

## Truckmount Descaler

MSDS Number: E551

Revision Date: November 21, 2013

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### 1 PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer

Kärcher North America, Inc.  
325 S Price Road  
Chandler, AZ 85224

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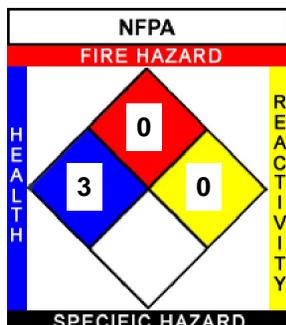
Product Name: Truckmount Descaler  
Revision Date: November 21, 2013  
Version: 41-93A  
MSDS Number: E551

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; 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:** Corrosive, causes eye burns.  
**Ingestion:** Irritating to intestinal tract; may cause burns, vomiting, stomach pain, and disorientation.

NFPA: Health = 3, Fire = 0, Reactivity = 0  
HMIS III: H3/F0/PH0



HMIS III	
HEALTH	3
FLAMMABILITY	0
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	Respirator + Gloves + Apron	J	Goggles + Gloves + Apron + Respirator										
E	Goggles + Gloves + Respirator	K	Respirator + Gloves + Apron + Boots										
F	Goggles + Gloves + Apron + Respirator	X	Consult your supervisor or S.O.P. for "SPECIAL" handling directions										
A	Safety Glasses	n	Splash 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			

GHS Hazard Pictograms:



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### GHS Classifications:

Health, Acute toxicity, 4 Oral  
Health, Acute toxicity, 4 Dermal  
Health, Skin corrosion/irritation, 1 B  
Health, Acute toxicity, 4 Inhalation

### GHS Phrases:

Warning, H302 - Harmful if swallowed  
Warning, H312 - Harmful in contact with skin  
Danger, H314 - Causes severe skin burns and eye damage  
Warning, H332 - Harmful if inhaled

### GHS Precautionary Statements:

Wash thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Wear protective gloves/protective clothing/eye protection/face protection.  
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
IF ON SKIN: Wash with soap and water.  
IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do.  
Continue rinsing.  
Get medical advice/attention.  
This material must be handled as a hazardous waste

## 3 HAZARDS IDENTIFICATION

### Ingredients:

CAS #	Percentage	Chemical Name
5329-14-6	<100%	Sulfamic acid

### 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.

## 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:** N/A  
**Flash Point Method:** Closed Cup

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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

Isolate area; keep unnecessary personnel away. Do not discharge into drains. Ventilate closed spaces before entering. Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. Wear appropriate protective equipment and clothing during cleanup. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

### 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.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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

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

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.

No OSHA PEL established for listed chemicals

### 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	White	<b>Odor:</b>	None
<b>Physical State:</b>	Powder	<b>Solubility:</b>	Soluble
<b>pH:</b>	1.1 - 1.6 @ 1% Solution		

### 10 STABILITY AND REACTIVITY

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

**Conditions to Avoid:** None Known

**Materials to Avoid:** Strong oxidizing or acidic materials

**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

**Toxicity Data:**

Sulfamic Acid 5329-14-6

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Oral ( LD 50): 3160 mg/kg - Rat

Inhalation ( LC 50): Not listed on RTECS

Skin irritation: Mild - Human

Eye irritation: Severe - Rabbit

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 all applicable regulations.

### 14 TRANSPORT INFORMATION

UN2967 Sulfamic Acid, 8, III. Ship in accordance with 49 CFR parts 100-185.

### 15 REGULATORY INFORMATION

COMPONENT / (CAS/PERCENT) / CODES

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\*Sulfamic acid (5329146 <100%) TSCA, WHMIS

REGULATORY KEY DESCRIPTIONS

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All components are listed on TSCA

WHMIS = workplace Haz Mat Info Sys Canada

### 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