

MATERIAL SAFETY DATA SHEET

Precision Laboratories, Inc.



Updated 11/20/07

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Product Name: **PEN-A-TRATE II™ - NONIONIC SURFACTANT**

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: PEN-A-TRATE II™ - NONIONIC SURFACTANT
Supplier: PRECISION LABORATORIES, INC.
1429 S. SHIELDS DRIVE
WAUKEGAN, IL 60085

Emergency telephone number: (Chemtrec Information 24 hours) 1-800-323-8351
For MSDS, Product Safety, or
Regulatory inquiries, call: (847) 596-3001

2. COMPOSITION / INFORMATION ON INGREDIENTS

| Component | CAS# | OSHA PEL | ACGIH TLV | % by Wt. |
|----------------------------|-----------|-------------|--------------|-------------|
| Alkyl Polyethoxylate Ether | 9016-45-9 | | | |

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: NONE

HMIS Hazard Rating:

1 Health Hazard Rating
0 Flammability Rating
0 Reactivity Rating
X Personal Protection

Primary Routes of Exposure:

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

Signs and Symptoms of Exposure:

Eye contact: Will cause irritation and reddening.
Skin contact: Will cause irritation and reddening.
Inhalation: Minimally irritating.
Ingestion: Not likely route of entry, May be fatal if swallowed.

4. FIRST AID MEASURES

FIRST AID MEASURES FOR ACCIDENTAL:

Eye Exposure: Check for and remove contact lenses. Immediately flush eyes with water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.

Skin Exposure: Wash effected area with plenty of soap and water. Cold water may be used. Get medical attention if irritation develops.

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. Give never give fluids or force vomiting if the person is unconscious, is having convulsions or has no gag reflex. If large quantities are swallowed, get emergency medical help immediately.

Medical Conditions Aggravated by Overexposure: Repeated or prolonged exposure is not known to aggravate medical condition.

5. FIRE-FIGHTING MEASURES

FIRE HAZARD DATA:

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Product Name: **PEN-A-TRATE II™ - NONIONIC SURFACTANT**

Flammability: N/E **LEL:** N/E **UEL:** N/E

Auto-ignition temperature: N/E

Flash Point: None to boiling

Extinguishing Media: Product is noncombustible. Water Spray, Fog, Dry Chemical, Foam or CO²

Special Fire Fighting Procedures: Wear self-contained breathing apparatus. Use water to keep containers cool. Water or foam may cause frothing.

Additional Fire and Explosive Data: None

6. ACCIDENTAL RELEASE MEASURES

Soak up with an inert absorbent. Dispose of in accordance with local, state and federal regulations. Discarded product is not an RCRA hazardous waste under 40 CFR 261.

7. HANDLING AND STORAGE

Precautions to be Taken in Handling & Storage: Do not store near feed or food. Do not take internally. Do not reuse, distribute, make available, or furnish container except for storage or shipment of original product. Dispose of containers in accordance with local, state and federal regulations.

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.

Eye Protection: Wear chemical goggles. Do not wear contact lenses.

Skin Protection: Gloves resistant to chemicals is recommended. May need apron, arm covers, or full body liquid-proof suit if potential for prolonged or repeated contact with liquid.

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

Other Protection: Keep vapor concentration below 50ppm, General dilution recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Appearance & Odor: Hazy, colorless liquid with characteristic odor.

Boiling Point: >212° F.

pH: 7.5

Solubility in Water: Complete

10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Incompatibility: Chlorine and hypochlorites; strong oxidizing material.

Hazardous Decomposition Products: Ammonia and oxides of nitrogen. Heating in air may produce irritating aldehydes, acids and ketones. May form carbon dioxide and carbon monoxide.

Hazardous Polymerization: Will not occur

Conditions to Avoid: Freezing or other extreme temperatures.

11. TOXICOLOGICAL INFORMATION

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No toxicological data is available for this product.

12. ECOLOGICAL INFORMATION

No ecological data is available for this product.

13. DISPOSAL CONSIDERATIONS

Disposal Methods:

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 be not 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): N/E

IATA Status (Air): N/E

15. REGULATORY INFORMATION

Sara Title III, 40 CFR 355, Extremely Hazardous Substances – None; 40 CFR Part 370, Hazardous Chemical Reporting – Applicable. EPA Hazard Categories: Immediate Health – Yes; Delayed Health – No; Fire – No; Sudden Pressure Release – No; Reactive – No; 40 CFR 372, Toxic Chemicals, Ammonium Nitrate, Case No. 6484-52-2, 32%.

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/E – Not Established