

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

072263887

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

072263895

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name** Good Vibrations™

**Other Means of Identification**

**SDS #** GVUS/SDS/I03

**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](http://www.Certol.com)  
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**

Serious Eye Damage / Eye Irritation	Category 1
Causes Skin Irritation	Category 2
Acute Toxicity - Inhalation (Dusts / Mists)	Category 4

**Signal Word**

Danger.

**Physical & Chemical Hazards:**

None.

**Health Hazards:**

Harmful if swallowed.  
Causes eye irritation.  
Causes irreversible damage.  
See section 12.

**Environmental Hazards:**

**GHS Label Element**

**Hazard Statements**

H302 Harmful if swallowed.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.

**Precautionary Statements:**

Prevention	P201	Obtain special instructions before use.
	P233	Keep container tightly closed.
	P260	Do not breathe dust/fumes/gas/mist/vapors/spray.
	P271	Use only in a well-ventilated area.
	P280	Wear protective gloves, protective clothing, eye protection and face protection.
	P314	Get medical advice/attention if you feel unwell.
Response	P314	Get medical advice/attention if you feel unwell.
	P402	Store in a dry place
Storage	P402	Store in a dry place
	P403	Store in a well-ventilated place.
Disposal	P501	Dispose according to all local, state and federal regulations.

**Hazard(s) not otherwise classified (HNOC):**

Not determined.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Morpholine	110-91-8	*
Polyethylene Glycol Nonylphenyl Ether	9016-45-9	*

\* The exact percentage is a trade secret.

### 4. FIRST AID MEASURES

<b>Inhalation</b>	Move to fresh air and keep at rest in a comfortable position for breathing. If not breathing, give artificial respiration. Consult a physician.
<b>Eye Contact</b>	Immediately flush with plenty of water. Remove any contact lenses, continue flushing for several minutes and call physician immediately.
<b>Ingestion</b>	Do not induce vomiting. Never give anything by mouth to a person who is unconscious. Call a physician or Poison Control Center.
<b>Skin Contact</b>	Wash off immediately with plenty of water for several minutes. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention.
<b>Symptoms</b>	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.
<b>Note to Physician</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use CO <sub>2</sub> , dry chemical or foam to extinguish.
<b>Unsuitable Extinguishing Media</b>	Not Determined.
<b>Specific Hazards Arising from the Chemical</b>	None Determined.
<b>Protective Equipment and Precautions for Firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	
<b>Personal Precautions</b>	Use personal protective equipment as required. The wet, contaminated surface may be slippery.
<b>For Emergency Responders</b>	Restrict access to spill area. Ventilate the area.
<b>Environmental Precautions</b>	Prevent entry into waterways, sewers, basements or confined areas.
<b>Methods and Material for Containment and Cleaning Up</b>	
<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Cleaning Up</b>	Absorb with inert material. Shovel or sweep spills. Flush remainder with plenty of water.

### 7. HANDLING AND STORAGE

<b>Precautions for Safe Handling</b>	
<b>Advice on Safe Handling</b>	Handle in accordance with good industrial hygiene and safety practices. Do not handle until all safety precautions have been read and understood. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Do not breathe dust/fumes/gas/mist/vapors/spray. Keep out of reach of children and pets.
<b>Conditions for Safe Storage, Including any Incompatibilities</b>	
<b>Storage Conditions</b>	Store in a closed container in a cool, dry, well-ventilated place away from incompatible materials.
<b>Incompatible Materials</b>	Strong inorganic acids. Bleaching agents. Nitro compounds. Oxidizers.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Morpholine 110-91-8	TWA: 20 ppm	TWA: 20 ppm TWA: 70 mg/m <sup>3</sup> TWA: 20 ppm (Vacated) TWA: 70 mg/m <sup>3</sup> (Vacated) STEL: 30 ppm (Vacated) STEL: 105 mg/m <sup>3</sup> (Vacated)	IDLH: 1400 ppm TWA: 20 ppm TWA: 70 mg/m <sup>3</sup> STEL: 30 ppm STEL: 105 mg/m <sup>3</sup>

### Exposure Guidelines

#### Appropriate Engineering Controls

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

##### Eye/Face Protection

##### Skin and Body Protection

##### Respiratory Protection

##### General Hygiene Considerations

See above occupational exposure limits.  
Eyewash station.

Wear goggles, chemical safety glasses or a face protection shield.

