

# MSDS Material Safety Data Sheet

Hotsy



## Fat Cap Graffiti Remover Sign Saver

MSDS Number: H698031

Revision Date: March 22, 2011

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### 1 PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer

Kärcher North America, Inc.

325 S Price Road  
Chandler, AZ 85224

#### Contact:

Telephone Number: 360-833-1600

FAX Number: 360-833-9200

E-Mail: info@karcherna.com

Web www.karcher.com

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For Chemical Emergency, Spill, Leak, Fire, Exposure Call:  
CHEMTREC 1-800-424-9300, Outside US Call 1-703-527-3887

For Medical Emergency Call ROCKY MOUNTAIN POISON CENTER: 1-303-623-5716

### 2 HAZARDS IDENTIFICATION

Route of Entry: Eyes, Skin, Inhalation;  
Target Organs: Eyes; Skin; Respiratory system;  
Inhalation: Can cause irritation and inflammation of the respiratory tract.  
Skin Contact: Irritating to skin; may cause burns, blisters and itching.  
Eye Contact: Irritating to eyes, eye damage may occur.  
Ingestion: Irritating to intestinal tract; may cause burns, vomiting, stomach pain, and disorientation.

HMIS II-ratings (scale 0-4): Health = 2, Fire = 4, Reactivity = 0

HMIS® Rating H2/F4/PH0

NFPA-ratings (scale 0-4): Health = 2, Fire = 4, Reactivity = 0

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Perc.	Chemical Name
64175	<37%	Ethanol
67630	<5%	Isopropanol
67561	<2%	Methanol
872504	<29%	n-Methylpyrrolidone

OSHA Regulatory Status:

This MSDS contains valuable information critical to the safe handling and proper use of this product. This MSDS should be retained and available for employees and other users of this product.



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### 4 FIRST AID MEASURES

**Inhalation:** Remove from exposure and get fresh air. Keep warm and at rest. Get medical attention immediately if artificial respiration is required.

**Skin Contact:** Remove contaminated clothing, jewelry and shoes immediately. Flush affected area with large amounts of water, then use soap or mild detergent and large amounts of water for 15-20 minutes to cleanse area. If skin is severely irritated or burned, get medical attention immediately.

**Eye Contact:** Immediately flush eyes with large amounts of water occasionally lifting upper and lower lids for at least 15 minutes. Get immediate medical attention.

**Ingestion:** Rinse mouth with water. DO NOT INDUCE VOMITING unless instructed to by medical personnel. If vomiting occurs keep head lower than hips to help prevent aspiration. If person is unconscious, do not induce vomiting; turn their head to the side. Never make an unconscious person vomit or drink fluids. Get medical attention.

### 5 FIRE FIGHTING MEASURES

**Flash Point:** 68°F  
**Flash Point Method:** Closed Cup

Wear self-contained breathing apparatus and other protective clothing. Use any standard agent - choose the one most appropriate for type of surrounding fire.

### 6 ACCIDENTAL RELEASE MEASURES

Response team must use protective clothing to prevent body contact. Remove all sources of ignition. Keep all unnecessary personnel away. Spill area may be slippery. Pick up excess with inert absorbent material and place into separate waste container. Ventilate area and wash spill site after material pickup is complete, allow floor to dry before allowing traffic. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

### 7 HANDLING AND STORAGE

**Handling Precautions:** Do not get in eyes, on skin, or on clothing. Do not breathe vapor. Keep away from ignition sources. Keep container closed. Promptly clean up spills. Wash thoroughly after handling.

**Storage Requirements:** Store out of reach of children; keep container closed; store in a cool well-ventilated place away from all ignition sources and strong oxidizing or acidic materials.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Normal room ventilation is satisfactory for limited use.

