

MATERIAL SAFETY DATA SHEET



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DATE PREPARED: 12/04/2004
MSDS No:261100
AMPHOTERIC L

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: AMPHOTERIC L
Product Description: Amphoteric surfactant

MANUFACTURER:

TOMAH Products
1012 Terra Drive
P. O. Box 388
Milton, WI 53563
Customer Service: (608) 868-6811

24 HR. EMERGENCY TELEPHONE

NUMBERS:
CHEMTREC (800) 424-9300
Emergency Phone (608) 868-6811

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	wt%	CAS Registry #
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-cocoacyl derivs, chlorides, sodium salts	35%	61789-39-7
Water	60%	7732-18-5
Glycerine	3%	56-81-5
Sodium Chloride	2%	7647-14-5

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

EXPOSURE LIMITS

Component	OSHA PEL	ACGIH TLV	Supplier
Amphoteric Surfactant	None Established	None Established	
Glycerine	10 mg/m ³ (mist)	10 mg/m ³ (mist)	

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS:

- Caution!
- Causes eye irritation
- May cause skin irritation
- May cause respiratory tract irritation

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POTENTIAL HEALTH EFFECTS

EYES:

Irritating to eyes

SKIN:

May cause irritation to skin

INGESTION:

Irritating to mouth, esophagus and stomach. Low order of toxicity.

INHALATION:

Irritating to eyes and respiratory tract in high concentrations.

4. FIRST AID MEASURES

EYES:

Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Get prompt medical attention.

SKIN:

Immediately flush with large amounts of water for at least 15 minutes; use soap if available. Remove contaminated clothing, including shoes, after flushing has begun.

If irritation persists, seek medical attention.

INGESTION:

DO NOT induce vomiting unless under the direction of a physician. If individual is conscious, give milk or water to dilute stomach contents. Keep warm and quiet. Get prompt medical attention. DO NOT attempt to give anything by mouth to an unconscious person.

INHALATION:

Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

5. FIRE FIGHTING MEASURES

Flashpoint and Method: >212°F Penskey-Marten CC

HAZARDOUS COMBUSTION PRODUCTS:

Carbon Monoxide, Carbon Dioxide oxides of Nitrogen

FIRE FIGHTING PROCEDURES:

Use water spray to cool fire exposed surfaces and to protect personnel. Isolate "fuel" supply from fire.

Use alcohol type foam, universal foam, dry chemical or water spray to extinguish fire.

FLAMMABLE LIMIT:

Not available

FIRE EXPLOSION:

Low Hazard, liquid can burn upon heating to temperatures at or above the flashpoint.

"Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH

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CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly re- turned to a drum reconditioner, or properly disposed of.
SENSITIVE TO STATIC DISCHARGE:
No, but use proper grounding procedure

6. ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS:

WATER SPILL:

Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

LAND SPILL:

Eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without hazard. For small spills implement cleanup procedures; for large spills implement cleanup procedures and, if in public area, keep public away and advise authorities. Also, if this product is subject to CERCLA reporting (see Section15) notify the National Response Center.

Prevent liquid from entering sewers, watercourses, or low areas. Contain spilled liquid with sand or earth.

Recover by pumping or with a suitable absorbent.

Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations. Surfaces may become slippery when spilled.

7. HANDLING AND STORAGE

GENERAL PROCEDURES:

Keep container closed. Handle and open containers with care. Store in a cool, well ventilated place away from incompatible materials.

Do NOT handle or store near an open flame, heat or other sources of ignition. Protect material from direct sunlight.

This material is not a static accumulator, but use proper grounding procedures.

Do NOT pressurize, cut, heat, or weld containers. Empty product containers may contain product residue. Do NOT reuse empty containers without commercial cleaning or reconditioning.

Storage Temperature: 120°F maximum

Loading Temperature: 50°F minimum to 150°F maximum

Loading/Unloading Viscosity: 50.00 to 150.00 cst

ELECTROSTATIC ACCUMULATION HAZARD:

No, but use proper grounding procedure

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Ventilation should be provided to control worker exposures and prevent health risk.

PERSONAL PROTECTION:

WORK HYGIENIC PRACTICES:

For open systems where contact is likely, wear long sleeves, chemical resistant gloves, and chemical goggles.

Where contact may occur, wear long sleeves and safety glasses with side shields.

Where overexposure by inhalation may occur and engineering, work practice or other means of exposure reduction are not adequate, approved respirators may be necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Odor:	Mild odor
Appearance:	Amber liquid
Boiling Point:	210.00°F
Solubility in Water:	Soluble
Pour Point	30 F (0 C)
Specific Gravity:	1.04 g/ml at 68.0°F
Vapor Pressure:	20 mm Hg @ 68° F
Viscosity:	150 CST at 68°F

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY:

Not applicable

POLYMERIZATION:

Not applicable

CONDITIONS TO AVOID:

Avoid contact with strong acids and strong oxidizing agents.

HAZARDOUS DECOMPOSITION:

Low molecular weight hydrocarbons, ammonia, polyacrylates and acrylic acid

INCOMPATIBLE MATERIALS:

Carbon steel

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11. TOXICOLOGICAL INFORMATION

ORAL TOXICITY

Based on data for similar products this product is expected to have oral toxicity of greater than 5,000 mg/kg (rat)

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE:

This product is expected to be considered readily biodegradable based on OECD protocol 301 F or 301 B.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:

Dispose of in accordance with federal, state and local regulations.
If this product was disposed of it would not be classified as a hazardous waste under RCRA regulation

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

Proper Shipping Name: Not regulated

INTERNATIONAL (I.M.O.)

Proper Shipping Name: Not regulated

ADR/RID Hazard Classification: None

AIR (I.C.A.O.)

Proper Shipping Name: Not regulated

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 Hazard Categories: Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act (SARA) this product is classified into the hazards listed below:

Fire: No Pressure Generating: No Reactivity: No Acute: Yes Chronic: No

313 Reportable Ingredients: This product does not contain any ingredients reportable under Section 313.

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CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)
If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). We recommend you contact local authorities to determine if there may be other local reporting requirements.

TSCA (TOXIC SUBSTANCE CONTROL ACT)
TSCA Status: Components of this product are listed on the TSCA Inventory

INTERNATIONAL

EC Symbols (Labelling)	Xi
EC Risk Phrases	R36 Irritating to eyes R52 Harmful to aquatic life
EC Safety Phrases	S24 Avoid contact with eyes S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S27/28 After contact with skin, take off immediately all contaminated clothing and wash immediately with plenty of soap and water S36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

WHIMIS: Class D-2B Materials causing other toxic effects

This product is listed on the following international inventories:

- US TSCA
- Canadian DSL
- European EINECS 263-057-2
- Australian

16. OTHER INFORMATION

Approval date: 12.04.2004

NFPA CODES

Fire: 1 Health: 2 Reactivity: 0

HMIS CODES

Fire: 1 Health: 2 Reactivity: 0

MANUFACTURER DISCLAIMER:

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no

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