Chemical resistant, non-latex and impermeable gloves.

Wear appropriate clothing to prevent repeated or prolonged skin contact.

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

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
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Property	Values	Property	Values
pH	8.5 - 9.5 (77°F/25°C)	Specific Gravity	1.04 (60°F/15.5°C)
Melting Point / Freezing Point	< 32°F / < 0°C	Water Solubility	Completely Soluble.
Boiling Point / Boiling Range	212°F / 100°C	Partition Coefficient	Not Determined.
Flash Point	Not Determined.	Autoignition Temperature	Not Determined.
Evaporation Rate	< 1	Decomposition Temperature	Not Determined.
Flammability (Solid/Gas)	N/A-Liquid.	Kinematic Viscosity	Not Determined.
Flammability Limits In Air	Not Determined.	Dynamic Viscosity	Not Determined.
Vapor Pressure	Not Determined.	Explosive Properties	Not Explosive.
Vapor Density	> 1	Oxidizing Properties	Not Determined.

## 10. STABILITY AND REACTIVITY

#### Reactivity

#### Chemical Stability

#### Possibility of Hazardous Reactions

#### Hazardous Polymerization

#### Conditions to Avoid

#### Incompatible Materials

#### Hazardous Decomposition Products

Not reactive under normal conditions.

Stable under recommended storage conditions.

None under normal processing.

Hazardous polymerization will not occur.

None under normal processing.

Strong inorganic acids. Bleaching agents. Nitro compounds. Oxidizers.

None known.

**11. TOXICOLOGICAL INFORMATION****Routes of Exposure**

Eye Contact. Skin Contact. Inhalation. Ingestion.

**Information on Likely Routes of Exposure**

Ingestion  
 Inhalation  
 Skin Contact  
 Eye Contact

Do not taste or swallow.  
 May cause irritation, coughing, nausea and headache.  
 Frequent or prolonged contact may cause irritation.  
 Short term contact will cause irritation. Prolonged contact may cause irreversible damage.

**Component Information**

Chemical Name	Oral LD <sub>50</sub>	Dermal LD <sub>50</sub>	Inhalation LC <sub>50</sub>
Morpholine 110-91-8	1900 mg/kg (Rat)	500 mg/kg (Rabbit)	8 g/m <sup>3</sup> (Rat)
Polyethylene Glycol Nonylphenyl Ether 9016-45-9	3980 mg/kg (Rat)	2000 mg/kg (Rabbit)	1.15 mg/L (Rat)

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure****Carcinogenicity**

The product as a whole has not been tested.

Chemical Name	ACGIH	IARC	NTP	OSHA
Morpholine 110-91-8	A4	Group 3	N/A	N/A

**ACGIH (The American Conference of Governmental Industrial Hygienists)**

A4 - Not Classifiable as a Human Carcinogen.

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

Group 3 - Not Carcinogenic to Humans.

**Numerical Measures of Toxicity**

Not Determined.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Morpholine 110-91-8	Known Toxin	Known Toxin	Known Toxin	Known Toxin
Polyethylene Glycol Nonylphenyl Ether 9016-45-9	Known Toxin	Known Toxin	No Information	Known Toxin

**Persistence and Degradability**

Not Determined.

**Bioaccumulation**

Not Determined.

**Mobility**

Chemical Name	Partition Coefficient
Morpholine 110-91-8	-2.55

**Other Adverse Effects**

Not Determined.

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

Disposal of Wastes  
 Contaminated Packaging

Dispose according to all local, state and federal regulations.  
 Dispose according to all local, state and federal regulations.

#### 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.
<b>IATA</b>	Not Regulated.
<b>IMDG</b>	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 Hazard Categories**

Acute Health Hazard, Chronic Health Hazard, Fire 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**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Morpholine 110-91-8	X	X	X
Polyethylene Glycol Nonylphenyl Ether 9016-45-9	X	N/A	X

#### 16. OTHER INFORMATION

**NFPA**

<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
2	1	0	Not Determined.

**HMIS**

<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
Not Determined.	Not Determined.	Not Determined.	Not Determined.

<b>Issue Date</b>	May 2014
<b>Revision Date</b>	March 2017
<b>Revision Note</b>	New format.
<b>Disclaimer</b>	

This Safety Data Sheet was prepared to comply with the current OSHA Hazard Communication Standard adoption of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS). Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.

End of Safety Data Sheet