

# SAFETY DATA SHEET

PRECISION LABORATORIES, LLC

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## 1. PRODUCT AND COMPANY IDENTIFICATION

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Product Name: **HS Ultum™**  
Supplier: Precision Laboratories, LLC  
1429 S. Shields Drive  
Waukegan, IL 60085  
Product Use: Adjuvant  
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:

Eye Irritation, Category 2B, H320

**Signal Word:** Warning

### Hazard Statements:

H320: Causes 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.

#### 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.

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

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## 3. COMPOSITION / INFORMATION ON INGREDIENTS

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<u>Component</u>	<u>CAS Number</u>	<u>Weight %</u>
Fatty acids, C16-18 and C18-unsaturated, methyl esters	67762-38-3	50-75
Nonionic/anionic surfactant	Proprietary	25-50

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## 4. FIRST AID MEASURES

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IF SWALLOWED: 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.

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), dry chemical, CO<sub>2</sub> or foam may be used where product is stored.

Specific Hazards: Burning may produce oxides of carbon and sulfur, aldehydes and other substances.

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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: Stop the flow of material, if this is without risk. Wear NIOSH approved respirator and protective equipment as referenced in Section 8. 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. Evacuate the spill area, except for cleanup personnel. This product is classified as an oil under Section 311 of the Clean Water Act. Discharge to surface waters that cause a sheen must be reported to the National Response Center (800-424-8802).

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 away from heat, sparks and flame. Keep container closed. Use only with adequate mechanical exhaust ventilation. To avoid fire minimize ignition sources. Protect product from freezing. If product freezes, warm to room temperature and agitate before use. Keep containers sealed when not in use. Store in original container only.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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Component Exposure Limits: N/D

Eye/Face Protections: Wear protective eyewear. Contact lenses should not be work when working with chemicals.

Skin Protection: Wear I chemical resistant gloves, long-sleeved shirt, long 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: 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.

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:	Amber colored, oily liquid	UEL:	N/D
Odor:	Bland	LEL:	N/D
Odor Threshold:	N/D	Vapor Pressure:	N/D
pH (1% in distilled water):	4.5	Vapor Density:	N/D
Melting Point:	N/D	Relative Density:	7.77 lbs/gallon
Freezing Point:	N/D	Solubility in water:	Cloudy emulsion
Boiling Point:	250°F	Partition Coefficient:	N/D
Flash Point:	>200°F	Autoignition Temperature:	N/D
Evaporation Rate:	N/D	Decomposition Temperature:	N/D
Flammability:	Noncombustible		

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## 10. STABILITY AND REACTIVITY

Stability:	Stable
Possibility of Hazardous Reactions:	Hazardous polymerization will not occur.
Condition to Avoid:	Freezing or other extreme temperatures.
Incompatible Materials:	Strong oxidants such as liquid chlorine, sodium hypochlorite (explosion hazard).
Hazardous Decomposition Products:	Burning may produce oxides of carbon and sulfur, aldehydes and other substances.

## 11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity:	LD <sub>50</sub> >5,000 mg/kg (albino rats)
Acute Eye Irritation:	Minimally irritating (albino rabbits)
Acute Dermal Irritation:	Non-irritating (albino rabbits)
Acute Dermal Toxicity:	LD <sub>50</sub> > 5,050 mg/kg (albino rats)
Acute Inhalation:	N/D
Component Carcinogenicity:	None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

## 12. ECOLOGICAL INFORMATION

Component Analysis - Aquatic Toxicity  
Fatty acids, C16-18 and C18-unsaturated, methyl esters (67762-38-3).

Test & Species	Conditions
48 Hr LC <sub>50</sub> Leuciscus idus	5,500 mg/L [static]

## 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 of 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.

## 14. TRANSPORT INFORMATION

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

## 15. REGULATORY INFORMATION

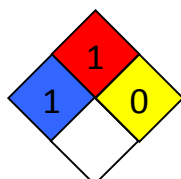
TSCA: All components of this product are listed under the regulation of the Toxic Substance Control Act.  
SARA HAZARD: No

## 16. OTHER INFORMATION

HMIS Hazard Rating

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	X

NFPA Rating



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PRECISION LABORATORIES, LLC

Date Prepared: May 5, 2016

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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.