

Issue Date 04-Nov-2013

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Version 1.2

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Maxim Apple Fresh

### Other Means of Identification

**Product Code** 011800

### Recommended use of the Chemical and Restrictions on Use

**Recommended Use** Air deodorizer concentrate. 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** Colorless

**Physical State** Liquid

**Odor** Fresh Green Apple

### Classification

|                                   |            |
|-----------------------------------|------------|
| Serious eye damage/eye irritation | Category 2 |
| Flammable Liquids                 | Category 3 |

### Signal Word

**Warning**

### Hazard Statements

Causes serious eye irritation.  
Flammable liquid and vapor.



### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling.  
Keep container tightly closed and away from heat/sparks/open flames/hot surfaces. — No smoking.  
Ground/bond container and receiving equipment, taking precautionary measures against static discharge.  
Use only non-sparking tools and explosion-proof equipment.  
Wear protective gloves/protective clothing/eye protection/face protection.

### 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 (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
IN CASE OF FIRE: Use CO2, dry chemical, or foam for extinction.

### Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool.

### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

**Other Hazards**

Toxic to aquatic life with long lasting effects.

**Unknown Acute Toxicity**

1.45% of the mixture consists of ingredient(s) of unknown toxicity.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name  | CAS No      | Weight-% |
|----------------|-------------|----------|
| Isopropanol    | 67-63-0     | 7-14     |
| Nonoxynol 4-40 | 127087-87-0 | 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 eye irritation persists: Get medical advice/attention. |
| <b>Skin Contact</b> | If skin irritation occurs, rinse affected area with water.   |
| <b>Inhalation</b>   | No known hazardous effects. If symptoms occur, remove to fresh air.  |
| <b>Ingestion</b>    | Drink plenty of water. If any discomfort persists, obtain medical attention.   |

**Most Important Symptoms and Effects**

|                 |   |
|-----------------|---|
| <b>Symptoms</b> | Prolonged contact may cause painful stinging or burning of eyes and lids, watering of eye, and irritation. Prolonged or repeated skin contact may cause irritation. |
|-----------------|---|

**Indication of Any Immediate Medical Attention and Special Treatment Needed**

|                           |                        |
|---------------------------|------------------------|
| <b>Notes to Physician</b> | Treat symptomatically. |
|---------------------------|------------------------|

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Water spray (fog). Carbon dioxide (CO2). Dry chemical. Alcohol resistant foam.

**Unsuitable Extinguishing Media**

Not determined.

**Specific Hazards Arising from the Chemical**

Flammable.

**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**

|                                  |  |
|----------------------------------|--|
| <b>Personal Precautions</b>      | Use personal protective equipment as required. |
| <b>Environmental Precautions</b> | Avoid release to the environment.              |

**Methods and Material for Containment and Cleaning Up**

|                                |   |
|--------------------------------|---|
| <b>Methods for Containment</b> | Prevent further leakage or spillage if safe to do so.   |
| <b>Methods for Clean-Up</b>    | Collect spillage. Collect in a clean, dry waste container for disposal. After cleaning, flush away traces with water. |

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

|                                |   |
|--------------------------------|---|
| <b>Advice on Safe Handling</b> | Wash thoroughly after handling. Use personal protection recommended in Section 8. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Use spark-proof tools and explosion-proof equipment. Take precautionary measures against static discharges. Avoid contact with eyes. Observe good industrial hygiene practices. |
|--------------------------------|---|

### Conditions for Safe Storage, Including Any Incompatibilities

|                               |   |
|-------------------------------|---|
| <b>Storage Conditions</b>     | Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing. Keep out of the reach of children. |
| <b>Incompatible Materials</b> | None known.   |

## 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

|                             |                      |
|-----------------------------|----------------------|
| <b>Engineering Controls</b> | Ventilation systems. |
|-----------------------------|----------------------|

### Individual Protection Measures, such as Personal Protective Equipment

|                                       |  |
|---------------------------------------|--|
| <b>Eye/Face Protection</b>            | No protective equipment is needed under normal use conditions.         |
| <b>Skin and Body Protection</b>       | None required under normal use.  |
| <b>Respiratory Protection</b>         | No protective equipment is needed under normal use conditions.         |
| <b>General Hygiene Considerations</b> | 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>           | Fresh Green Apple |
| <b>Appearance</b>     | Clear     | <b>Odor Threshold</b> | Not determined    |
| <b>Color</b>          | Colorless |                       |                   |

