1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier
- Product Name: Good Vibrations™

Other Means of Identification
- SDS #: GVUS/SDS/I02

Product Code: GVUS

Recommended Use of the Chemical and Restrictions on Use
- Recommended Use: Ultrasonic Instrument Cleaner

Details of the Supplier of the Safety Data Sheet
- Supplier Address: Certol International, LLC.
  6120 East 58th Avenue
  Commerce City, Colorado 80022
  www.Certol.com

Emergency Telephone Number
- Company Phone Number(s):
  Phone: 303-799-9401
  Toll-Free: 1-800-843-3343
  Fax: 303-799-9408

24 Hour Emergency Telephone
- INFOTRAC: 1-800-535-5053 (North America)
- INFOTRAC: 1-352-323-3500 (International)
2. HAZARDS IDENTIFICATION

Classification

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity - Inhalation (Dusts / Mists)</td>
<td>Category 4</td>
</tr>
<tr>
<td>Causes Skin Irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Serious Eye Damage / Eye Irritation</td>
<td>Category 1</td>
</tr>
</tbody>
</table>

Signal Word

Danger.

Hazard Statements

Harmful if swallowed.
Short-term eye contact will cause eye irritation.
Long-term eye contact may cause irreversible damage.

Appearance

Green Clear Liquid.

Physical State

Liquid.

Odor

Mint.

Precautionary Statements-Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Use personal protective equipment as required.
Use only in a well-ventilated area.
Wear protective gloves.
Do not breathe dust/fume/gas/mist/vapors/spray.

Precautionary Statements-Response

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a Poison Control Center or doctor/physician.

IF SWALLOWED: Immediately call a Poison Control Center or doctor/physician. Rinse mouth. Do not induce vomiting.

IF EXPOSED: Call a Poison Control Center or doctor/physician.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Control Center or doctor/physician.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

IF SKIN IRRITATION OR RASH OCCUR: Get medical advice/attention. Call a Poison Control Center or doctor/physician if you feel unwell.
2. HAZARDS IDENTIFICATION (continued)

Precautionary Statements - Storage
Store in a closed container, in a cool, dry well-ventilated place away from incompatible materials.

Keep out of the reach of children and pets.

Precautionary Statements - Disposal
Dispose according to all local, state and federal regulations.

Other Information
Toxic to aquatic life.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Morpholine</td>
<td>110-91-8</td>
<td>*</td>
</tr>
<tr>
<td>Polyethylene Glycol Nonylphenyl Ether</td>
<td>9016-45-9</td>
<td>*</td>
</tr>
</tbody>
</table>

*The exact percentage is a trade secret.

4. FIRST AID MEASURES

First Aid Measures

Inhalation
Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Call a physician or Poison Control Center immediately.

Eye Contact
Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call physician immediately.

Ingestion
Rinse mouth. Do not induce vomiting. Never give anything by mouth to a person who is unconscious or convulsing. Call a physician or Poison Control Center immediately.

Skin Contact
Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. Call a physician if you feel unwell.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms
Causes skin and eye irritation. Inhalation of fumes or mist can cause irritation to the upper respiratory tract. Ingestion may cause irritation of the mouth, throat or stomach.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians
Treat symptomatically.
5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use water, CO\textsubscript{2}, dry chemical or foam for extinction.

Unsuitable Extinguishing Media

Not Determined.

Specific Hazards Arising from the Chemical

Not Determined.

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

Use personal protective equipment as required.
The wet, contaminated surface may be slippery.

For Emergency Responders

Restrict access to spill area. Ventilate the area.

Environmental Precautions

Prevent entry into waterways, sewers, basements or confined areas.
See Section 12 for additional ecological information.

Methods and Material for Containment and Cleaning Up

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up

Absorb with inert material. Shovel or sweep spills. Flush remainder with plenty of water.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Use personal protection recommended in Section 8.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only in well-ventilated areas.
Do not breathe dust/fumes/gas/mist/vapors/spray.

Keep out of the reach of children and pets.
7. HANDLING AND STORAGE (continued)

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions
Store in a closed container, in a cool, dry well-ventilated place away from incompatible materials.

Keep out of the reach of children and pets.

Incompatible Materials

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
</table>
| Morpholine 110-91-8 | TWA: 20 ppm | TWA: 20 ppm  
TWA: 70mg/m³  
TWA: 20 ppm (Vacated)  
TWA: 70 mg/m³ (Vacated)  
STEL: 30 ppm (Vacated)  
STEL: 105 mg/m³ (Vacated) | IDLH: 1400 ppm  
TWA: 20 ppm  
TWA: 70mg/m³  
STEL: 30 ppm  
STEL: 105 mg/m³ |

Appropriate Engineering Controls

Engineering Controls
Apply technical measures to comply with the occupational exposure limits.
Eyewash stations.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection
Wear goggles and/or a face protection shield.

Skin and Body Protection
Chemical resistant, impermeable gloves.
Wear appropriate clothing to prevent repeated or prolonged skin contact.

