

SMP-1000

SDS Number: C698003

Revision Date: October 7, 2014

Page 1 of 6

## 1 PRODUCT AND COMPANY IDENTIFICATION

### Manufacturer

Kärcher North America, Inc.  
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Product Name: SMP-1000  
Revision Date: October 7, 2014  
Version: 46-16B  
SDS Number: C698003

Emergency Information: INFOTRAC 1-800-535-5053 International 1-352-323-3500

## 2 HAZARDS IDENTIFICATION

**Route of Entry:** Eyes, Skin, Inhalation  
**Target Organs:** Eyes; Skin  
**Inhalation:** Minimal respiratory tract irritation may occur with exposure to a large amount of material.  
**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

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

NFPA		
FIRE HAZARD		
HEALTH	1	REACTIVITY
2		0
SPECIFIC HAZARD		

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

PERSONAL PROTECTION INDEX													
A	Goggles	G	Goggles + Gloves + Respirator										
B	Goggles + Gloves	H	Goggles + Gloves + Apron + Respirator										
C	Goggles + Gloves + Apron	I	Goggles + Gloves + Respirator										
D	Face Shield + Gloves + Apron	J	Goggles + Gloves + Apron + Respirator										
E	Goggles + Gloves + Face Shield	K	Goggles + Gloves + Apron + Boots										
F	Goggles + Gloves + Apron + Face Shield	X	Consult your supervisor or S.O.P. for "SPECIAL" handling directions										
A	Safety Glasses	n	Spillout Goggles	O	Face Shield & Eye Protection	p	Gloves	q	Boots	r	Synthetic Apron	S	Full Suit
t	Dust Respirator	U	Vapor Respirator	w	Dust & Vapor Respirator	y	Full Face Respirator	Z	Airline Hood or Mask	Additional Information			

## SMP-1000

SDS Number: C698003

Revision Date: October 7, 2014

Page 2 of 6

GHS Signal Word:  
WARNING

GHS Hazard Pictograms:



GHS Classifications:

Health, Acute toxicity, 5 Oral  
Health, Acute toxicity, 4 Dermal  
Health, Serious Eye Damage/Eye Irritation, 2 A

GHS Phrases:

H303 - May be harmful if swallowed  
H312 - Harmful in contact with skin  
H319 - Causes serious eye irritation

GHS Precautionary Statements:

P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P302+352 - IF ON SKIN: Wash with soap and water.  
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.  
P337+313 - If eye irritation persists: Get medical advice/attention.  
P363 - Wash contaminated clothing before reuse.

### 3

### COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Percentage	Chemical Name
111-76-2	<4%	Ethylene glycol monobutyl ether
6834-92-0	<33%	Sodium metasilicate
497-19-8	<28%	Sodium Carbonate
7632-00-0	<2%	Sodium nitrite

**OSHA Regulatory Status:**

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

## SMP-1000

SDS Number: C698003

Revision Date: October 7, 2014

Page 3 of 6

### 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:** 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:** N/A

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. Keep away from drains and ground water. Keep all unnecessary personnel away. Spill area may be slippery. Sweep up, place in bag and hold for waste disposal. 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:** Do not get in eyes, on skin, or on clothing. Do not breathe dust. 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 strong oxidizing or acidic materials.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering Controls:** Normal room ventilation is satisfactory for limited use.
- Personal Protective Equip:** HMIS PP, B | Safety glasses, Gloves

Ethylene glycol butyl ether 111-76-2 OSHA PEL 50 ppm - 240 mg/m3

Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

- |                            |        |                    |         |
|----------------------------|--------|--------------------|---------|
| <b>Appearance:</b>         | Yellow | <b>Odor:</b>       | Citrus  |
| <b>Physical State:</b>     | Powder | <b>Solubility:</b> | Soluble |
| <b>Spec Grav./Density:</b> | N/A    |                    |         |

## SMP-1000

SDS Number: C698003

Revision Date: October 7, 2014

Page 4 of 6

pH: 11.9 @ 1% Solution

### 10 STABILITY AND REACTIVITY

<b>Stability:</b>	Product is stable under normal conditions.
<b>Conditions to Avoid:</b>	None known
<b>Materials to Avoid:</b>	None known
<b>Hazardous Decomposition:</b>	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:

##### Sodium metasilicate

Oral ( LD 50): 1153 mg/kg - Rat

Inhalation ( LC 50): Not Listed on RTECS

Skin irritation: Severe

Eye irritation: Severe

Sensitation: Not considered an occupational sensitizer

Chronic Toxicity: Not considered a carcinogen, developmental toxin or a mutagen

##### Sodium nitrite

Oral ( LD 50): 1153 mg/kg Rat

Inhalation ( LC 50): 5.5 mg/m<sup>3</sup>/4H Rat

Skin irritation: Mild

Eye irritation: Mild

Sensitation: Not considered an occupational sensitizer

Chronic Toxicity: Not considered a carcinogen, developmental toxin or a mutagen

##### Sodium Carbonate 497-19-8

Oral ( LD 50): 4090 mg/kg - Rat

Inhalation ( LC 50): 2300 mg/m<sup>3</sup>/2H - Rat

Skin irritation: Mild - Rabbit

Eye irritation: Moderate - Rabbit

Sensitation: Not considered an occupational sensitizer

##### Ethylene glycol butyl ether 111-76-2

## SMP-1000

SDS Number: C698003

Revision Date: October 7, 2014

Page 5 of 6

Oral ( LD 50): 917 mg/kg - Rat

Inhalation ( LC 50): 2900 mg/m<sup>3</sup>/7H - Rat

Skin irritation: Mild

Eye irritation: Mild

Sensitization: Not considered an occupational sensitizer

### 12 ECOLOGICAL INFORMATION

On the basis of available information, this material is not expected to produce any significant environmental effects when recommended use instructions are followed.

### 13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

### 14 TRANSPORT INFORMATION

Ship in accordance with 49 CFR parts 100-185.

Non-hazardous for air, sea and road freight.

### 15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

\*Ethylene glycol monobutyl ether (111762 <4%) MASS, OSHAWAC, PA, TSCA, TXAIR, WHMIS

\*Sodium metasilicate (6834920 <33%) TSCA, WHMIS

\*Sodium Carbonate (497198 <28%) TSCA, WHMIS

\*Sodium nitrite (7632000 <2%) CERCLA, CSWHS, MASS, PA, SARA313, TSCA, WHMIS

REGULATORY KEY DESCRIPTIONS

All components are listed on TSCA

CERCLA = Superfund clean up substance

CSWHS = Clean water Act Hazardous substances

MASS = MA Massachusetts Hazardous Substances List

OSHA = OSHA workplace Air Contaminants

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

SARA313 = SARA 313 Title III Toxic Chemicals

TXAIR = TX Air Contaminants with Health Effects Screening Level

WHMIS = workforce Hazardous Material Information System

## SMP-1000

SDS Number: C698003

Revision Date: October 7, 2014

Page 6 of 6

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