

Issue Date 08-Aug-2011

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Version 1.3

## 1. IDENTIFICATION

**Product Identifier****Product Name** Maxim Best Rinse Lo-Temp**Other Means of Identification****Product Code** 334600**Recommended Use of the Chemical and Restrictions on Use****Recommended Use** Rinse additive concentrate. For industrial & 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**Physical State** Liquid**Odor** None**Classification**

|                                   |                           |
|-----------------------------------|---------------------------|
| Skin Corrosion/Irritation         | Category 2                |
| Serious Eye Damage/Eye Irritation | Category 2 Sub-category A |

**Signal Word**

Warning

**Hazard Statements**Causes skin irritation.  
Causes serious eye irritation.**Precautionary Statements - Prevention**Wash face, hands and any exposed skin thoroughly after handling.  
Wear glasses or goggles as needed to prevent exposure to eyes.**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 ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.  
SPECIFIC TREATMENT: Remove from exposure and treat symptoms.**Precautionary Statements - Storage**

No other specific measures identified.

**Precautionary Statements - Disposal**

No other specific measures identified.

**Other Hazards**

None known.

**Unknown Acute Toxicity**

None known.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name                             | CAS No     | Weight-% |
|---|------------|----------|
| Alcohol C8-C10, ethoxylated propoxylated  | 68603-25-8 | 10-30    |
| Isopropanol                               | 67-63-0    | 1-5      |
| Ethylene Oxide/Propylene Oxide Co-polymer | 9003-11-6  | 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**

|                     |   |
|---------------------|---|
| <b>Eye Contact</b>  | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If irritation develops or persists seek medical attention. |
| <b>Skin Contact</b> | Wash off immediately with plenty of water for at least 15 minutes.  |
| <b>Inhalation</b>   | Remove to fresh air.  |
| <b>Ingestion</b>    | 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.

**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 (CO<sub>2</sub>). 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.

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** Safety glasses and gloves should be worn when cleaning up spillage. 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 oxidizing agents.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

| Chemical Name          | ACGIH TLV                     | OSHA PEL  | NIOSH IDLH  |
|------------------------|-------------------------------|---|---|
| Isopropanol<br>67-63-0 | STEL: 400 ppm<br>TWA: 200 ppm | TWA: 400 ppm<br>TWA: 980 mg/m <sup>3</sup><br>(vacated) TWA: 400 ppm<br>(vacated) TWA: 980 mg/m <sup>3</sup><br>(vacated) STEL: 500 ppm<br>(vacated) STEL: 1225 mg/m <sup>3</sup> | IDLH: 2000 ppm<br>TWA: 400 ppm<br>TWA: 980 mg/m <sup>3</sup><br>STEL: 500 ppm<br>STEL: 1225 mg/m <sup>3</sup> |

**Appropriate Engineering Controls**

**Engineering Controls** 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**

|                       |        |                       |                |
|-----------------------|--------|-----------------------|----------------|
| <b>Physical State</b> | Liquid | <b>Odor</b>           | None           |
| <b>Appearance</b>     | Clear  | <b>Odor Threshold</b> | Not determined |
| <b>Color</b>          | Blue   |                       |                |

| <u>Property</u>              | <u>Values</u>         | <u>Remarks • Method</u> |
|------------------------------|-----------------------|-------------------------|
| pH (concentrate)             | 6.5 -8.0              |                         |
| 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             | 1.04                  |                         |
| 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**

Strong oxidizing agents.

**Hazardous Decomposition Products**

Thermal decomposition may produce oxides of carbon.

**11. TOXICOLOGICAL INFORMATION**

**Information on Likely Routes of Exposure**

**Product Information**

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

**Component Information**

| Chemical Name  | Oral LD50   | Dermal LD50 | Inhalation LC50 |
|--|-------------|-------------|-----------------|
| Alcohol C8-C10, ethoxylated propoxylated<br>68603-25-8 | > 500 mg/kg | -           | -               |

|  |                    |   |                       |
|--|--------------------|---|-----------------------|
| Isopropanol<br>67-63-0                                 | = 4396 mg/kg (Rat) | = 12800 mg/kg (Rat)<br>= 12870 mg/kg (Rabbit) | = 72.6 mg/L (Rat) 4 h |
| Ethylene Oxide/Propylene Oxide Co-polymer<br>9003-11-6 | >2000 mg/kg (Rat)  | >5000 mg/kg (ATE)                             | -                     |

**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 is not classifiable as a human carcinogen.

| Chemical Name          | ACGIH | IARC    | NTP | OSHA |
|------------------------|-------|---------|-----|------|
| Isopropanol<br>67-63-0 |       | Group 3 |     | X    |

**Legend****IARC (International Agency for Research on Cancer)**

Group 3 IARC components are "not classifiable as human carcinogens"

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

**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                           |
|--|--|--|----------------------------|-------------------------------------|
| Alcohol C8-C10, ethoxylated propoxylated<br>68603-25-8 | -  | -  | -                          | > 100 mg/L Daphnia magna            |
| Isopropanol<br>67-63-0                                 | 1000: 96 h Desmodesmus subspicatus mg/L EC50<br>1000: 72 h Desmodesmus subspicatus mg/L EC50 | 9640: 96 h Pimephales promelas mg/L LC50 flow-through<br>11130: 96 h Pimephales promelas mg/L LC50 static<br>1400000: 96 h Lepomis macrochirus µg/L LC50 | -                          | 13299: 48 h Daphnia magna mg/L EC50 |
| Ethylene Oxide/Propylene Oxide Co-polymer<br>9003-11-6 | 72 h, EC50 .100 mg/L   | 96 h Leuciscus idus, LC50 >100 mg/L  | -                          | -                                   |

**Persistence/Degradability**

Not expected to persist.

**Bioaccumulation**

Not expected to bioaccumulate.

**Mobility**

| Chemical Name          | Partition Coefficient |
|------------------------|-----------------------|
| Isopropanol<br>67-63-0 | 0.05                  |

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods**

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.

**California Hazardous Waste Status**

| Chemical Name          | California Hazardous Waste Status |
|------------------------|-----------------------------------|
| Isopropanol<br>67-63-0 | Toxic<br>Ignitable                |

**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**

|   |                                       |
|---|---------------------------------------|
| Canada – Domestic Substances List (DSL) | All ingredients are listed or exempt. |
| TSCA (Toxic Substances Control Act)     | 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.

**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 |
|------------------------|------------|
| Isopropanol<br>67-63-0 | MA, NJ, PA |

AZ- Arizona Ambient Air Quality Guidelines

CT- Connecticut Hazardous Air Pollutants

CA- California Director's List of Hazardous Substances

CAP65- California Prop65

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

|                              |
|------------------------------|
| <b>16. OTHER INFORMATION</b> |
|------------------------------|

**NFPA****Health Hazards****Flammability****Instability****Special Hazards****HMIS**

Not determined

Not determined

Not determined

Not determined

**Health Hazards****Flammability****Physical Hazards****Personal Protection**

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Glasses, gloves

**Issue Date**

08-Aug-2011

**Revision/Review Date:**

08-Feb-2017

**Revision Note**

Version 1.3 Update 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**