

# MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200  
Standard must be consulted for specific requirements.

**IDENTITY: SIGNAL™ - SPRAY PATTERN INDICATOR**

## SECTION I

MANUFACTURER'S NAME:

*Precision Laboratories, Inc.*

*P. O. Box 127*

*Northbrook, IL 60065*

EMERGENCY PHONE NUMBER:

*800-323-6280*

*800-424-9300 (Chemtrec - 24 hrs.)*

DATE PREPARED: *June, 1999*

## SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	PERCENT	OSHA PEL	ACGIH
<i>None</i>				

HAZARD CLASSIFICATION: *None.*

HMIS RATING: *0-0-0-X*

## SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: (° F) *212° F.*

VAPOR PRESSURE (mm HG): *5-15*

VAPOR DENSITY (AIR=1): *Greater Than One*

SPECIFIC GRAVITY (H<sub>2</sub>O=1): *1.026*

MELTING POINT: *N/A*

EVAPORATION RATE (VS. H<sub>2</sub>O) *Less Than One*

pH: *3.9*

SOLUBILITY IN WATER: *Complete.*

APPEARANCE AND ODOR: *Deep blue, odorless liquid.*

## SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (T.C.C.) *N/A (Water Solution)*

FLAMMABLE LIMITS: *N/A*

LEL:

UEL:

EXTINGUISHING MEDIA: *N/A*

SPECIAL FIRE-FIGHTING PROCEDURES: *None*

UNUSUAL FIRE AND EXPLOSION HAZARDS: *None*

## SECTION V - REACTIVITY DATA

### STABILITY

UNSTABLE

STABLE

            
x  
          

INCOMPATIBILITY (MATERIALS TO AVOID): *Avoid strong oxidizing agents*

HAZARDOUS DECOMPOSITION PRODUCTS: *None*

HAZARDOUS POLYMERIZATION:

WILL OCCUR

WILL NOT OCCUR

            
x  
          

CONDITIONS TO AVOID: *None*

**SECTION VI - HEALTH HAZARD DATA**

**ROUTES OF ENTRY:** INHALATION? Yes SKIN? Yes INGESTION? Yes EYES? N/A  
**SIGNS AND SYMPTOMS OF OVEREXPOSURE (Acute):** **INGESTION:** May cause nausea and vomiting. **EYES AND SKIN:** May cause irritation and redness. **INHALATION:** Prolonged breathing of vapor may cause nasal and respiratory irritation.  
**SIGNS AND SYMPTOMS OF OVEREXPOSURE (Chronic):** Repeated or prolonged exposure may cause varying damage to all tissues mentioned under acute exposure.  
**MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:** May exacerbate existing dermatitis.  
**CARCINOGEN OR SUSPECT CARCINOGEN INGREDIENTS:** None.

**SECTION VII - EMERGENCY AND FIRST AID PROCEDURES**

**INHALATION:** Remove to fresh air. **EYES:** Flush with water for 25 minutes. **SKIN:** Flush with water until removed.  
**INGESTION:** Give two glasses of water and do not induce vomiting. See physician if symptoms persist.

**SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE**

**RESPIRATORY PROTECTION:** NIOSH-approved respirator when sprayed.  
**VENTILATION REQUIREMENTS:**  
**LOCAL EXHAUST:** Recommended when sprayed.  
**MECHANICAL EXHAUST:** Recommended when sprayed.  
**EYE PROTECTION:** Chemical splash goggles.  
**PROTECTIVE GLOVES:** Impervious material.  
**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Impervious apron, eyewash bath and shower.  
**WORK/HYGIENIC PRACTICES:** Wash contaminated clothes before reuse.

**SECTION IX - SPILL OR LEAK PROCEDURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** **LARGE SPILL:** Wear protective clothing. Dike spill and pump to salvage tank. Mop and flush with water. **SMALL SPILL:** Mop area and flush with water.  
**WASTE DISPOSAL METHOD:** In accordance with all federal, state and local regulations.

**SECTION X - STORAGE AND HANDLING INFORMATION**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Store away from strong oxidizing agents.  
**OTHER PRECAUTIONS:** None.

**SECTION XI - REGULATORY INFORMATION**

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

**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/A - Not Available