

MATERIAL SAFETY DATA SHEET
PRECISION LABORATORIES, LLC

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Kixyt™**
Supplier: PRECISION LABORATORIES, LLC
1429 S. SHIELDS DRIVE
WAUKEGAN, IL 60085

Emergency telephone number: (Chemtrec Information 24 hours) (800) 424-9300
For MSDS, Product Safety, or Regulatory inquiries, call: (847) 596-3001
Customer Service, call: (800) 323-6280

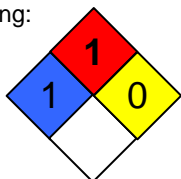
2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>% By Wt.</u>
Fatty acids, C16-18 and C18-unsaturated, methyl esters	67762-38-3			50-75
Nonionic/anionic surfactant	Proprietary			25-50

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

NFPA Hazard Rating:



HMIS Hazard Rating:

0 Health
0 Fire
0 HMIS Reactivity

Primary Routes of Exposure:

Eyes: **No**

Skin: **Yes**

Oral: **Yes**

Inhalation: **No**

Signs and Symptoms of Exposure:

Eye contact: Prolonged contact may cause irritation or injury.

Skin contact: May cause irritation.

Inhalation: Aspiration during vomiting may cause lung injury.

Ingestion: May cause nausea, vomiting, CNS depression, pneumonitis or pulmonary edema.

4. FIRST AID MEASURES

FIRST AID MEASURES FOR ACCIDENTAL EXPOSURE

Eye Exposure: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

Skin Exposure: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center for doctor treatment advice.

Inhalation: Move individual to fresh air. If not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Ingestion: Call a poison control center or doctor immediately for treatment advice. 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.

5. FIRE-FIGHTING MEASURES

FIRE HAZARD DATA:

Flammability: Noncombustible.

LEL: N/D

UEL: N/D

Auto-ignition temperature: N/D

Flash Point: >200°F

Hazardous Decomposition Products of Combustion:

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

Extinguishing Media:

Water spray (fog), dry chemical, CO₂ or foam may be used where product is stored.

Special Fire Fighting Procedures:

Firefighters should wear full protective gear.

Additional Fire and Explosive Data:

None.

MATERIAL SAFETY DATA SHEET

PRECISION LABORATORIES, LLC



Updated: March 18, 2013

Page 2 of 3

Product Name: KIXYT - High Surfactant MSO Concentrate

6. ACCIDENTAL RELEASE MEASURES

Containment Procedures:	Stop the flow of material, if this is without risk.
Clean-Up Procedures:	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. See Section 13 for disposal considerations.
Evacuation Procedures:	Evacuate the spill area, except for cleanup personnel.
Special Procedures:	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).

7. HANDLING AND STORAGE

Handling Procedures:	Keep away from heat, sparks and flame. Keep container closed. Use only with adequate mechanical exhaust ventilation. To avoid fire minimize ignition sources.
Storage Procedures:	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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits:	ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.
Engineering Controls:	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/Face Protection:	Wear protective eyewear. Contact lenses should not be worn when working with chemicals.
Skin Protection:	Wear long-sleeved shirt and short pants, socks, chemical-resistant footwear and barrier laminate, neoprene rubber, nitrile rubber or Viton® gloves 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:	Eye wash fountains and drench showers should be located within 100 feet or a 10 second walk or the work area per ANSI recommendations.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Appearance & Odor:	Amber colored, oily liquid with characteristic odor.
Boiling Point:	250°F
pH:	7.7
Specific Gravity:	7.830 lb./gal.
Solubility in Water:	Emulsifiable.

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable.
Incompatibility:	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.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Freezing or other extreme temperatures.

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity:	LD50: >5,000 mg/kg (albino rats)
Acute Eye Irritation:	Minimally irritating (albino rabbits)
Acute Dermal Irritation:	Non-irritating (albino rabbits)
Acute Dermal Toxicity:	LD50 > 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.

MATERIAL SAFETY DATA SHEET

PRECISION LABORATORIES, LLC



Updated: March 18, 2013

Page 3 of 3

Product Name: KIXYT - High Surfactant MSO Concentrate

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Component Analysis - Aquatic Toxicity	
	Fatty acids, C16-18 and C18-unsaturated, methyl esters (67762-38-3).	
	<u>Test & Species</u>	<u>Conditions</u>
	48 Hr LC50 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:	Do not reuse empty container as it may contain product residue. Rinse container thoroughly prior to disposal. Dispose of rinsate and container in accordance with local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT Status (Highway and rail):	Not regulated.
IATA Status (Air):	N/D

15. REGULATORY INFORMATION

SARA HAZARD:	None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).
State:	None of this product's components are listed on the state lists from CA, MA, MN, NJ, PA, or RI.
WHMIS:	No components are listed in the WHMIS IDL.

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.