

SAFETY DATA SHEET

PRECISION LABORATORIES, LLC

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Intact™ Pro**
Supplier: Precision Laboratories, LLC
1429 S. Shields Drive
Waukegan, IL 60085
Product Use: Drift Control Agent
Emergency telephone number: (Chemtrec Information 24 hours) (800) 424-9300
Customer Service, call: (847) 596-3001

2. HAZARDS IDENTIFICATION

GHS Classification:

Eye Damage, Category 1, H318

Chronic Aquatic Toxicity, Category 3, H412



H318

Signal Word: Danger

Hazard Statements:

H318: Causes serious eye damage

H412: Harmful to aquatic life with long lasting effects

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.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response

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

P310: Immediately call a POISON CENTER/doctor or Chemtrec.

Disposal

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	OSHA PEL	ACGIH TLV	Weight %
Ethanol, 2-(2-butoxyethoxy)-	112-34-5		10 ppm	70%-85%
Ethoxylated Amine Derivative	Proprietary			1%-20%
Proprietary Blend	Proprietary			10%-29%

4. FIRST AID MEASURES

IF SWALLOWED: Do NOT induce vomiting, unless told to by a poison control center or doctor. Do not give anything to an unconscious person. Get medical attention immediately.

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IF ON SKIN: Wash affected area with plenty of soap and water. Use tepid water if available. Get medical attention immediately. Remove contaminated clothing immediately and dispose of safely.

IF INHALED: Move person to fresh air. If person is having difficulty breathing, give oxygen. If not breathing, give artificial respiration. If person feels unwell, seek medical attention/advice.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call an ophthalmologist. Protect uninjured eye.

Medical Conditions Aggravated by Overexposure: Repeated or prolonged exposure is not known to aggravate medical condition.

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

5. FIREFIGHTING MEASURES

Suitable Extinguishing media: Water spray, foam, CO₂, or dry chemicals may be used in areas where this product is stored. Do not use water jet.

PPE and Precautions: Fire fighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Collect contaminated fire extinguishing media separately. This must not be discharged into drains.

Additional Fire and Explosion Data: None known.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: Evacuate the spill area, except for cleanup personnel. Wear personal protective equipment (PPE). Control spill with adsorbent pads or booms. Recover free liquid. For recovery or disposal, add inert absorbent (sand, earth, sawdust, etc.) to spill area and shovel into containers for disposal.

Disposal: Product is slippery under foot; flush smooth surfaces thoroughly. Dispose of collected waste in accordance with federal, state and local regulations.

7. HANDLING AND STORAGE

Precautions to be Taken in Handling: Keep container sealed when not in use. Safety goggles and eyewash recommended. USDA-accepted nitrile (CFR-20) or neoprene rubber (CFR-21) recommended. Wear appropriate clothing to prevent repeated or prolonged skin contact.

Precautions to be Taken in Storage: Product should be stored in a dry place. Do not store together with food, beverage and animal feed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Note: When selecting personal protective equipment and clothing, follow all 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.

Component Exposure Limits:

Ingredient Name	CAS Number	Type	Limit Value	Basis
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	TWA	10 ppm, Inhalable fraction and vapour	US (ACGIH) 2013
		STEL	15 ppm 101.2 mg/m ³	EU (IOELV) February 07, 2006
		TWA	10 ppm 67.5 mg/m ³	EU (IOELV) February 07, 2006
		TWA	10 ppm 66 mg/m ³ , Inhalable fraction, aerosol, and vapour	OEL (IT) October 2013

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			15 ppm 101.2 mg/m ³	OEL (IT) May 25, 2014
		TWA	10 ppm 67.5 mg/m ³	OEL (IT) May 25, 2014

- Eye/Face Protections:** Wear close fitting, 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, socks and shoes 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:** Not required under normal use conditions with good ventilation. Protect against spray mists. Respirator recommended in areas of poor ventilation.
- General Protection:** Avoid contact with skin, eyes and clothing. Avoid breathing vapors. Wash thoroughly after handling product.
- Note:** 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:	Opaque tan liquid	LEL:	N/A
Odor:	Slight	Vapor Pressure:	N/D
pH (1% aqueous):	6.0-7.0	Vapor Density:	N/D
Melting Point:	N/D	Relative Density (lbs/g):	8.0 – 9.0
Freezing Point:	N/D	Solubility in water:	Dispersible
Boiling Point:	>212°F	Partition Coefficient:	N/D
Flash Point:	>212°F	Autoignition Temperature:	N/D
Evaporation Rate:	N/D	Decomposition Temperature:	N/D
Flammability:	N/A	VOC:	N/D
UEL:	N/A	Viscosity:	≥ 2000 cPs

10. STABILITY AND REACTIVITY

- Stability:** The product is stable under normal conditions.
- Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- Condition to Avoid:** None known.
- Incompatible Materials:** Strong oxidizers.
- Hazardous Decomposition Products:** Burning may produce heavy smoke, as well as oxides of nitrogen in addition to carbon dioxide and carbon monoxide.

