

Aluminum & Alloy Cleaner

MSDS Number: C905725

Revision Date: January 11, 2010

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Kärcher North America, Inc.

325 S Price Road
Chandler, AZ 85224

Contact:

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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; Ingestion;

Target Organs: Eyes; Skin; Respiratory system; Gastrointestinal 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 = 0, Reactivity = 0

HMIS Rating H2/F0/PH0®

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

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Perc.	Chemical Name
6834920	2-4%	Sodium metasilicate
98000	10-15%	Furfuryl alcohol

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:	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

Response team must use protective clothing to prevent body contact. 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 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.
Protective Equipment:	HMIS PP, B Safety glasses, Gloves
Exposure Guidelines/Other:	Furfuryl alcohol 98-00-0 OSHA PEL 2 mg/m3

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9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear Brown	Boiling Point:	N/D
Physical State:	Liquid	Freezing/Melting Pt.:	N/D
Odor:	Musty	Solubility:	Soluble
pH:	11.66	Spec Grav./Density:	8.94 lb/gal
Vapor Pressure:	N/D		
Vapor Density:	N/D		

VOC: 12.7%

10 STABILITY AND REACTIVITY

Stability:	Product is stable under normal conditions.
Conditions to avoid:	Extreme high heat
Materials to avoid (incompatibility):	Strong oxidizing or acidic materials
Hazardous Decomposition products:	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:

Sodium Metasilicate 6834-92-0

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

Inhalation (LC 50): Not listed on RTECS

Skin irritation: Severe

Eye irritation: Severe

Sensitization: Not considered an occupational sensitizer

Furfuryl Alcohol 98-00-0

Oral (LD 50): 177 mg/kg - Rat

Inhalation (LC 50): 233 ppm/4H - Rat

Skin irritation: Mild

Eye irritation: Moderate

Sensitization: Not considered an occupational sensitizer

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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

DOT Class: Not regulated #

Non-hazardous for air, sea and road freight.

15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Sodium metasilicate (6834920 2-4%) TSCA, WHMIS 1%

*Furfuryl alcohol (98000 10-15%) MASS, OSHAWAC, PA, TSCA, TXAIR, WHMIS 1%

REGULATORY KEY DESCRIPTIONS

All components are listed on TSCA

MASS = MA Massachusetts Hazardous Substances List

OSHA WAC = 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

END OF MSDS DOCUMENT