

# SAFETY DATA SHEET

PRECISION LABORATORIES, LLC

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## 1. PRODUCT AND COMPANY IDENTIFICATION

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Product Name:	<b>Duplex™</b>
Supplier:	Precision Laboratories, LLC 1429 S. Shields Drive Waukegan, IL 60085
Product Use:	Soil Surfactant
Emergency telephone number:	(Chemtrec Information 24 hours) (800) 424-9300
Customer Service, call:	(847) 596-3001

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## 2. HAZARDS IDENTIFICATION

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### GHS Classification:

Acute Toxicity, Category 4 (oral), H302

Skin Irritation, Category 2, H315

Eye Irritation, Category 2A, H319



H302, H315

H319

**Signal Word:** Warning

### Hazard Statements:

H302: Harmful if swallowed.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

### 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.

P264: Wash protective equipment and work clothes thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

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

#### 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.

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

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 attention or advice.

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

#### Disposal

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

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## 3. COMPOSITION / INFORMATION ON INGREDIENTS

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<u>Component</u>	<u>CAS Number</u>	<u>Weight %</u>
Primary Alcohol Ethoxylate Surfactant	Proprietary	15%
Alkyl aryl Sulfonate	Proprietary	2%
Carboxylic Acid (Neutralized)	Proprietary	7%

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## 4. FIRST AID MEASURES

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**IF SWALLOWED:** Call a 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:** Wash affected area with plenty of soap and water. Use tepid water if available. If skin irritation occurs: Get medical advice or attention. Treat Symptomatically. 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.

**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:** Repeated or prolonged exposure is not known to aggravate medical condition.

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

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## 5. FIREFIGHTING MEASURES

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**Suitable Extinguishing media:** Water spray (fog), foam, CO<sub>2</sub>, or dry chemicals may be used in areas where this product is stored.  
**Specific Hazards:** None

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

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## 6. ACCIDENTAL RELEASE MEASURES

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**In Case of Spill:** Evacuate the spill area, except for cleanup personnel. Wear personal protective equipment (PPE). 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.

**Disposal:** Dispose of collected waste in accordance with federal, state and local regulations.

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## 7. HANDLING AND STORAGE

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Keep container closed. 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. To avoid fire minimize ignition sources. Product should be stored in a dry place. Partially used containers should be resealed between uses for maximum storage stability.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Component Exposure Limits:** N/D

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

**Skin Protection:** Wear coveralls 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.

**Respiratory Protection:** Not required under normal use conditions with good ventilation. Protect against spray mists.

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

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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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance:	Clear, viscous blue liquid	UEL:	N/D
Odor:	Mild characteristic odor	LEL:	N/D
Odor Threshold:	N/D	Vapor Pressure:	N/D
pH:	4.5±0.5	Vapor Density:	N/D
Melting Point:	N/D	Relative Density (lb/gl):	8.6 ± 0.05
Freezing Point:	N/D	Solubility:	Dispersible in water
Boiling Point:	212°F	Partition Coefficient:	N/D
Flash Point:	N/D	Autoignition Temperature:	N/D
Evaporation Rate:	N/D	Decomposition Temperature:	N/D
Flammability:	N/D		

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## 10. STABILITY AND REACTIVITY

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Stability:	Stable
Possibility of Hazardous Reactions:	Hazardous polymerization will not occur.
Condition to Avoid:	None known.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	Burning may produce oxides of carbon and other substances.

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## 11. TOXICOLOGICAL INFORMATION

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No toxicological data is available for this product.

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## 12. ECOLOGICAL INFORMATION

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No ecological data is available for this product.

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## 13. DISPOSAL CONSIDERATIONS

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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. <b>Dispose of container to disposal plant in accordance with federal, state and local regulations.</b>

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## 14. TRANSPORT INFORMATION

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DOT Status (Highway and rail):	Not Regulated
IATA Status (Air):	Not Regulated
Marine Pollutant:	No

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## 15. REGULATORY INFORMATION

TSCA: All components of this product are listed under the regulation of the Toxic Substance Control Act.

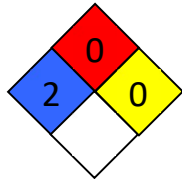
SARA HAZARD: No

## 16. OTHER INFORMATION

HMIS Hazard Rating

HEALTH	2
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	X

NFPA Rating



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**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.