

SAFETY DATA SHEET

PRECISION LABORATORIES, LLC

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Enduron™ PSI
Supplier:	Precision Laboratories, LLC 1429 S. Shields Drive Waukegan, IL 60085
Product Use:	Marking Foam
Emergency telephone number:	(Chemtrec Information 24 hours) (800) 424-9300
Customer Service, call:	(847) 596-3001

2. HAZARDS IDENTIFICATION

GHS Classification:

Flammable Liquids, Category 3, H226
Acute Toxicity, Category 4 (oral), H302
Acute Toxicity, Category 4 (dermal), H312
Acute Toxicity, Category 4 (inhalation), H332
Skin Irritation, Category 2, H315
Eye Irritation, Category 2B, H320



H302, H312, H226
H332, H315

Signal Word: Warning

Hazard Statements:

H226: Flammable liquid and vapor.
H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H315: Causes skin irritation.
H320: Causes eye irritation.
H332: Harmful if inhaled.

Precautionary Statements:

Prevention

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P103: Read label before use.
P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking.
P233: Keep container tightly closed.
P240: Ground and bond container and receiving equipment.
P241: Use explosion-proof electrical/ventilating/lighting equipment.
P242: Use non-sparking tools.
P243: Take action to prevent static discharges.
P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P264: Wash protective equipment and work clothes thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

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Response

P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor or Chemtrec if person feels unwell.

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

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P304+P340: If inhaled: Remove person to fresh air and keep comfortable for breathing.

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

P312: Call a poison center/doctor or Chemtrec is person feels unwell.

P321: Treat symptomatically.

P330: Rinse mouth.

P332+P313: If skin irritation occurs: Get medical advice or attention.

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

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

P370+P378: In case of fire: Use...to extinguish.

Storage

P403+P235: Store in a well-ventilated place.

Disposal

P501: Dispose of contents/container to disposal plant in accordance with federal, state and local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS Number</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Weight %</u>
Mixture	Proprietary			100%

4. FIRST AID MEASURES

IF SWALLOWED: Call a POISON CENTER/doctor or Chemtrec if person feels unwell. Rinse mouth. Have person sip a glass of water if able to swallow. Do NOT induce vomiting, unless told to by a poison control center or doctor. Do not give anything to an unconscious person.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash affected area with plenty of soap and water. Use tepid water if available. Treat symptomatically. If skin irritation occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse.

IF INHALED: Move person to fresh air. If person is having difficulty breathing, give oxygen. If not breathing, give artificial respiration. Call a POISON CENTER/doctor or Chemtrec if person feels unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

Medical Conditions Aggravated by Overexposure: Skin contact may aggravate existing skin disease.

Physician Notes: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically. No specific antidote available.

Other Effects: This product is not a carcinogen by NTP, OSHA and ACGIH.

5. FIREFIGHTING MEASURES

In case of fire: Small fires: dry chemical, CO₂. Large fires: alcohol foam, universal foam, water spray. Water jet not recommended due to possible frothing.

Specific Hazards: Product will burn under fire conditions. Vapors may travel a considerable distance to a source of ignition and flash back along vapor trail. Closed containers may explode due to pressure build-up when exposed to extreme heat.

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PPE and Precautions: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: Evacuate the spill area, except for cleanup personnel. Wear NIOSH/MSHA-approved respirator and protective equipment as referenced in Section 8 below. Prevent entry of spilled material into public sewers or waterways. Absorb with inert absorbent (sand, earth, sawdust, etc.), and dike if necessary. Use non-sparking tools. Shovel into appropriate disposal containers. Spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.

Disposal: Dispose of collected waste in accordance with federal, state and local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

7. HANDLING AND STORAGE

Avoid breathing vapors and mists, and prolonged contact with skin and eyes. Keep away from heat, sparks and flame; to avoid fire minimize ignition sources and use non-sparking tools and grounded equipment. Ethylene oxide may collect in container head space. Although concentrations are expected to remain below established exposure limits, provide adequate ventilation when accessing or working with open containers and tanks. Wear protective clothing and equipment as outlined in Section 8 below.

