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Version 1

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product Name** REFRESH**Other means of identification****Product Code** 366**Synonyms** None**Recommended use of the chemical and restrictions on use****Recommended Use** Air freshener.**Uses advised against** No information available**Manufacturer Address**

Anderson Chemical Company, 325 South Davis Avenue, Litchfield, MN 55355 (320-693-2477)

**Emergency telephone number**

Chemtrec 1-800-424-9300

**2. HAZARDS IDENTIFICATION****Classification**

|                                   |             |
|-----------------------------------|-------------|
| Serious eye damage/eye irritation | Category 2B |
| Flammable liquids                 | Category 4  |

**Label elements****Emergency Overview**

|   |                              |                                    |
|---|------------------------------|------------------------------------|
| <b>Warning</b>  |                              |                                    |
| <b>Hazard statements</b><br>Causes eye irritation<br>Combustible liquid |                              |                                    |
| <b>Appearance</b> aqueous solution                                      | <b>Physical state</b> liquid | <b>Odor</b> Pomelo Blossom/Verbena |

**Precautionary Statements - Prevention**

Wash hands thoroughly after handling

Wear eye/face protection

Keep away from heat/sparks/open flames/hot surfaces. — No smoking

**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

In case of fire: Use CO<sub>2</sub>, 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

**Hazards not otherwise classified (HNOC)****Other Information**

• Harmful to aquatic life with long lasting effects

Unknown Acute Toxicity 3% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No. | Weight-% | Trade Secret |
|---------------|---------|----------|--------------|
| Isopropanol   | 67-63-0 | 3        |              |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

#### First aid measures

|                     |   |
|---------------------|---|
| <b>Eye contact</b>  | Flush immediately with water for 15 minutes. Lift upper and lower eyelids for complete rinsing. Get immediate medical attention.  |
| <b>Skin Contact</b> | Flush with water for 15 minutes. If irritation persists after rinsing, get medical attention. Remove contaminated clothing and wash before reuse.   |
| <b>Inhalation</b>   | Remove victim to fresh air. If breathing difficulty occurs or persists, get medical attention.  |
| <b>Ingestion</b>    | Rinse mouth with water. Give water to dilute. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to a semi-comatose, comatose, convulsing or unconscious person. |

#### Most important symptoms and effects, both acute and delayed

|                 |   |
|-----------------|---|
| <b>Symptoms</b> | Causes eye irritation. May injure eye tissue if not removed promptly. Prolonged contact may cause skin irritation. High vapor or aerosol mist concentrations may be irritating to the nose, throat, and upper respiratory tract in sensitive individuals. Harmful if swallowed. |
|-----------------|---|

#### Indication of any immediate medical attention and special treatment needed

|                           |                        |
|---------------------------|------------------------|
| <b>Note to physicians</b> | Treat symptomatically. |
|---------------------------|------------------------|

### 5. FIRE-FIGHTING MEASURES

#### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** Caution: Use of water spray when fighting fire may be inefficient.

#### Specific hazards arising from the chemical

No information available.

#### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

#### 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. Use water spray to cool fire exposed containers.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

|                             |  |
|-----------------------------|--|
| <b>Personal precautions</b> | Avoid contact with skin, eyes or clothing. Remove all sources of ignition. |
|-----------------------------|--|

|                                  |   |
|----------------------------------|---|
| <b>Environmental precautions</b> | See Section 12 for additional ecological information.   |
| <b>Methods for containment</b>   | Contain spill.  |
| <b>Methods for cleaning up</b>   | Recover as much material as possible into containers for disposal. Remaining material may be absorbed with sand, earth or vermiculite. Sweep up. Flush spill area with water. |

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Avoid contact with skin and eyes. Wash thoroughly after handling. Avoid breathing vapors or mists.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed and properly labeled. Containers that have been emptied will retain product residue and should be handled as if they were full. Store in a cool, dry, well-ventilated place away from incompatible materials. Wash hands before eating, drinking, using tobacco, applying make-up or using the toilet. Do not store, use, and/or consume foods, beverages, tobacco in areas where this product is stored.

**Incompatible materials** Strong oxidizing agents. Strong acids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### 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

Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

|                                 |   |
|---------------------------------|---|
| <b>Eye/face protection</b>      | Eye protection is recommended.  |
| <b>Skin and body protection</b> | Not required for normal use.  |
| <b>Respiratory protection</b>   | If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. |

**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

|                   |                  |                       |                          |
|-------------------|------------------|-----------------------|--------------------------|
| <b>Appearance</b> | aqueous solution | <b>Odor</b>           | Pomelo Blossom/Verbena   |
| <b>Color</b>      | clear orange     | <b>Odor threshold</b> | No information available |

