

Material Safety Data Sheet

REMOVER MAGIC™ Graffiti Remover

Product Numbers: GRA/16, GRA/2G, GRA/5G, GRA/55G,
GRA/KIT

CERTOL®

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Certol International, LLC urges each customer or recipient of this MSDS to study it carefully to become aware of and 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 necessary or appropriate, to use and understand the data in this MSDS.

To promote safe handling, each customer or recipient should: (1) notify its employees, agents, contractors, and others whom it knows or believes will use this material of the information regarding hazards or safety; (2) furnish this information to each of its customers for the product; and (3) request its customers to notify their employees, customers, and other users of the product of this information.

Emergency and First Aid Procedures

Swallowing: Rinse mouth and throat thoroughly with tap 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 mild soap and water. Seek medical attention if irritation persists.

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. Seek medical attention if irritation continues.

1. Identification

Product Name: REMOVER MAGIC™ Graffiti Remover

Chemical Name: Blend.

2. Hazardous Ingredients

PRINCIPAL HAZARDOUS COMPONENTS	CAS #
1-Methyl-2-Pyrrolidine	872-50-4

3. Physical Data

Appearance: Clear liquid.

Odor: Citrus.

Solubility In Water by wt.: 97%.

Boiling Point: Over 198°F (92°C)

Freezing Point: Below 0°F (-18°C)

Vapor Density: (Air = 1) 5.1 @ 60 - 80°F (16 - 27°C)

Vapor Pressure: (MmHg) 3.8 @ 68°F (20°C)

Evaporation Rate (n-Butyl Acetate = 1): < 1

Specific Gravity: 0.977

pH: 7

VOC: Less than 30% - California EPA ARB Method 310.

4. Fire And Explosion Hazard

Flash Point: 132°F (57°C) (Pensky Marten Cc).

Flammable Limits In Air: Not detected.

Special Fire Fighting Procedures: Cool containers with water if exposed to fire. Firefighters should wear positive pressure, self-containing breathing apparatus.

Unusual Fire And Explosion Hazards: When heated above flash point, releases vapors. When mixed with air and exposed to ignition source, vapors can burn in open or explode if confined. May travel long distances along the ground before igniting/flashing back to vapor source. Fine sprays/mist may be combustible at temperatures below normal flash point.

5. Health Hazard Data

COMPONENT	OSHA/ PEL	ACGIH/ TLV	Toxicological LD50
1-Methyl-2-Pyrrolidine	No data.	No data.	Rat oral: 3914 mg/kg LD50/96 hour for fish: Over 100 mg/l Biodegradable

Effect of Overexposure:

Swallowing: May be fatal if large amounts are ingested.

Skin Absorption: Skin irritation may occur upon direct contact or prolonged exposure to skin.

Inhalation: Headache, dizziness, and nausea upon excessive inhalation.

Eye Contact: May cause redness, pain, and burns.

Carcinogenicity:

NTR: No

IARC: No

OSHA: No

6. Reactivity Data

Stability: Stable at normal conditions.

Conditions To Avoid: High temperatures over 130°F (54°C). Keep containers out of direct sunlight and away from sparks or flame.

Incompatibility (Materials To Avoid): Strong oxidizing agents.

Hazardous Combustion Or Decomposition Products: Carbon dioxide, carbon monoxide, and smoke.

Hazardous Polymerization: Will not occur.

7. Spill, Leak, And Waste Disposal Procedures

Steps To Be Taken In Case Material Is Released Or Spilled:

Remove all sources of ignition. Ventilate the area well. Large spills or leaks should be cleaned up and controlled with an inert absorbent material such as sand. Residue from application or small leaks or spills should be rinsed out with water.

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

8. Handling And Storage

Remove all sources of ignition and ventilate the area well. Recommended storage is between 30°F (-1°C) and 90°F (32°C). Avoid high temperatures over 130°F (54°C), sparks, open flame, or direct sunlight. 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: Use in well-ventilated area to eliminate vapors. Mechanical exhaust is not normally required unless used in confined area and/or individual has sensitive respiratory system.

Protective Gloves: Neoprene or VBR.

Eye Protection: Use safety goggles and/or face shield.

Protective Clothing: Where contact may occur, wear protective clothing.

Other Protective Clothing Or Equipment: A source of clean water should be nearby in the event of eye contact.

10. Regulation Information

Status On Substance List: None known.

EPA: None.

Status Right-To-Know: 1-Methyl-2-pyrrolidine is known to the State of California to cause birth defects or other reproductive harm.

SARA 311/312: Acute: Yes

11. Transportation Data

Quantity: 15 Gallons or less per inner pack - Consumer Commodity, ORM-D

Quantity: More than 15 Gal - Corrosive, Flammable

Proper Shipping Name: Flammable Liquids, n.o.s. (Contains 1-Methyl-2-pyrrolidine), Class 3, UN1993, PG III.

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: 1

FLAMMABILITY: 2

REACTIVITY: 0

Chemical Warning Label - Certol International

REMOVER MAGIC™ Graffiti Remover

No wall reference is necessary.

Product Name: REMOVER MAGIC™ Graffiti Remover

Hazardous Chemicals: 1-Methyl-2-Pyrrolidine

Personal Protection: Gloves, Safety Goggles, Face Shield

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

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