Store in a well-ventilated place. Store between 39 and 90 °F. Protect from freezing. Keep containers tightly sealed. Product should be stored in a segregated, cool, well-ventilated area, away from possible ignition sources and incompatible materials as noted in Section 10 below.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits: None

Eye/Face Protections: Wear splash-proof chemical safety goggles. Contact lenses should not be worn when working with chemicals.

Skin Protection: Wear chemical-resistant gloves, long-sleeved shirt, pants shoes and socks 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.

Respiratory Protection: NIOSH/OSHA-approved respirators should be used in areas of poor ventilation. Protect against spray mists and dust clouds.

General Protection: Avoid contact with skin, eyes and clothing. Avoid breathing vapors. Wash thoroughly after handling product.

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 wash fountains and drench showers should be located within a 10 second walk from the work area per ANSI Z358.1-2009.

Personal Protection in Case of Large Spill: Splash goggles, full suit, boots and gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Pale yellow liquid	Melting Point:	N/D
Odor:	Mild	Freezing Point:	4 to 5 °C (39 to 41 °F)
Odor Threshold:	N/D	Boiling Point:	N/D
pH:	7–8 at 1 wt/wt%	Flash Point:	109°F (43°C), Setflash closed cup

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Evaporation Rate:	N/D	Relative Density:	8.44 lbs/gal
Flammability:	Flammable	Solubility:	Dispersible
UEL:	19	Partition Coefficient:	N/D
LEL:	1.1	Autoignition Temperature:	N/D
Vapor Pressure:	N/D	Decomposition Temperature:	N/D
Vapor Density:	N/D	VOC:	N/D

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Possibility of Hazardous Reactions:	Hazardous polymerization will not occur.
Condition to Avoid:	Heat, open flame, spark, static electricity.
Incompatible Materials:	Strong oxidizing and reducing agents.
Hazardous Decomposition Products:	Burning may produce oxides of nitrogen, sulfur and carbon.

11. TOXICOLOGICAL INFORMATION

This product contains the following substances consider to be “probable” or “suspected” human carcinogens: Ethanol by IARC. No additional toxicological data is available for this product.

12. ECOLOGICAL INFORMATION

No ecological information is available for this product.

13. DISPOSAL CONSIDERATIONS

Component Waste Numbers:	D001, “I” Ignitable.
Disposal Instructions:	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 not be reused. If not professionally cleaned and reconditioned, crushing or other means is recommended to prevent unauthorized reuse. Dispose of container in accordance with federal, state, and local environmental regulations. Dispose of container to disposal plant in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT Status (Highway and rail):	UN1993, FLAMMABLE LIQUID, N.O.S. (ETHANOL,2-BUTOXYETHANOL), 3, PGIII
IATA Status (Air):	N/D
Marine Pollutant:	No

15. REGULATORY INFORMATION

TSCA 8(b) inventory	Listed
SARA HAZARD:	Title III, Section 313: Contains no Section 313 listed substances subject to reporting. Fire hazard, acute health hazard.
AICS (Australia):	Components listed
DSL (Canada):	Components listed
EINECS (Europe):	Components listed
TSCA:	Components listed

State Regulations: This product contains the following components that are regulated under California Proposition 65:

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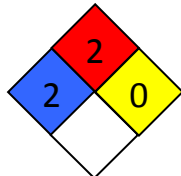
Ingredient Name	Cancer List	Reprod. List	No Sign Risk Level (ug/day)
Formaldehyde	Yes	No	40
Dioxane	Yes	No	30
Ethylene Oxide	Yes	Yes	2

16. OTHER INFORMATION

HMIS Hazard Rating

HEALTH	2
FLAMMABILITY	2
REACTIVITY	0
PERSONAL PROTECTION	X

NFPA Rating



Last Updated: November 4, 2014

Date Prepared: March 5, 2014

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

N/R—Not Rated

N/D—Not Determined

N/A—Not Applicable

N/E—Not Established

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.