

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 12/09/2005

Reviewed on 12/09/2005

1 Identification of substance

Trade name: GRAFFITI REMOVER
Product code: KF00200047
Manufacturer/Supplier: Keson Industries, Inc.
 810 Commerce Street
 Aurora, IL 60504-7931
 Phone: 1-800-34-KESON
 www.keson.com



Information department: Health & Safety Department
Emergency information: CHEMTEL 1-800-255-3924, 813-248-0585 if located outside the U.S.

2 Composition/Data on components

Chemical Description: This product is a mixture of the substances listed below with nonhazardous additions.

Dangerous components:

5989-27-5	d-limonene	29.28%
74-98-6	propane	18.9%
67-64-1	Acetone	15.31%
106-97-8	n-butane	11.1%
1119-40-0	dimethyl glutarate	9.76%
872-50-4	N-methyl-2-pyrrolidone	9.76%
68953-58-2	Alkyl Quaternary Ammonium Montmorillonite	4.98%

Additional information: For the wording of the listed risk phrases refer to section 3.

3 Hazards identification

Hazard description: Irritant
 Extremely flammable
 Dangerous for the environment

Physical dangers: Danger! Extremely flammable liquid and vapor in a pressurized container. Vapors may cause flash fire. Keep away from heat, sparks, and flame.
 Extremely flammable.
 Irritating to eyes, respiratory system and skin.
 May cause sensitization by skin contact.
 Keep out of the reach of children.

Effects of short-term overexposure: Vapors cause irritation to the eyes, nose, throat, skin, and central nervous system. Symptoms may include dizziness, throat irritation, headache, fatigue, swelling of eyes, and nausea.

Effects of chronic overexposure: May cause permanent brain and nervous system damage. Repeated overexposure can also damage kidneys, lungs, liver, heart, and blood. Intentional misuse by deliberately inhaling the contents may be harmful or fatal.

NFPA ratings (scale 0 - 4): Health = 1
 Fire = 4
 Reactivity = 3

HMIS-ratings (scale 0 - 4): Health= 1
 Fire= 4
 Physical Hazard= 3

4 First aid measures

After inhalation: If breathing is difficult, administer oxygen.
 Supply fresh air and to be sure call for a doctor.
After skin contact: Immediately wash with water and soap and rinse thoroughly.
After eye contact: Move to fresh air. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing: Contact physician or poison control center.

5 Fire fighting measures

Extinguishing agents: CO₂, sand, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards caused by the material, its products of combustion or resulting gases: During heating or in case of fire poisonous gases are produced.

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Trade name: GRAFFITI REMOVER**Protective equipment:** A respiratory protective device may be necessary.

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6 Accidental release measures**Personal safety precautions:**

Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.

Environmental safety precautions:

Do not allow product to reach sewage systems or ground water.
Inform appropriate authorities in case of seepage into water course or sewage system.

Measures for cleaning/collecting:

Do not flush with water or aqueous cleansing agents. Use diluted caustic solution. Soak up spills with inert absorbent material. Refer to section 13 for disposal information.

7 Handling and storage

Fire/explosion protection: Do not spray on a naked flame or any incandescent material.
Do not smoke. Protect from electrostatic charges.
Keep respiratory protective device available.

Storage requirements: Observe pressurized container storage regulations. Consult with your local authorities.
Keep away from sources of heat and direct sunlight. Do not warehouse in subfreezing conditions.

8 Exposure controls and personal protection:**Components with limit values that require monitoring at the workplace:****74-98-6 propane**

PEL	1800 mg/m ³ , 1000 ppm
REL	1800 mg/m ³ , 1000 ppm
TLV	(4508) mg/m ³ , (2500) ppm

106-97-8 n-butane

REL	1900 mg/m ³ , 800 ppm
TLV	1900 mg/m ³ , 800 ppm

Protective hygienic measures:

Keep away from foodstuffs and animal feed. Wash hands after use.

Breathing equipment:

A respirator is generally not necessary when using this product outdoors or in large open areas. In cases of inadequate ventilation, a respiratory protective device should be worn to prevent overexposure.
Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands:

Protective gloves. The glove material has to be impermeable and resistant to the substance. No glove recommendation can be given.

Eye protection:

Tightly sealed goggles

9 Physical and chemical properties:**General Information:**

Form:	Aerosol
Color:	According to trade name description in section 1.
Odor:	Solvent
Boiling point/Boiling range:	-44°C (-47°F)
Flash point:	-19°C (-2°F)
Ignition temperature:	255.0°C (491°F)
Auto igniting:	Product is not self-igniting.
Danger of explosion:	Stable at normal temperatures. Can may burst when exposed to temperatures exceeding 120 degrees fahrenheit. In use, may form flammable/explosive vapour-air mixture.
Lower Explosion Limit:	0.7 Vol %
Upper Explosion Limit:	10.9 Vol %
Vapor Pressure:	40 PSI, 2750 hPa
Density:	Not determined.
Specific Gravity:	Between 0.77 and 0.90 (Water equals 1.00)
VOC content:	699.2 g/l / 5.84 lb/gl
VOC in weight percent (less acetone):	69.9 %

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Water:	0.1 %
Solids content:	14.8 %

10 Stability and reactivity:

Conditions to be avoided: Do not allow the can to exceed 120 degrees Fahrenheit. Stable at normal temperatures.
Possibility of Hazardous Reactions: No dangerous reactions known.

11 Toxicological information:

Primary effect on the skin: Irritant to skin and mucous membranes.
Primary effect on the eye: Irritating effect.
Sensitization: Sensitization possible through skin contact.

12 Ecological information

Other information: This product does not contain any chloroflourocarbons (CFC's),chlorinated solvents, or heavy metals (lead, mercury, cadmium, etc.). No specific ecological data is available for this product.
Ecotoxic effects:
Remark: Very toxic for fish

13 Disposal considerations

DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans must be disposed of responsibly. Do not heat or cut empty containers with electric or gas torches.
Recommendation: Empty cans should be recycled.

14 Transport information:

Hazard class:	2.1
Identification number:	N/A
Label	2.1
ADR/RID class:	2 5F Gases
UN-Number:	1950
IMDG Class:	2
Packaging group:	II
EMS Number:	F-D,S-U
Marine pollutant:	Yes
ICAO/IATA Class:	2.1
Proper shipping name:	Aerosols, Flammable Consumer Commodity ORM-D

15 Regulations**SARA Section 355 (extremely hazardous substances):**

None of the ingredients in this product are listed.

SARA Section 313 (Specific toxic chemical listings):

872-50-4 | N-methyl-2-pyrrolidone

TSCA (Toxic Substances**Control Act):** All ingredients are listed.**PROPOSITION 65 Chemicals known to cause cancer:**

None of the ingredients in this product are listed.

PROPOSITION 65 Chemicals known to cause reproductive toxicity:

872-50-4 | N-methyl-2-pyrrolidone

Canadian WHMIS: Class A, B5---Flammable Aerosols**EPA:**

A= Known human carcinogen B= Probable human carcinogen

C= Possible human carcinogen

D= Not classifiable as to human carcinogenicity: Inadequate human and animal evidence of carcinogenicity (or no data is available).

IARC:

5989-27-5 | d-limonene

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ACGIH TLVs:

- A1-designates a confirmed human carcinogen.
- A2-designates a suspected human carcinogen.
- A3-designates an animal carcinogen.
- A4-designates "not classifiable as a human carcinogen".

NIOSH:

None of the ingredients is listed.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

USA