Respiratory Protection
Under normal conditions a respirator is not normally required.
A mask or respirator may be used if vapor concentration is high.

General Hygiene Considerations
Handle in accordance with good industrial hygiene and safety practices.
9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State
Liquid.
Appearance
Green Clear Liquid.
Color
Green.
Odor
Mint.

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks * Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>8.5 - 9.5</td>
<td>68°F (20°C)</td>
</tr>
<tr>
<td>Melting Point / Freezing Point</td>
<td>&lt; 32°F / &lt; 0°C</td>
<td></td>
</tr>
<tr>
<td>Boiling Point / Boiling Range</td>
<td>212°F / 100°C</td>
<td>(Approximate)</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not Determined.</td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>&lt; 1</td>
<td>(Butyl acetate = 1) (Approximate)</td>
</tr>
<tr>
<td>Flammability (Solid/Gas)</td>
<td>N/A-Liquid.</td>
<td></td>
</tr>
<tr>
<td>Flammability Limits In Air</td>
<td>Not Determined.</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not Determined.</td>
<td></td>
</tr>
<tr>
<td>Vapor Density</td>
<td>&gt; 1</td>
<td>(Air = 1) (Approximate)</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.04 g/cc</td>
<td>68°F (20°C) (Water = 1)</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Completely Soluble.</td>
<td></td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>See Section 12.</td>
<td></td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>Not Determined.</td>
<td></td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not Determined.</td>
<td></td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>Not Determined.</td>
<td></td>
</tr>
<tr>
<td>Dynamic Viscosity</td>
<td>Not Determined.</td>
<td></td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>Not Determined.</td>
<td></td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>Not Determined.</td>
<td></td>
</tr>
</tbody>
</table>

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 will not occur.

Conditions to Avoid
None under normal processing.

Incompatible Materials

Hazardous Decomposition Products
None known.
11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Inhalation May cause irritation, coughing, nausea and headache.

Eye Contact Short term contact will cause irritation. Prolonged contact may cause irreversible damage.

Skin Contact Frequent or prolonged contact may cause irritation.

Ingestion Do not taste or swallow.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD$_{50}$</th>
<th>Dermal LD$_{50}$</th>
<th>Inhalation LC$_{50}$</th>
</tr>
</thead>
<tbody>
<tr>
<td>Morpholine</td>
<td>1050 mg/kg (Rat)</td>
<td>310 mg/kg (Rabbit)</td>
<td>N/A</td>
</tr>
<tr>
<td>110-91-8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polyethylene Glycol</td>
<td>1310 mg/kg (Rat)</td>
<td>2000 mg/kg (Rabbit)</td>
<td>N/A</td>
</tr>
<tr>
<td>Nonylphenyl Ether</td>
<td>9016-45-9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Morpholine</td>
<td>A4</td>
<td>Group 3</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>110-91-8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

IARC (International Agency for Research on Cancer)
Group 3 - Not Carcinogenic to Humans.

ACGIH (The American Conference of Governmental Industrial Hygienists)
A4 - Not Classifiable as a Human Carcinogen.

STOT - Single Exposure
Not Determined.

STOT - Repeated Exposure
Not Determined.

Numerical Measures of Toxicity
Not Determined.
12. ECOLOGICAL INFORMATION

Ecotoxicity
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic organisms.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Morpholine 110-91-8</td>
<td>Unknown Toxin</td>
<td>Known Toxin</td>
<td>Known Toxin</td>
<td>Known Toxin</td>
</tr>
<tr>
<td>Polyethylene Glycol Nonylphenyl Ether 9016-45-9</td>
<td>Unknown Toxin</td>
<td>Known Toxin</td>
<td>No Information</td>
<td>Known Toxin</td>
</tr>
</tbody>
</table>

Persistence and Degradability
Not Determined.

Bioaccumulation
Not Determined.

Mobility

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Partition Coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Morpholine 110-91-8</td>
<td>-2.55</td>
</tr>
</tbody>
</table>

Other Adverse Effects
Not Determined.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes
Dispose according to all local, state and federal regulations.

Contaminated Packaging
Dispose according to all local, state and federal 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.

IATA
Not Regulated.

IMDG
Not Regulated.

15. REGULATORY INFORMATION

International Inventories

Not Determined.

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

US Federal Regulations

SARA 302
This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III. Section 302.

SARA 311/312
Fire Hazard, Acute Health Hazard, Chronic Health Hazard.

SARA 313
This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III. Section 313.

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Morpholine 110-91-8</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Polyethylene Glycol Nonylphenyl Ether 9016-45-9</td>
<td>X</td>
<td>N/A</td>
<td>X</td>
</tr>
</tbody>
</table>
### 16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>Not Determined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not Determined</td>
<td>Not Determined</td>
<td>Not Determined</td>
<td>Not Determined</td>
</tr>
</tbody>
</table>

**Issue Date**  
August 2013

**Revision Date**  
May 2014

**Revision Note**  
Formulation change.

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End of Safety Data Sheet