

Red Rescue Part B

MSDS Number: E410B

Revision Date: November 25, 2013

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Kärcher North America, Inc.
Prochem
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Chandler, AZ 85224

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Product Name: Red Rescue Part B
Revision Date: November 25, 2013
Version: 45-21A
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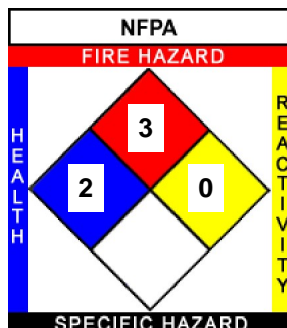
Emergency Information: INFOTRAC 1-800-535-5053 International 1-352-323-3500

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:	May cause irritation.
Eye Contact:	May cause irritation.
Ingestion:	Ingestion is not applicable route of entry for intended use.

NFPA:
HMIS III:

Health = 2, Fire = 3, Reactivity = 0
H2/F3/PH0



HMIS III		
HEALTH	<input checked="" type="checkbox"/>	2
FLAMMABILITY		3
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		o		p		q		r		s	
Safety Glasses Splash Goggles Face Shield & Eye Protection Gloves Boots Synthetic fabric Full body suit													
t		u		w		y		z		Additional Information			
Dust Respirator Vapor Respirator Dust & Vapor Respirator Full Facepiece Respirator Airline Hood													

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GHS Hazard Pictograms:



GHS Classifications:

Health, Acute toxicity, 5 Oral
Health, Skin corrosion/irritation, 3
Health, Serious Eye Damage/Eye Irritation, 2 B
Physical, Flammable Liquids, 3

GHS Phrases:

Warning, H303 - May be harmful if swallowed
Warning, H316 - Causes mild skin irritation
Warning, H320 - Causes eye irritation
Warning, H226 - Flammable liquid and vapour

GHS Precautionary Statements:

Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do.

Continue rinsing.

Call a POISON CENTER or doctor/physician if you feel unwell.
If eye irritation persists: Get medical advice/attention.
In case of fire: Use ABC extinguisher for extinction.
Store in a well ventilated place. Keep cool.

3 HAZARDS IDENTIFICATION

Ingredients:

CAS #	Percentage	Chemical Name
6834-92-0	<3%	Sodium metasilicate
67-63-0	<7%	Isopropyl alcohol

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: 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.

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5 FIRE FIGHTING MEASURES

Flash Point: 34°C/ 93.2°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: Keep away from children. Store in cool/dry area; Keep container closed.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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

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

Isopropyl Alcohol 67-63-0 OSHA PEL 400 ppm/ 980 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

Appearance: Clear colorless

Physical State: Liquid

Spec Grav./Density: 8.40 lb/gallon

pH: 12.78

Odor: Alcohol

Solubility: Soluble

Flash Point: 34C / 93.2F

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.

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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

Isopropyl Alcohol 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

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

Limited Quantity (Ltd Qty) Ship in accordance with 49 CFR parts 100-185.

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REGULATORY INFORMATION

COMPONENT / (CAS/PERCENT) / CODES

*Sodium metasilicate (6834920 <3%) TSCA, WHMIS

*Isopropyl alcohol (67630 <7%) MASS, NJHS, NRC, OSHAWAC, PA, SARA313, TSCA, TXAIR, WHMIS

REGULATORY KEY DESCRIPTIONS

All components are listed on TSCA

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

TXAIR = TX Air Contaminants with Health Effects Screening Level

WHMIS = Workplace Haz Mat Info Sys Canada

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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

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