1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Magnesium Citrate Oral Solution Regular
Item Number: 667AG
Recommended Use: Oral Hygiene
Supplier Address: Vi-Jon, Inc.
8515 Page Avenue
Saint Louis, MO 63114

General Information Contact: Phone: 314-427-1000 (M-F 8am-4pm CST)
Email: info@vijon.com

In Case of Spill Emergency Contact: Chemtrec: 1-800-424-9300 (24-Hour)

2. HAZARDS IDENTIFICATION FOR INDUSTRIAL SETTING

CAUTION!

Emergency Overview
May cause eye irritation

Appearance: Clear, Colorless to slight yellow, Water-thin liquid
Physical State: Water-thin liquid
Odor: Citrus

Potential Health Effects
Primary Routes of Exposure
Skin contact. Ingestion.

Acute Toxicity
Eyes
May cause irritation.
Skin
None known.
Inhalation
Not an expected route of exposure.
Ingestion
None known when used as directed.

Chronic Effects
None known.

Aggravated Medical Conditions
None known.

Environmental Hazard
See Section 12 for additional Ecological Information.
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnesium Citrate 1.745 grams per fl oz</td>
<td>144-23-0</td>
<td>0-10</td>
</tr>
<tr>
<td>Citric Acid</td>
<td>77-92-9</td>
<td>0-10</td>
</tr>
<tr>
<td>Lemon Oil</td>
<td>8008-56-8</td>
<td>0-10</td>
</tr>
<tr>
<td>Polyethylene Glycol</td>
<td>25322-68-3</td>
<td>0-10</td>
</tr>
<tr>
<td>Purified Water</td>
<td>7732-18-5</td>
<td>50-100</td>
</tr>
<tr>
<td>Sodium Bicarbonate</td>
<td>144-55-8</td>
<td>0-10</td>
</tr>
<tr>
<td>Sodium Saccharin</td>
<td>128-44-9</td>
<td>0-10</td>
</tr>
<tr>
<td>Sucrose</td>
<td>57-50-1</td>
<td>0-10</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

**Eye Contact**
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

**Skin Contact**
In the case of skin irritation or allergic reactions see a physician.

**Inhalation**
If symptoms persist, call a physician.

**Ingestion**
Rinse mouth. Drink plenty of water. Do NOT induce vomiting. If symptoms persist, call a physician.

**Notes to Physician**
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

**Flammable Properties**
Not flammable.

**Flash Point**
Not determined.

**Suitable Extinguishing Media**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Hazardous Combustion Products**
Carbon oxides.

**Explosion Data**
- **Sensitivity to Mechanical Impact**: No.
- **Sensitivity to Static Discharge**: No.

**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.

**NFPA**
- **Health Hazard**: 0
- **Flammability**: 0
- **Stability**: 0
- **Physical and Chemical Hazards**: None

6. ACCIDENTAL RELEASE MEASURES FOR INDUSTRIAL SETTING

**Personal Precautions**
Use personal protective equipment. Avoid contact with eyes.

**Environmental Precautions**
Refer to protective measures listed in Sections 7 and 8.

**Methods for Containment**
Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up**
Damp up. Soak up with inert absorbent material. Keep in suitable and closed containers for disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE FOR INDUSTRIAL SETTING

**Handling**
Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes.

**Storage**
Keep container tightly closed.
8. EXPOSURE CONTROLS / PERSONAL PROTECTION FOR INDUSTRIAL SETTING

Exposure Guidelines
There is no exposure data pertaining to the Product. This section reflects exposure data pertaining to individual ingredients.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sucrose 57-50-1</td>
<td>TWA: 10 mg/m³ total dust (vacated)</td>
<td>TWA: 15 mg/m³ total dust (vacated)</td>
<td>TWA: 10 mg/m³ total dust</td>
</tr>
<tr>
<td></td>
<td>TWA: 5 mg/m³ respirable fraction</td>
<td>TWA: 5 mg/m³ respirable fraction</td>
<td>TWA: 5 mg/m³ respirable dust</td>
</tr>
</tbody>
</table>

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

Other Exposure Guidelines
Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Engineering Measures
Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment
Eye/Face Protection
No special protective equipment required.

