIDENTAL RELEASE MEASURES

Evacuate the spill area, except for cleanup personnel. Wear NIOSH/MSHA-approved respirator and protective equipment as referenced in Section 7 below. Control spill with adsorbent pads or booms. If necessary, apply granular or loose adsorbent to spill. When absorbed, sweep or otherwise collect and dispose of properly. WASTE DISPOSAL METHOD: Dispose of in accordance with federal, state and local regulations.

7. HANDLING, STORAGE & SPILLAGE OR LEAK PROCEDURES

Precautions to be Taken in Handling: Keep away from heat, sparks and flame. Keep container closed. Safety goggles with full-face shield and eyewash recommended. USDA-accepted nitrile (CFR-20) or neoprene rubber (CFR-21) recommended. Wear appropriate clothing to prevent repeated or prolonged skin contact. Use only with adequate mechanical exhaust ventilation. To avoid fire minimize ignition sources.

Precautions to be Taken in Storage: Product should be stored in a dry place with temperatures above 40° F. Partially used containers should be resealed between uses for maximum storage stability.

Spill or Leak Procedures: Recover free liquid. For recovery or disposal, add inert absorbent (sand, earth, sawdust, etc.) to spill area and shovel into containers for disposal. Large spills may be flushed to sewer if local authorities approve such. Product is slippery under foot; flush smooth surfaces thoroughly. Dispose of material in accordance with all federal, state and local regulations in an approved waste disposal facility.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Note: When selecting personal protective equipment and clothing, follow all of the manufacturer specifications and recommendations that apply to your specific operation and processing conditions. Take into consideration all working conditions and all chemicals to be handled or processed.

Eye Protection: Wear splash-proof, indirectly vented, chemical safety goggles. Contact lenses should not be worn when working with chemicals. When handling liquids, wear splash-proof goggles under a clear face-shield.

Skin Protection: Always wear impervious, chemical-resistant synthetic or rubber gloves. Wear long-sleeved shirt, coveralls, rubber or plastic apron and boots to minimize skin contact. As precautions, wash hands and face with mild soap and water before eating, drinking, smoking or using restroom. After each shift, clean all protective equipment, wash work clothes, and shower.

Inhalation Protection: Required under normal use conditions with good ventilation. Protect against spray mists & dust clouds.

Other Protection: Eye wash fountains and drench showers should be located within 100 feet or a 10 second walk or the work area per ANSI Z358.1-1990. Personal Protection in Case of Large Spill: Splash goggles, full suit, boots, gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Appearance & Odor: Green liquid.

Boiling Point: N/E

pH: N/E

Solubility in Water: Soluble.

10. STABILITY AND REACTIVITY

Chemical Stability: Stable.

Incompatibility: Oxidizing and reducing agents.

Hazardous Decomposition Products: In fire: oxides of carbon, nitrogen and other fumes.

Hazardous Polymerization: Will Not Occur

Conditions to Avoid: Contact with incompatible materials.

11. TOXICOLOGICAL INFORMATION

No Toxicological data is available for this product.

12. ECOLOGICAL INFORMATION

No ecological data is available for this product.

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13. DISPOSAL CONSIDERATIONS

Disposal Methods: Recycle or rework material if at all possible. Incinerate material at an approved facility. Treat at an acceptable waste treatment facility, or municipal waste treatment plant after proper testing and approval waste samples in compliance with applicable federal, state and local environmental regulations.

Container Reuse: An empty container can contain product residue, and should be not reused. If not professionally cleaned and reconditioned, crushing or other means is recommended to prevent unauthorized reuse.

14. TRANSPORT INFORMATION

DOT Status (Highway and rail): N/E Protect from freezing.

IATA Status (Air): N/E Protect from freezing.

15. REGULATORY INFORMATION

SARA HAZARD: Title III, Section 313: Contains no Section 313 listed substances subject to reporting.

311/312 Hazard Categories:

Immediate/Acute Health Hazard: Yes

Chronic/Delayed Health Hazard: Yes

Fire Hazard: No

Sudden Release of Pressure Hazard: No

Reactivity Hazard: No

AICS (Australia): Components listed

DSL (Canada): Components listed

EINECS (Europe): Components listed

TSCA: Components listed

WHILE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN ARE BELIEVED TO BE ACCURATE AS OF THE DATE HEREON, PRECISION LABORATORIES, INC., MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.

N/D - Not Determined

N/A - Not Applicable

N/E - Not Established