

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
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

Physical & Chemical Hazards:

Health Hazards:

Environmental Hazards:

Danger.

None.

Harmful if swallowed.

Causes eye irritation.

Causes irreversible damage.

See section 12.

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.
P402 Store in a dry place
P403 Store in a well-ventilated place.
P501 Dispose according to all local, state and federal regulations.

Response

Storage

Disposal

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

Inhalation	Move to fresh air and keep at rest in a comfortable position for breathing. If not breathing, give artificial respiration. Consult a physician.
Eye Contact	Immediately flush with plenty of water. Remove any contact lenses, continue flushing for several minutes and call physician immediately.
Ingestion	Do not induce vomiting. Never give anything by mouth to a person who is unconscious. Call a physician or Poison Control Center.
Skin Contact	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.
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.
Note to Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Use CO ₂ , dry chemical or foam to extinguish.
Unsuitable Extinguishing Media	Not Determined.
Specific Hazards Arising from the Chemical	None 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.
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	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.
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.
Incompatible Materials	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 ³ TWA: 20 ppm (Vacated) TWA: 70 mg/m ³ (Vacated) STEL: 30 ppm (Vacated) STEL: 105 mg/m ³ (Vacated)	IDLH: 1400 ppm TWA: 20 ppm TWA: 70 mg/m ³ STEL: 30 ppm STEL: 105 mg/m ³

Exposure Guidelines

Appropriate Engineering Controls

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection

See above occupational exposure limits.

Eyewash station.

Skin and Body Protection

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.

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
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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

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

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

Hazardous Decomposition Products

None known.

11. TOXICOLOGICAL INFORMATION

Routes of Exposure

Eye Contact. Skin Contact. Inhalation. Ingestion.

Information on Likely Routes of Exposure

Ingestion

Do not taste or swallow.

Inhalation

May cause irritation, coughing, nausea and headache.

Skin Contact

Frequent or prolonged contact may cause irritation.

Eye Contact

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

Component Information

Chemical Name	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
Morpholine 110-91-8	1900 mg/kg (Rat)	500 mg/kg (Rabbit)	8 g/m ³ (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

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/NDL - 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

Health Hazards	Flammability	Instability	Special Hazards
2	1	0	Not Determined.

HMIS

Health Hazards	Flammability	Physical Hazards	Personal Protection
Not Determined.	Not Determined.	Not Determined.	Not Determined.

Issue Date May 2014
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Revision Note New format.
Disclaimer

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