

SAFETY DATA SHEET

PRECISION LABORATORIES, LLC

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Alypso™**
Supplier: PRECISION LABORATORIES, LLC
1429 S. SHIELDS DRIVE
WAUKEGAN, IL 60085
Product Use: Surfactant
Emergency telephone number: (Chemtrec Information 24 hours) (800) 424-9300
Customer Service, call: (847) 596-3001

2. HAZARDS IDENTIFICATION

GHS Classification: None

Signal Word: None

Hazard Statements: None

Precautionary Statements:

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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| <u>Component</u> | <u>CAS Number</u> | <u>Weight %</u> |
|------------------|-------------------|-----------------|
| Mixture | Proprietary | 100% |

4. FIRST AID MEASURES

IF SWALLOWED: Do not induce vomiting in order to avoid formation of foam, which can reach respiratory tract. If vomiting is necessary, give an antifoam (dimethicone). Seek medical advice.

IF ON SKIN: Wash with plenty of water and soap.

IF INHALED: Remove person to fresh air and keep warm and at rest.

IF IN EYES: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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, carbon dioxide, foam, dry chemicals.

Specific Hazards: Do not inhale explosion and combustion gases.

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

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: Do not allow neat product to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand.

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

7. HANDLING AND STORAGE

Avoid contact with skin and eyes, inhalation of vapors and mists. Do not eat or drink while working. Store at room temperature and protect from frost.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|----------------------------|---|
| Component Exposure Limits: | N/D |
| Eye/Face Protections: | Wear protective eyewear. Contact lenses should not be work when working with chemicals. |
| Skin Protection: | Wear long sleeved shirt, long pants, boots and 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: | None required where adequate ventilation conditions exist. If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection. |
| 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. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-------------------|-------------|----------------------------|----------------------|
| Appearance: | Liquid | UEL: | N/D |
| Odor: | Slight odor | LEL: | N/D |
| Odor Threshold: | N/D | Vapor Pressure: | N/D |
| pH: | 4.5 – 6.5 | Vapor Density: | N/D |
| Melting Point: | N/D | Relative Density: | 1.05 g/ml |
| Freezing Point: | N/D | Solubility: | Dispersible in water |
| 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/D | | |

10. STABILITY AND REACTIVITY

| | |
|-------------------------------------|---|
| Stability: | Stable |
| Possibility of Hazardous Reactions: | Hazardous polymerization will not occur |
| Condition to Avoid: | Not known |
| Incompatible Materials: | Not known |
| Hazardous Decomposition Products: | Not known |

11. TOXICOLOGICAL INFORMATION

| | |
|----------------------------|---|
| Acute Oral Toxicity: | LD ₅₀ > 5,000 mg/kg |
| Acute Eye Irritation: | Non-irritating |
| Acute Dermal Irritation: | Non-irritating |
| Acute Dermal Toxicity: | LD ₅₀ > 5,050 mg/kg |
| Acute Inhalation: | Not an inhalation hazard under normal conditions of use at room temperature. |
| Component Carcinogenicity: | None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP. |

12. ECOLOGICAL INFORMATION

| | |
|-------------------------------|--|
| Aquatic toxicity- crustacean: | EC50 (Test 48h) (Daphnia magna): 10 mg/L < EC50 < 100 mg/L. (OECD 202 method). |
| Biodegradability: | > 60% (OECD 301 D method) Readily biodegradable. |

13. DISPOSAL CONSIDERATIONS

| | |
|--------------------------|--|
| Component Waste Numbers: | No EPA Waste Numbers are applicable for this product's components. |
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Disposal Instructions: All wastes must be handled in accordance with local, state and federal regulations. See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

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 container in accordance with local, state and federal regulations.

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

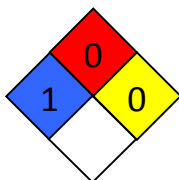
TSCA: All components of this product are listed under the regulation of the Toxic Substance Control Act.
SARA HAZARD: No

16. OTHER INFORMATION

HMIS Hazard Rating

| | |
|---------------------|---|
| HEALTH | 1 |
| FLAMMABILITY | 0 |
| REACTIVITY | 0 |
| PERSONAL PROTECTION | X |

NFPA Rating



Last Updated: November 12, 2014
Date Prepared: October 30, 2013

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.