

Material Safety Data Sheet



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Good Vibrations™ Ultrasonic Cleaner Solution

Product Number Prefix: GVUS

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Certol International, LLC urges each recipient of the MSDS to read it carefully to understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology and fire prevention, as needed to understand the data in the MSDS.

To promote safe handling, each recipient of the MSDS should: (1) notify anyone using the material of the MSDS information regarding hazards or safety; (2) furnish the MSDS information to customers purchasing the product; and (3) request the customers furnish MSDS information to all users.

Emergency and First Aid Procedures

Swallowing: Rinse mouth and throat thoroughly with water. Drink large amounts of water. DO NOT induce vomiting. Do not give anything by mouth to an unconscious or convulsing person. Seek medical attention immediately.

Skin Contact: Wash skin with flowing water or shower. If irritation persists, seek medical attention.

Inhalation: Remove the affected victim from exposure. Administer artificial respiration if breathing stopped. Seek medical attention immediately.

Eye Contact: Flush eyes with water for 15 minutes. If irritation persists, seek medical attention.

1. Identification

Product Name: Good Vibrations™ Ultrasonic Cleaner Solution

Chemical Name: Blend

2. Hazards

PRINCIPAL HAZARDOUS COMPONENTS	CAS #
Sodium Nitrite	7632-00-0
Morpholine	110-91-8

3. Physical Data

Appearance: Clear green liquid

Odor: Mint

Solubility in Water: Complete

Boiling Point: Above 212°F (100°C)

Freezing Point: Below 32°F (0°C)

Vapor Density (Air=1): > 1

Evaporation Rate (BuAc=1): < 1

Specific Gravity: 1.03 @ 68°F (20°C)

pH Concentrate: 11.0

4. Fire and Explosion Hazard

Flash Point: No data

Flammable Limits in Air: No data

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

Unusual Fire and Explosion Hazards: May emit toxic fumes

Extinguishing Media: No specific requirement

5. Health Hazard Data

COMPONENT	OSHA/PEL	ACGIH/TLV
Sodium Nitrite	N/A	N/A
Morpholine	20 ppm	20 ppm

Effect of Overexposure:

Swallowing: May cause irritation, nausea, and vomiting

Skin Contact: Frequent or prolonged contact may cause irritation.

Inhalation: May cause irritation, coughing, nausea, and headache

Eye Contact: Short-term contact will cause irritation. Prolonged contact may cause irreversible damage to eye.

Carcinogenicity:

NTR: No

IARC: No

OSHA: No

6. Reactivity Data

Stability: Stable at normal conditions

Conditions to Avoid: None known at normal conditions

Incompatibility (Materials to Avoid): Strong inorganic acids, bleaching agents, nitro compounds, and oxidizers

Hazardous Combustion or Decomposition

Products: None known at normal conditions

Hazardous Polymerization: Will not occur

7. Spill, Leak, and Waste Disposal Procedures

Steps to be Taken in Case Material is Released or Spilled: Shovel or sweep spills. Flush remainder with plenty of water. The wet, contaminated surface may be slippery.

Waste Disposal Method: Dispose according to all local, state, and federal regulations.

8. Handling and Storage

Store in a closed container in a cool, dry, well-ventilated place away from incompatible materials. Keep out of reach of children.

9. Special Protection Information

Respiratory Protection: Not normally required. A mask or respirator may be used if vapor concentration is high.

Ventilation: Local exhaust or normal facility ventilation

Protective Gloves: Water-resistant gloves

Eye Protection: Safety goggles and/or face shield

Protective Clothing: Where contact may occur, wear protective clothing

Other Protective Clothing or Equipment: An eyewash station should be nearby and ready for use.

10. Regulation Information

Status on Substance List: None known

Federal EPA: None

State Right-To-Know: SARA Sections 311/312: Morpholine, SARA Sections 312/323/372: Sodium Nitrite

11. Transportation Data

Proper Shipping Name: None

DOT: Unregulated Commodity

CHEMICAL WARNING LABELS

Required on containers, tubs, and bottles, which are filled from original containers with potentially hazardous substances

Hazard rating corresponding to the NFPA Rating System:

- 4 - Extreme
- 3 - High
- 2 - Moderate
- 1 - Slight
- 0 - Insignificant

NFPA HAZARD RATING

HEALTH: 2

FLAMMABILITY: 1

REACTIVITY: 0

Chemical Warning Label – Certol International, LLC Good Vibrations™ Ultrasonic Cleaner Solution

No wall reference is necessary

Product Name: Good Vibrations™ Ultrasonic Cleaner Solution

Hazardous Chemicals: Sodium Nitrite and Morpholine

Personal Protection: Gloves, safety goggles, and/or face shield

<u>ROUTE OF ENTRY</u>	<u>HEALTH HAZARD</u>	<u>FIRE HAZARD</u>
<input checked="" type="checkbox"/> Inhalation	<input checked="" type="checkbox"/> Irritant	<input type="checkbox"/> Below 73°F (23°C)
<input checked="" type="checkbox"/> Ingestion	<input type="checkbox"/> Carcinogen	<input type="checkbox"/> Below 100°F (38°C)
<input checked="" type="checkbox"/> Skin/eye absorption	<input type="checkbox"/> Toxic	<input type="checkbox"/> Above 100°F (38°C) & not > 200°F (93°C)
	<input type="checkbox"/> Sensitizer	<input checked="" type="checkbox"/> Above 200°F (93°C)
	<input type="checkbox"/> Normal Material	<input type="checkbox"/> Will Not Burn
<u>TARGET ORGAN</u>	<u>PHYSICAL HAZARD</u>	<u>REACTIVITY</u>
<input checked="" type="checkbox"/> Respiratory	<input type="checkbox"/> Oxidizer	<input type="checkbox"/> May detonate
<input type="checkbox"/> Heart	<input type="checkbox"/> Acid	<input type="checkbox"/> Shock and heat may detonate
<input type="checkbox"/> Kidney	<input type="checkbox"/> Alkali	<input type="checkbox"/> Violent chemical change
<input checked="" type="checkbox"/> Eyes	<input type="checkbox"/> Corrosive	<input type="checkbox"/> Unstable if heated
<input checked="" type="checkbox"/> Skin	<input type="checkbox"/> Use no water	<input checked="" type="checkbox"/> Stable
<input type="checkbox"/> Prostate	<input type="checkbox"/> Radioactive	
<input type="checkbox"/> Blood		
<input type="checkbox"/> Liver		
<input type="checkbox"/> CNS		
<input type="checkbox"/> Other		

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