

Material Safety Data Sheet



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ULTRA SAFE™ Graffiti Remover Product Code: GRA

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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:

Do NOT induce vomiting. Wash mouth with plenty of water and seek medical attention.

SKIN CONTACT:

Wash skin with mild soap and water.

INHALATION:

Remove to fresh air and seek medical attention if breathing is difficult.

EYE CONTACT:

Flush eyes with water for 15 minutes. Seek medical attention if irritation continues.

1 IDENTIFICATION

PRODUCT NAME: ULTRA-SAFE GRAFFITI REMOVER

CHEMICAL NAME: Blend

SYNONYMS: N/A

2 HAZARDOUS COMPONENTS : CAS Number

Component	CAS Number
1-Methyl-2-pyrrolidine	872-50-4

3 PHYSICAL DATA

APPEARANCE: Clear Liquid

ODOR: citrus

SOLUBILITY IN WATER: 97%

BOILING POINT: over 198°F

FREEZING POINT: Below 0°F

VAPOR DENSITY: (Air=1) 5.1 @ 60-80°F

VAPOR PRESSURE: (mmHg) 3.8 @ 68°F

EVAPORATION RATE: (BuAc=1) Less than 1

SPECIFIC GRAVITY: 0.977

pH: 7

4 FIRE AND EXPLOSION HAZARD

FLASH POINT: 132°F (Pensky Marten CC)

FLAMMABLE LIMITS IN AIR: Not detected

SPECIAL FIRE FIGHTING PROCEDURES:

Cool containers with water if exposed to fire. It is suggested that firefighters wear positive pressure, self contained 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	ACGIH TLV	OSHA PEL	Toxicological Info LD50
1-Methyl-2-pyrrolidine	No data found	No data found	Rat oral: 3914 mg/kg LC50/96 hour for fish: over 100 mg/L Biodegradable

EFFECT OF SINGLE OVEREXPOSURE:

SWALLOWING:

May be harmful if large amounts are ingested.

SKIN ABSORPTION:

Acute 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, burns.

EFFECTS OF REPEATED OVEREXPOSURE:

Severe burns to skin, eyes, and respiratory tract.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:

May cause burns to skin, eye damage, respiratory problems.

OTHER EFFECTS OF OVEREXPOSURE:

None known

CARCINOGENICITY: NTR: No; IARC: No; OSHA: No

6 REACTIVITY DATA

STABILITY: Stable at ambient conditions.

CONDITIONS TO AVOID:

High temperatures over 130°F. 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 OR LEAK 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 by methods consistent with federal, state, and local regulations.

8 HANDLING AND STORAGE

Remove all sources of ignition and ventilate the area well. Recommended storage between 30° and 90°F. Avoid high temperatures over 130°F, sparks, open flame, or direct sunlight. Keep out of reach of children.

9 SPECIAL PROTECTIVE INFORMATION

RESPIRATORY PROTECTION:

A NIOSH/OSHA-approved cartridge-type or canister respirator with an organic vapor filter system is recommended.

VENTILATION:

Local exhaust as necessary to eliminate vapors. Mechanical exhaust is not normally required unless used in confined area and/or individual has sensitive respiratory system.

PROTECTIVE GLOVES:

Recommended: Neoprene or VBR.

EYE PROTECTION:

Use safety goggles and/or face shield.

PROTECTIVE CLOTHING:

Where contact may occur, wear protective clothing or chemical resistant apron.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

An eyewash station should be nearby and ready for use.

10 REGULATION INFORMATION

STATUS ON SUBSTANCE LISTS: FEDERAL EPA:

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 Gallon or less per inner pack –
Consumer Commodity, ORM-D

Quantity: more than 15 Gal –

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.

Below is a sample of **ProTector™** Chemical Warning Label available

From Certol International, LLC which reflects chemical information for **ULTRA-SAFE Graffiti Remover**.

No wall reference is necessary.

Below is the 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

Product Name: ULTRA-SAFE Graffiti Remover

Hazardous chemicals: 1-Methyl-2-pyrrolidine, CAS Number 872-50-4

<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
<input checked="" type="checkbox"/> Ingestion	<input type="checkbox"/> Carcinogen	<input type="checkbox"/> Below 100°F
<input checked="" type="checkbox"/> Skin/eye absorption	<input type="checkbox"/> Toxic	<input checked="" type="checkbox"/> Above 100°F not >200°F
	<input type="checkbox"/> Sensitizer	<input type="checkbox"/> Above 200°F
	<input type="checkbox"/> Normal Material	<input type="checkbox"/> Will not burn
<u>TARGET ORGAN EFFECTS</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 not 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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