| <u>Property</u>                      | <u>Values</u>             | <u>Remarks • Method</u> |
|--------------------------------------|---------------------------|-------------------------|
| <b>pH</b>                            | 8.0                       |                         |
| <b>Melting point/freezing point</b>  | No information available  |                         |
| <b>Boiling point / boiling range</b> | No information available  |                         |
| <b>Flash point</b>                   | 43 - 49 °C / 110 - 120 °F |                         |
| <b>Evaporation rate</b>              | No information available  |                         |
| <b>Flammability (solid, gas)</b>     | No information available  |                         |
| <b>Flammability Limit in Air</b>     |                           |                         |
| <b>Upper flammability limit:</b>     | No information available  |                         |
| <b>Lower flammability limit:</b>     | No information available  |                         |
| <b>Vapor pressure</b>                | No information available  |                         |
| <b>Vapor density</b>                 | No information available  |                         |
| <b>Specific Gravity</b>              | 0.999                     |                         |
| <b>Water solubility</b>              | Soluble in water          |                         |
| <b>Solubility in other solvents</b>  | No information available  |                         |
| <b>Partition coefficient</b>         | No information available  |                         |
| <b>Autoignition temperature</b>      | No information available  |                         |
| <b>Decomposition temperature</b>     | No information available  |                         |
| <b>Kinematic viscosity</b>           | No information available  |                         |
| <b>Dynamic viscosity</b>             | No information available  |                         |
| <b>Explosive properties</b>          | No information available  |                         |
| <b>Oxidizing properties</b>          | No information available  |                         |

**Other Information**

|                         |                          |
|-------------------------|--------------------------|
| <b>Softening point</b>  | No information available |
| <b>Molecular weight</b> | No information available |
| <b>VOC Content (%)</b>  | No information available |
| <b>Density</b>          | No information available |
| <b>Bulk density</b>     | No information available |

**10. STABILITY AND REACTIVITY****Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Heat, flames and sparks.

**Incompatible materials**

Strong oxidizing agents. Strong acids.

**Hazardous Decomposition Products**Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

|                            |  |
|----------------------------|--|
| <b>Product Information</b> | No data available                          |
| <b>Inhalation</b>          | May cause irritation of respiratory tract. |

|                     |   |
|---------------------|---|
| <b>Eye contact</b>  | Irritating to eyes.   |
| <b>Skin Contact</b> | Repeated or prolonged contact may cause irritation and drying to skin in sensitive individuals. |
| <b>Ingestion</b>    | Harmful if swallowed.   |

| Chemical Name          | Oral LD50            | Dermal LD50              | Inhalation LC50         |
|------------------------|----------------------|--------------------------|-------------------------|
| Isopropanol<br>67-63-0 | = 4396 mg/kg ( Rat ) | = 12800 mg/kg ( Rabbit ) | = 16000 ppm ( Rat ) 8 h |

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** No information available.

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

**Reproductive toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration hazard** No information available.

**Numerical measures of toxicity - Product Information**

**Unknown Acute Toxicity** 3% of the mixture consists of ingredient(s) of unknown toxicity  
**The following values are calculated based on chapter 3.1 of the GHS document .**  
**ATEmix (oral)** 8774 mg/kg

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

3% of the mixture consists of components(s) of unknown hazards to the aquatic environment

| Chemical Name          | Algae/aquatic plants   | Fish  | Crustacea                                  |
|------------------------|--|---|--|
| Isopropanol<br>67-63-0 | 1000: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50<br>1000: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 | 9640: 96 h <i>Pimephales promelas</i> mg/L LC50<br>flow-through 11130: 96 h <i>Pimephales promelas</i> mg/L LC50<br>static 1400000: 96 h <i>Lepomis macrochirus</i> µg/L LC50 | 13299: 48 h <i>Daphnia magna</i> mg/L EC50 |

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

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

**Other adverse effects** No information available

## 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** Do not reuse container.

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

#### 14. TRANSPORT INFORMATION

**DOT** Not regulated

#### 15. REGULATORY INFORMATION

##### International Inventories

|                      |                 |
|----------------------|-----------------|
| <b>TSCA</b>          | Complies        |
| <b>DSL/NDSL</b>      | Complies        |
| <b>EINECS/ELINCS</b> | Complies        |
| <b>ENCS</b>          | Does not comply |
| <b>IECSC</b>         | Complies        |
| <b>KECL</b>          | Complies        |
| <b>PICCS</b>         | Complies        |
| <b>AICS</b>          | Complies        |

##### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

##### US Federal Regulations

##### 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

| Chemical Name         | SARA 313 - Threshold Values % |
|-----------------------|-------------------------------|
| Isopropanol - 67-63-0 | 1.0                           |

##### SARA 311/312 Hazard Categories

|  |     |
|--|-----|
| <b>Acute health hazard</b>               | Yes |
| <b>Chronic Health Hazard</b>             | No  |
| <b>Fire hazard</b>                       | No  |
| <b>Sudden release of pressure hazard</b> | No  |
| <b>Reactive Hazard</b>                   | No  |

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals

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

| Chemical Name          | New Jersey | Massachusetts | Pennsylvania |
|------------------------|------------|---------------|--------------|
| Isopropanol<br>67-63-0 | X          | X             | X            |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not Applicable

**16. OTHER INFORMATION**

|             |                  |                |                    |                                    |
|-------------|------------------|----------------|--------------------|------------------------------------|
| <b>NFPA</b> | Health hazards 1 | Flammability 2 | Instability 0      | Physical and Chemical Properties - |
| <b>HMIS</b> | Health hazards 1 | Flammability 2 | Physical hazards 0 | Personal protection X              |

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No information available

**Disclaimer**

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**End of Safety Data Sheet**