

MATERIAL SAFETY DATA SHEET

Updated: December 4, 2012

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **SYNTRYX™**
Supplier: PRECISION LABORATORIES
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. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Emergency Overview: **WARNING!**
VERY TOXIC TO AQUATIC ORGANISMS.
MAY BE HARMFUL IF SWALLOWED.
MAY BE HARMFUL TO ENVIRONMENT IF RELEASED IN LARGE AMOUNTS.

Primary Routes of Exposure:

Eyes: **Yes** Skin: **Yes** Oral: **Yes** Inhalation: **Yes**

Signs and Symptoms of Exposure:

Eye contact: This product will mildly irritate human eyes. Prolonged and repeated contact of concentrated product will cause irritation and reddening.

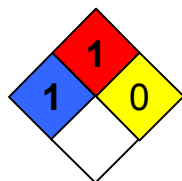
Skin contact: Under normal circumstances not considered to be a skin irritant. Prolonged or repeated skin contact can result in irritation.

Inhalation: Respiratory irritation is associated with the inhalation of this product.

Ingestion: May result in nausea, abdominal discomfort, vomiting and mucosal irritation.
VERY TOXIC TO AQUATIC ORGANISMS.
MAY BE HARMFUL IF SWALLOWED.
MAY BE HARMFUL TO ENVIRONMENT IF RELEASED IN LARGE AMOUNTS.

NFPA Hazard Rating:

HMIS Hazard Rating:



1 Health
1 Fire
0 HMIS Reactivity



3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>% By Wt.</u>
Proprietary Pigment	N/A			30%
Proprietary Surfactant	N/A			12%

4. FIRST AID MEASURES

FIRST AID MEASURES FOR ACCIDENTAL EXPOSURE

Eye Exposure: Remove contact lenses if present. Immediately wash eyes with large amounts of water for at least 30 minutes, lifting the lower and upper lids. Seek medical attention immediately.

Skin Exposure: Remove contaminated clothing and immediately wash contaminated area with soap and water for at least 15 minutes. Seek medical attention if irritation, itching or reddening occurs.

Inhalation: Move person to fresh air. If person is having difficulty breathing, give oxygen. If not breathing, give artificial respiration. Get emergency medical help immediately.

Ingestion: **Do not induce vomiting unless directed to do so by medical personnel.** Never give fluids or force vomiting if the person is unconscious, is having convulsions or has no gag reflex. If person is conscious, give one or two glasses of water and seek medical attention immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Medical Conditions Aggravated by Overexposure: No information was found in connection with medical conditions aggravated by exposure. This product is not a carcinogen by NTP, OSH and ACGIH.

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5. FIRE-FIGHTING MEASURES

FIRE HAZARD DATA:

Flammability: May be combustible at high temperatures **LEL:** **UEL:** **Flash Point:** N/D

Auto-ignition temperature: The lowest known value is >150 degrees C (302 degrees F)

Hazardous Decomposition Products of Combustion: Burning organic pigments may emit noxious fumes which may include carbon monoxide, carbon dioxide, nitrous oxides and other toxic fumes.

Extinguishing Media: Small Fire: Use DRY chemical powder.
Large Fire: Use water spray, fog or foam. Do not use water jet.

Special Fire Fighting Procedures: Self-contained breathing apparatus and full protective equipment

Additional Fire and Explosive Data: None known

6. ACCIDENTAL RELEASE MEASURES

Containment Procedures: Stop the flow of material, if this is without risk.

Clean-Up Procedures: Always wear personal protective equipment when remediating spills and leaks.
For a small spill, Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

For a large spill, Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

RCRA Hazard Waste: No

Evacuation Procedures: Isolate area. Keep unnecessary personnel away.

Special Procedures: None

7. HANDLING AND STORAGE

Handling Procedures: Avoid contact with skin, eyes and clothing. Avoid breathing vapors. Wash thoroughly after handling product. Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. To avoid fire minimize ignition sources.

Storage Procedures: Keep containers in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Do not allow to freeze.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Component Exposure Limits: N/D

Engineering Controls: N/D

Eye/Face Protection: Safety glasses or goggles. Contact lenses should not be worn when working with chemicals.

Skin Protection: Wear impermeable gloves, rubber apron, coveralls and boots to minimize skin contact. As precautions, wash hands and face with mild soap and water before eating, drinking, smoking or using the toilet. After each shift, clean all protective equipment, wash work clothes, and shower

Respiratory Protection: Use local ventilation to control odor.

General Protection: Eye wash fountains and drench showers should be located within 100 feet or a 10 second walk of the work area per ANSI Z358.1-1990.

Personal Protection in Case of Large Spill: Splash Goggles, Full Suit, Boots and Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Appearance & Odor: Green liquid, mild odor

Boiling Point: >212° F

pH: 7.3 – 7.7 (10% slurry)

Specific Gravity: 1.07

Solubility in Water: Soluble

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10. STABILITY AND REACTIVITY

Chemical Stability: Stable
Incompatibility: Strong acids and oxidizing agents
Hazardous Decomposition Products: Burning organic pigments may emit noxious fumes with may include carbon monoxide, carbon dioxide, nitrous oxides and other toxic fumes.
Hazardous Polymerization: Will not occur
Conditions to Avoid: N/D

11. TOXICOLOGICAL INFORMATION

Proprietary Pigment:

Acute Oral Toxicity: LD50 >5,000 mg/kg
Acute Eye Irritation: N/D
Acute Dermal Irritation: N/D
Acute Dermal Toxicity: N/D
Acute Inhalation: N/D
Component Carcinogenicity: N/D

Proprietary Surfactant:

Acute Oral Toxicity: LD50 740 mg/kg
Acute Eye Irritation: Non-irritating to the eyes.
Acute Dermal Irritation: Practically non-toxic in contact with skin. Non-irritating to the skin.
Acute Dermal Toxicity: LD50 >2000 mg/kg
Acute Inhalation: N/D
Component Carcinogenicity: Classified None by NIOSH

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Proprietary Pigment: N/D

Proprietary Surfactant:	Species	Period	Result
	Zebra fish based on data for: (similar material) (LC50)	96 hours	0.55 mg/l
	Zebra fish based on data for: (similar material) (LC50)	96 hours	1.34 mg/l
	Zebra fish based on data for: (similar material) (LC50)	96 hours	2.21 mg/l
	Zebra fish based on data for: (similar material) (LC50)	96 hours	0.32 mg/l
	Zebra fish based on data for: (similar material) (LC50)	96 hours	1 mg/l

Biodegradability and Ecotoxicity Remarks: 13% @ 28 day(s); 52% @ 269 day(s) CBT based on data for: (similar material)

Biodegradable/OECD: Inherently biodegradable.

Products of Degradation: These products are carbon oxides (CO, CO₂) and water.

13. TRANSPORT INFORMATION

DOT Status (Highway and rail): Not regulated

IATA-DGR Status (Air): UN 3082

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alkoxylated fatty amines).

Class: 9

Packing Group: III

IMDG Status: UN 3082

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkoxylated fatty amines).

Marine pollutant (Alkoxylated fatty amines)

Class: 9

Packing Group: III

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14. REGULATORY INFORMATION

SARA HAZARD: No

State:

WHMIS:

15. OTHER INFORMATION

Prepared: December 4, 2012

Revised:

WHILE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN ARE BELIEVED TO BE ACCURATE AS OF THE DATE HEREON, PRECISION LABORATORIES, INC., 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.