

## Professional Tile and Grout Cleaner

MSDS Number: D456

Revision Date: July 24, 2012

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### 1 PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer

PROCHEM  
Kärcher North America  
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Chandler, AZ 85224

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Fax: 480-786-9538  
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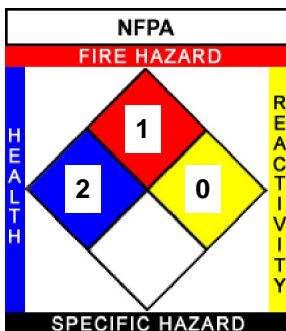
Product Name: Professional Tile and Grout Cleaner  
Revision Date: July 24, 2012  
MSDS Number: D456

For Chemical Emergency, Spill, Leak, Fire, Exposure Call:  
Emergency Telephone: (800) 535-5053 [Infotrac]

### 2 HAZARDS IDENTIFICATION

**Route of Entry:** Eyes; Skin; Inhalation; Ingestion;  
**Target Organs:** Eyes; Skin;  
**Inhalation:** Minimal respiratory tract irritation may occur with exposure to a large amount of material  
**Skin Contact:** May cause irritation.  
**Eye Contact:** May cause irritation.  
**Ingestion:** Small amounts swallowed incidental to normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause temporary injury.

NFPA: Health = 2, Fire = 1, Reactivity = 0  
HMIS III: H2/F1/PH0



HMIS III	
HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARDS	0
PERSONAL PROTECTION B   Safety Glasses, Gloves	

PERSONAL PROTECTION INDEX			
A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or S.O.P. for "SPECIAL" handling directions
A		n	
t		u	
		w	
		y	
		z	

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### 3 HAZARDS IDENTIFICATION

#### Ingredients:

CAS #	Percent	Chemical Name
1310583	<2%	Potassium hydroxide, solution
34590948	<5%	Dipropylene glycol methyl ether
112345	<2%	Diethylene glycol n-butyl ether

#### 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.

### 4 FIRST AID MEASURES

- Inhalation:** If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.
- Skin Contact:** Wash with soap and water. If irritation persists consult medical personnel.
- Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Get immediate medical attention.
- Ingestion:** If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. If injured party is conscious, give two glasses of water. Seek medical attention.

### 5 FIRE FIGHTING MEASURES

- Flash Point:** >212°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

Keep away from drains and ground water. 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. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

### 7 HANDLING AND STORAGE

- Handling Precautions:** Avoid contact with eyes, skin, or clothing; Consider normal working hygiene. Handle with care and avoid spillage on the floor (slippage). Keep away from sources of ignition; wash thoroughly after handling.
- Storage Requirements:** Store out of reach of children; keep container closed; store in a cool well-ventilated place away from strong oxidizing or acidic product.

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### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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

**Personal Protective Equip:** HMIS PP, B | Safety glasses, Gloves

### 9 PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear light green

**Physical State:** Liquid

**Spec Grav./Density:** 8.87 lb/gallon

**pH:** 12.98 as is

**Odor:** Citrus

**Solubility:** Soluble

### 10 STABILITY AND REACTIVITY

**Stability:** Product is stable under normal conditions.

**Conditions to Avoid:** None known

**Materials to Avoid:** None known

**Hazardous Decomposition:** Exposure to fire may liberate carbon dioxide, carbon monoxide, organic acids, and other unidentified thermal decomposition products from this product or its packaging.

**Hazardous Polymerization:** Will not occur.

### 11 TOXICOLOGICAL INFORMATION

**Route of Entry:** Eye contact, and Skin absorption/contact

**Effects of Acute Overexposure to Product:**

**Eye Contact:** Causes eye irritation, redness, tearing and blurred vision

**Skin Contact:** Causes skin irritation, defatting and dermatitis

**Inhalation:** Inhalation of mist or vapor may cause temporary respiratory irritation; temporary central nervous system effects including dizziness, weakness, fatigue, nausea, and headache.

**Ingestion:** May cause temporary gastrointestinal irritation with nausea, vomiting and diarrhea.

None of the components in this product are listed by NTP, IARC or OSHA as a carcinogen.

### 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.

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### 14 TRANSPORT INFORMATION

Refer to bill of lading or container label for DOT or other transportation hazard classification. Ship in accordance with 49 CFR parts 100-185.

### 15 REGULATORY INFORMATION

COMPONENT / (CAS/PERCENT) / CODES

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\*Potassium hydroxide, solution (1310583 <2%) CERCLA, CSWHS, MASS, OSHAWAC, PA, TXAIR

\*Dipropylene glycol methyl ether (34590948 <5%) MASS, OSHAWAC, PA, TXAIR, WHMIS 1%

\*Diethylene glycol n-butyl ether (112345 <2%) HAP, WHMIS 1%

REGULATORY KEY DESCRIPTIONS

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CERCLA = Superfund clean up substance  
CSWHS = Clean water Act Hazardous substances  
HAP = Hazardous Air Pollutants  
MASS = MA Massachusetts Hazardous Substances List  
OSHA = OSHA workplace Air Contaminants  
PA = PA Right-To-Know List of Hazardous Substances  
TXAIR = TX Air Contaminants with Health Effects Screening Level  
WHMIS = Workforce Hazardous Material Information System

### 16 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

Phone Number: [480] 899-7000