

Issue Date 08-Aug-2011

Revision/Review Date: 04-Jul-2023

Version 1.1

1. IDENTIFICATION

Product Identifier

Product Name Maxim Liquid Enzyme Presoak

Other Means of Identification

Product Code 311500

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Dishwashing pretreatment. For industrial and institutional use.

Details of the Supplier of the Safety Data Sheet

Midlab, Inc.
140 Private Brand Way
Athens, TN 37303

Emergency Telephone Number

Company Phone Number Phone: 1-423-337-3180
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Blue Green

Physical State Liquid

Odor None

Classification

| | |
|-----------------------------------|---------------------------|
| Serious Eye Damage/Eye Irritation | Category 2 Sub-Category B |
| Aspiration Hazard | Category 2 |

Signal Word

Warning



Hazard Statements

Causes eye irritation.
Maybe harmful if swallowed and enters airways.

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling.

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
Do NOT induce vomiting.

Precautionary Statements - Storage

Store locked up.

Precautionary Statements - Disposal

Dispose of contents/container in accordance with local, regional, or national regulations.

Other Hazards

None known.

Unknown Acute Toxicity

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|------------------------------|------------|----------|
| Propylene Glycol | 57-55-6 | 15-40 |
| Sodium Borate | 12179-04-3 | 1-5 |
| Alcohols, C9-11, Ethoxylated | 68439-46-3 | 1-5 |

**If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret. **

4. FIRST-AID MEASURES

First Aid Measures

| | |
|---------------------|---|
| Eye Contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If irritation develops or persists, seek medical attention. |
| Skin Contact | Wash off immediately with plenty of water for at least 15 minutes. |
| Inhalation | Remove to fresh air. Inhalation of enzyme mist may cause allergic respiratory reactions, including asthma, in susceptible individuals on repeated exposure. |
| Ingestion | Clean mouth with water and drink afterwards plenty of water. If any discomfort persists, obtain medical attention. |

Most Important Symptoms and Effects

| | |
|-----------------|---|
| Symptoms | Prolonged or repeated exposure can remove natural skin oils and may produce irritation. Persons with pre-existing eye, skin, or respiratory conditions might be more sensitive. |
|-----------------|---|

Indication of Any Immediate Medical Attention and Special Treatment Needed

| | |
|---------------------------|---|
| Notes to Physician | Treat symptomatically. May aggravate pre-existing skin disorders. |
|---------------------------|---|

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray (fog). Carbon dioxide (CO₂). Water. Foam.

Unsuitable Extinguishing Media

Not determined.

Specific Hazards Arising from the Chemical

None known.

Hazardous Combustion Products

Normal products of combustion.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

| | |
|----------------------------------|--|
| Personal Precautions | Wear protective clothing as described in Section 8 of this safety data sheet. |
| Environmental Precautions | Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13, Disposal Considerations, for additional information. See Section 12 for additional Ecological Information. |

Methods and Material for Containment and Cleaning Up

Methods for Containment Prevent from spreading or entering drains, ditches, or rivers by using sand, earth, or other appropriate barriers.

Methods for Clean-Up Contain and collect with an inert absorbent and place into an appropriate container for disposal. Rinse area with clean water and dry before permitting traffic.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. For industrial and commercial use only. Avoid contact with skin, eyes, or clothing.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions Keep container tightly closed and store in a cool, dry and well-ventilated place. Protect from freezing. Keep out of the reach of children.

Incompatible Materials Strong acids and oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|--|--------------------|--|------------|
| Sodium Borate (particles not otherwise regulated) 12179-04-3 | 2mg/m ³ | Total Dust: 15mg/m ³ Respirable Fraction: 5mg/m ³ | - |

Appropriate Engineering Controls

Engineering Controls Ensure adequate ventilation, especially in confined areas. Good general room ventilation should be adequate under normal conditions.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection Eye protection should be used when splashing may occur.

Skin and Body Protection Wear protective gloves when handling this product.