Skin and Body Protection
No special protective equipment required.

Respiratory Protection
No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear, Colorless to slight yellow, Water-thin liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Citrus</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No information available</td>
</tr>
<tr>
<td>pH</td>
<td>Physical State</td>
</tr>
<tr>
<td></td>
<td>Water-thin liquid</td>
</tr>
<tr>
<td>Flash Point</td>
<td>No information available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Autoignition Temperature</td>
</tr>
<tr>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Melting Point/Range</td>
<td>Boiling Point/Range</td>
</tr>
<tr>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>Explosion Limits</td>
</tr>
<tr>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Solubility</td>
</tr>
<tr>
<td></td>
<td>Miscible in water, No information available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Vapor Pressure</td>
</tr>
<tr>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Partition Coefficient: n-octanol/water</td>
</tr>
<tr>
<td></td>
<td>N/A</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY FOR INDUSTRIAL SETTING

Stability
Stable under recommended storage conditions.

Incompatible Products
None known.

Conditions to Avoid
None known.

Hazardous Decomposition Products
Carbon oxides.

Hazardous Polymerization
Hazardous polymerization does not occur.
11. TOXICOLOGICAL INFORMATION FOR INDUSTRIAL SETTING

There is no data for this product. The information included in this section describes the potential hazards of the individual ingredients.

Acute Toxicity

<table>
<thead>
<tr>
<th>Product Information</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyethylene Glycol</td>
<td>-</td>
<td>&gt; 20 mL/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>Purified Water</td>
<td>&gt; 90 mL/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Sodium Bicarbonate</td>
<td>= 4220 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Sodium Saccharin</td>
<td>= 14200 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Chronic Toxicity

Chronic Toxicity

None known.

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Saccharin</td>
<td></td>
<td>Group 3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

IARC: (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

Target Organ Effects

None known.

12. ECOLOGICAL INFORMATION FOR INDUSTRIAL SETTING

There is no ecological data on the Product. The Product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices.

13. DISPOSAL CONSIDERATIONS FOR INDUSTRIAL SETTING

Waste Disposal Methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261).

Contaminated Packaging

Dispose of in accordance with local regulations.

California Hazardous Waste Codes

331

This product does not contain any substances that are listed with the State of California as a hazardous waste.

14. TRANSPORT INFORMATION

DOT

Not regulated

TDG

Not regulated

MEX

Not regulated

ICAO

Not regulated

IATA

Not regulated

IMDG/IMO

Not regulated
15. REGULATORY INFORMATION FOR INDUSTRIAL SETTING

There is no data for this product. The information included in this section describes the potential hazards of the individual ingredients.

International Inventories

<table>
<thead>
<tr>
<th>TSCA</th>
<th>Exempt</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSL</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

U.S. 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.

SARA 311/312 Hazard Categories

<table>
<thead>
<tr>
<th>Acute Health Hazard</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chronic Health Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Fire Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Sudden Release of Pressure Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>No</td>
</tr>
</tbody>
</table>

Clean Water Act
This product does not contain any ingredients which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product does not contain any ingredients which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act.

CERCLA
This material, as supplied, does not contain any ingredients regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

U.S. State Regulations

California Proposition 65 – None
This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations For Industrial Setting

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Massachusetts</th>
<th>New Jersey</th>
<th>Pennsylvania</th>
<th>Illinois</th>
<th>Rhode Island</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Saccharin</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

International Regulations

Mexico - Grade
No information available.

Canada
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class
Non-controlled
16. OTHER INFORMATION

Prepared By  
WERCS Professional Services, LLC  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

Issuing Date: July 10, 2013  
Revision Date: None  
Revision Note: None

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Approved and Updated by Vi-Jon, Inc.

Disclaimer:
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End of Safety Data Sheet