| <u>Property</u>              | <u>Values</u>      | <u>Remarks • Method</u> |
|------------------------------|--------------------|-------------------------|
| pH                           | 7.0-7.5            |                         |
| Melting Point/Freezing Point | ~ 0 °C / ~32 °F    |                         |
| Boiling Point/Boiling Range  | ~ 100 °C / ~212 °F |                         |
| Flash Point                  | 39 °C / 102.2 °F   | Tag Open Cup            |
| Evaporation Rate             | Not determined     |                         |
| Flammability (Solid, Gas)    | Not determined     |                         |

|                                     |                    |                 |
|-------------------------------------|--------------------|-----------------|
| <b>Upper Flammability Limits</b>    | Not determined     |                 |
| <b>Lower Flammability Limit</b>     | Not determined     |                 |
| <b>Vapor Pressure</b>               | Not determined     |                 |
| <b>Vapor Density</b>                | Not determined     |                 |
| <b>Specific Gravity</b>             | 0.99               |                 |
| <b>Water Solubility</b>             | Completely soluble | @ 25 °C (77 °F) |
| <b>Solubility in other solvents</b> | Not determined     |                 |
| <b>Partition Coefficient</b>        | Not determined     |                 |
| <b>Auto-ignition Temperature</b>    | Not determined     |                 |
| <b>Decomposition Temperature</b>    | Not determined     |                 |
| <b>Kinematic Viscosity</b>          | Not determined     |                 |
| <b>Dynamic Viscosity</b>            | Not determined     |                 |
| <b>Explosive Properties</b>         | Not determined     |                 |
| <b>Oxidizing Properties</b>         | 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.

### Conditions to Avoid

Keep out of reach of children. Keep from freezing.

### Incompatible Materials

None known.

### Hazardous Decomposition Products

When exposed to fire, produces normal products of combustion.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Product Information

|                     |  |
|---------------------|--|
| <b>Eye Contact</b>  | Causes serious eye irritation.   |
| <b>Skin Contact</b> | Prolonged contact may cause redness and irritation.  |
| <b>Inhalation</b>   | Under normal conditions of intended use, this material is not expected to be an inhalation hazard. |
| <b>Ingestion</b>    | Do not taste or swallow.   |

#### Component Information

| Chemical Name          | Oral LD50          | Dermal LD50                                   | Inhalation LC50       |
|------------------------|--------------------|---|-----------------------|
| 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 |

### 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** Isopropyl Alcohol (IPA) is listed as an IARC Monograph Group 3 chemical. However, IARC Group 3 chemicals are "not classifiable as human carcinogens". IPA is classified as an IARC Group 1 chemical ONLY when manufactured by the strong-acid process. The IPA used in this product is NOT manufactured by the strong-acid process and is therefore 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

**Unknown Acute Toxicity** 3.5% of the mixture consists of ingredient(s) of unknown toxicity.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**  
 Toxic to aquatic life with long lasting effects.

| Chemical Name          | Algae/aquatic plants   | Fish   | Toxicity to microorganisms | Crustacea                           |
|------------------------|--|--|----------------------------|-------------------------------------|
| 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 |

**Persistence/Degradability**  
 Not determined

**Bioaccumulation**  
 Not determined

**Mobility**

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

**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.

**California Hazardous Waste Status**

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

**14. TRANSPORT INFORMATION**

|  |   |
|--|---|
| <b>Note</b>                            | Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. |
| <b>DOT</b>                             | Not regulated when shipped in containers less than 119 gallons.   |
| <b>IATA</b>                            |   |
| <b>IMDG</b><br><b>Marine Pollutant</b> | This material may meet the definition of a marine pollutant.  |

**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/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*

**US Federal Regulations**

**SARA 311/312 Hazard Categories**

**Acute Health Hazard** Yes

**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

**US State Regulations**

**U.S. State Right-to-Know Regulations**

| 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 Prop 65  
 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> |
|------------------------------|

|                    |                       |                     |                         |                            |
|--------------------|-----------------------|---------------------|-------------------------|----------------------------|
| <b><u>NFPA</u></b> | <b>Health Hazards</b> | <b>Flammability</b> | <b>Instability</b>      | <b>Special Hazards</b>     |
|                    | Not determined        | Not determined      | Not determined          | Not determined             |
| <b><u>HMIS</u></b> | <b>Health Hazards</b> | <b>Flammability</b> | <b>Physical Hazards</b> | <b>Personal Protection</b> |
|                    | 2                     | 2                   | 0                       | Not determined             |

|                              |                                |
|------------------------------|--------------------------------|
| <b>Issue Date</b>            | 04-Nov-2013                    |
| <b>Revision/Review Date:</b> | 16-Jun-2021                    |
| <b>Revision Note</b>         | 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**