Respiratory Protection Under normal conditions, respirator is not normally required.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

| | | | |
|-----------------------|------------|-----------------------|----------------|
| Physical State | Liquid | Odor | None |
| Appearance | Clear | Odor Threshold | Not determined |
| Color | Blue Green | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|------------------------------|-----------------------|-------------------------|
| pH (concentrate) | 10.0-10.5 | |
| Melting Point/Freezing Point | Approximately 32°F | |
| Boiling Point/Boiling Range | Approximately 212°F | |
| Flash Point | Not applicable | |
| Evaporation Rate | Not determined | |
| Flammability (Solid, Gas) | Liquid-not applicable | |
| Upper Flammability Limits | Not applicable | |
| Lower Flammability Limit | Not applicable | |

| | |
|-------------------------------------|--------------------|
| Vapor Pressure | Not determined |
| Vapor Density | Not determined |
| Specific Gravity | 1.03 |
| Water Solubility | Completely soluble |
| Solubility in other solvents | Not determined |
| Partition Coefficient | Not determined |
| Auto-ignition Temperature | Not determined |
| Decomposition Temperature | Not determined |
| Kinematic Viscosity | Not determined |
| Dynamic Viscosity | Not determined |
| Explosive Properties | Not an explosive |
| Oxidizing Properties | Not determined |

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

Keep out of reach of children. Avoid excessive heat. Keep from freezing.

Incompatible Materials

Avoid contact with strong acids, oxidizing agents.

Hazardous Decomposition Products

Thermal decomposition may produce oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

| | |
|---------------------|----------------------------------|
| Eye Contact | Avoid contact with eyes. |
| Skin Contact | Avoid contact with skin. |
| Inhalation | Avoid breathing vapors or mists. |
| Ingestion | Do not taste or swallow. |

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--|-------------------|----------------------|-----------------|
| Propylene Glycol 57-55-6 | 22000 mg/kg (Rat) | 21000 mg/kg (Rabbit) | - |
| Sodium Borate 12179-04-3 | >3200 mg/kg (Rat) | - | - |
| Alcohols, C9-11, Ethoxylated 68439-46-3 | 1400 mg/kg (Rat) | - | - |

Information on Physical, Chemical and Toxicological Effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure**Carcinogenicity**

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical Measures of Toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Component Information

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|--|---------------------------|--|----------------------------|-----------------------------|
| Propylene Glycol 57-55-6 | 19000mg/L (72hr) Algae | 51400mg/L (96hr) Fathead minnow | - | 18340mg/L (48hr) Daphnia |
| Sodium Borate 12179-04-3 | - | 40mg/mL (96hr) Coho salmon (seawater) | - | 133mg/L (48hr) Daphnia |
| Alcohols, C9-11, Ethoxylated 68439-46-3 | 0.95mg/L Algae | 6mg/L (96hr) Fathead minnow | - | 2.5mg/L (48hr) Daphnia |

Persistence/Degradability

Not expected to persist.

Bioaccumulation

Not expected to bioaccumulate.

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods**Disposal of Wastes**

Disposal should be in accordance with applicable regional, national, and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national, and local laws and regulations.

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

Not regulated. (NOI Non-Hazardous)

IATA

Not regulated.

IMDG

Not regulated.

15. REGULATORY INFORMATION

International Inventories

All ingredients are listed or exempt.
 All ingredients are listed or exempt.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

CERCLA

None Listed

SARA 311/312 Hazard Categories

Immediate (Acute) Health.

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (Clean Water Act)

None known.

US State Regulations

None known.

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

The following ingredients appear on various state right to know lists and/or California's Proposition 65 List:

| Chemical Name | State List |
|-----------------------------|------------|
| Propylene Glycol 57-55-6 | PA |

AZ- Arizona Ambient Air Quality Guidelines

CT- Connecticut Hazardous Air Pollutants

CA- California Director's List of Hazardous Substances

CAP65C- California Prop65 Carcinogen

FL- Florida Substances List

ID- Idaho Non-Carcinogen Toxic Air Pollutants

IL- Illinois Toxic Air Contaminant- Carcinogenic

MA- Massachusetts Right to Know List

MN- Minnesota Hazardous Substances List

NJ- New Jersey Right to Know List

PA- Pennsylvania Right to Know List

RI- Rhode Island Hazardous Substances List

16. OTHER INFORMATION

NFPA

Health Hazards

Flammability

Instability

Special Hazards

HMIS

Health Hazards

Flammability

Physical Hazards

Personal Protection

1

0

0

None required

Issue Date

08-Aug-2011

Revision/Review Date:

04-Jul-2023

Revision Note

Version 1.1 Updated Section 3.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Keep Out of Reach of Children. For Industrial and Institutional Use Only.

*Denotes changes from last version.

End of Safety Data Sheet