11. TOXICOLOGICAL INFORMATION

No toxicological data is available for this product.
Toxicological information of the main substances found in the product:

Ingredient Name	CAS Number	Toxicological Evaluation	Result	Data Source
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	Acute Toxicity, Oral, Mouse	LD50 – 2410 mg/kg	Literature
		Acute Toxicity, Dermal, Rabbit	LD50 = 2764 mg/kg Duration: 24 h	

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		Skin Irritation, Rabbit OECD 404	Moderately Irritating Duration: 1 h	
		Eye Irritation, Rabbit	Moderately Irritating	
		Respiratory sensitization, Guinea Pig	Not sensitizing Duration: 24 h	
		Skin sensitization, Guinea Pig	Not sensitizing Duration: 24 h	
		Germ Cell Mutagenicity, Mouse	Not mutagenic Duration: 72 h	
		Reproductive Toxicity, Skin, Rat	NOAEL = 2000 mg/kg Duration: 90 d	
Ethoxylated Amine Derivative	Proprietary	Acute Toxicity, Oral, Rat	LD50 = 620 mg/kg	Analogous product with similar composition
		Skin Irritation, Rabbit	Irritating	
		Eye Irritation, Rabbit	Very irritating	

12. ECOLOGICAL INFORMATION

Ecological Information of main substances found the mixture:

Ingredient Name	CAS Number	Toxicological Evaluation	Result	Data Source
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	Aquatic Acute Toxicity, Fish	LD50 – 1300 mg/L Duration: 96 h	Literature Data
		Aquatic Acute Toxicity, Daphnia magna EU Method C.2	EC50 > 100 mg/L Duration: 48 h	
		Aquatic Acute Toxicity, Algae OECD 201	EC50 > 100 mg/L Duration: 96 h	
		Bacterial Toxicity OECD 209	EC50 > 1995 mg/L	
Ethoxylated Amine Derivative	Proprietary	Aquatic Acute Toxicity, Fish	LC50 = 8.8 mg/L Duration: 96 h	Literature Data
		Aquatic Acute Toxicity, Daphnia magna	EC50 = 8.0 mg/L Duration: 48 h	

Persistence and degradability :

Ecological Information of the main substances found in the mixture:

Ingredient Name	CAS Number	Biodegradability	Test	Data Source
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	Readily biodegradable	OECD 301 C Duration: 28 d 85% degradation	Literature Data
Ethoxylated Amine Derivative	Proprietary	Not readily biodegradable	OECD 301 Duration : 28 d < 60% degradation	Literature Data

Bioaccumulative potential :

Ecological Information of the main substances found in the mixture:

Ingredient Name	CAS Number	Bioaccumulation	Test	Data Source
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Ethanol, 2-(2-butoxyethoxy)-	112-34-5	Not bioaccumulative	BCF Bioaccumulation factor 3	Calculated Data
Ethoxylated Amine Derivative	Proprietary	Not bioaccumulative	Evaluation	Literature Data

Mobility in soil:

Ecological Information of the main substances found in the mixture:

Ingredient Name	CAS Number	Mobility in soil	Test	Data Source
Ethanol, 2-(2-butoxyethoxy)-	112-34-5	Very High	Koc : 48	Calculated Data

13. DISPOSAL CONSIDERATIONS

Component Waste Numbers:	No EPA Waste Numbers are applicable for this product's components.
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 contents/container to disposal plant in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT Status (Highway and rail):	Not Regulated
IATA Status (Air):	Not Regulated

15. REGULATORY INFORMATION

SARA 311/312:	Immediate (Acute) Health Hazard
SARA 313:	The following components are subject to reporting levels established by SARA Title III, Section 313: 112-34-5 Diethylene glycol monobutyl ether 111-76-2 2-Butoxy ethanol
TSCA:	Ethanol, 2-(2-butoxyethoxy)- is listed in TSCA Section 8b Ethoxylated amine derivative is listed in TSCA Section 8b
CAA:	Ethanol, 2-(2-butoxyethoxy)- is listed in CAA Section 111, Section 112(b) – HAP, Section 112(b) - HON
DSL (Canada):	Components listed

US State Regulations

Pennsylvania Right To Know

112-34-5	Diethylene glycol monobutyl ether	90 - 100 %
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New Jersey Right To Know

112-34-5	Diethylene glycol monobutyl ether	90 - 100 %
111-76-2	2-Butoxy ethanol	0.1 - 1 %

California Prop 65 This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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Clean Air Act

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

112-34-5 Diethylene glycol monobutyl ether

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489):

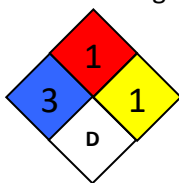
112-34-5 Diethylene glycol monobutyl ether

16. OTHER INFORMATION

HMIS Hazard Rating

HEALTH	3
FLAMMABILITY	1
REACTIVITY	1
PERSONAL PROTECTION	D

NFPA Rating



Date Prepared: November 9, 2021

Last Updated: November 9, 2021

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.