**Protective Equipment:** HMIS PP, B | Safety glasses, Gloves

**Exposure Guidelines/Other:** Ethanol 67-17-5 OSHA PEL 1000 ppm - 1900 mg/m<sup>3</sup>  
Isopropanol 67-63-0 OSHA PEL 400 ppm/ 980 mg/m<sup>3</sup>

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### 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear light yellow	<b>Boiling Point:</b>	N/D
<b>Physical State:</b>	Liquid	<b>Freezing/Melting Pt.:</b>	N/D
<b>Odor:</b>	Citrus	<b>Solubility:</b>	Soluble
<b>pH:</b>	8.3 @ 10% solution	<b>Spec Grav./Density:</b>	7.53 lb/gal
<b>Vapor Pressure:</b>	N/D		
<b>Vapor Density:</b>	N/D		

### 10 STABILITY AND REACTIVITY

<b>Stability:</b>	Product is stable under normal conditions.
<b>Conditions to avoid:</b>	Ignition sources, open flames
<b>Materials to avoid (incompatibility):</b>	Strong oxidizing or acidic materials
<b>Hazardous Decomposition products:</b>	Product is Flammable! Exposure to fire may liberate carbon dioxide, carbon monoxide, organic acids, and other unidentified thermal decomposition products from this product or its packaging.
<b>Hazardous Polymerization:</b>	Will not occur.

### 11 TOXICOLOGICAL INFORMATION

#### Toxicity Data:

Ethanol 64-17-5

Oral ( LD 50): 7060 mg/kg - Rat

Inhalation ( LC 50): 20000 ppm/10H - Rat

Skin irritation: Mild - Rabbit

Eye irritation: Severe - Rabbit

Sensitation: Not considered an occupational sensitizer

Isopropanol 67-63-0

Oral ( LD 50): 5045 mg/kg - Rat

Inhalation ( LC 50): 16000 ppm/8H - Rat

Skin irritation: Mild - Rabbit

Eye irritation: Severe - Rabbit

Sensitation: Not considered an occupational sensitizer

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Methanol 67-56-1

Oral ( LD 50): 7 gm/kg - Monkey

Inhalation ( LC 50): 81000 mg/m<sup>3</sup>/14H - Rabbit

Skin irritation: Moderate - Rabbit

Eye irritation: Moderate - Rabbit

Sensitization: Not considered an occupational sensitizer

n-Methylpyrrolidone 872-50-4

Oral ( LD 50): 3914 mg/kg - Rat

Inhalation ( LC 50): Not listed on RTECS

Skin irritation: No data available

Eye irritation: Moderate - Rabbit

Sensitization: Not considered an occupational sensitizer

### 12 ECOLOGICAL INFORMATION

Refer to Section 6 for information regarding accidental releases and Section 15 for regulatory reporting information.

### 13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

### 14 TRANSPORT INFORMATION

UN1993 Flammable liquids, n.o.s., 3, (Ethanol), II Ship in accordance with 49 CFR parts 100-185.

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### REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

\*Ethanol (64175 <37%) MASS, OSHAWAC, PA, TSCA, TXAIR, WHMIS

\*Isopropanol (67630 <5%) MASS, NJHS, NRC, OSHAWAC, PA, SARA313, TSCA, TXAIR, WHMIS

\*Methanol (67561 <2%) CERCLA, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

\*n-Methylpyrrolidone (872504 <29%) MASS, NJHS, PA, SARA313, TSCA

REGULATORY KEY DESCRIPTIONS

All components are listed on TSCA

CERCLA = Superfund clean up substance

HAP = Hazardous Air Pollutants

MASS = MA Massachusetts Hazardous Substances List

NJHS = NJ Right-to-Know Hazardous Substances

NRC = Nationally Recognized Carcinogens

OSHA WAC = OSHA Workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

SARA313 = SARA 313 Title III Toxic Chemicals

TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)

TXAIR = TX Air Contaminants with Health Effects Screening Level

TXHWL = TX Hazardous Waste List

WHMIS = Workforce Hazardous Material Information System

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### OTHER INFORMATION

This document is prepared in accordance with 29 CFR 1910.1200. The purpose of this section is to ensure that the hazards of all chemicals produced or imported are evaluated, and that information concerning their hazards is transmitted to employers and employees.

All information appearing herein is based upon data obtained from the raw material manufacturer and/or recognized technical sources. While the information above is believed to be true and accurate, the author makes no representations as to its accuracy or sufficiency. Conditions of use are beyond the manufacturer's control; therefore the users are responsible to verify this data under their own particular conditions, applications and regulations to determine if the product is suitable for their particular purposes. The users assume all risks of product use, handling, disposal, reliance upon, publication or use of the information contained herein. This information applies only to the product designated above and does not necessarily apply to its use in combination with other materials, products, chemical compounds, structures or processes.

Prepared by: EHS Manager

END OF MSDS DOCUMENT