



Red Rescue
Material Safety Data Sheets (MSDS)

MSDS Safety Data Sheet

Prochem



Red Rescue - Part A

MSDS Number: E410A

Revision Date: April 24, 2012

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

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

Phone: 480-899-7000
Fax: 480-786-9538
Email: info@prochem.com
Web: www.prochem.com

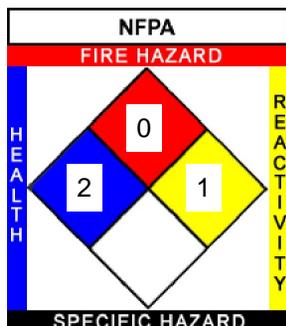
Product Name: Red Rescue - Part A
Revision Date: April 24, 2012
MSDS Number: E410A

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 = 0, Reactivity = 1
HMIS III: H2/F0/PH1



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

PERSONAL PROTECTION INDEX			
A	Goggles	G	Goggles + Gloves + Respirator
B	Goggles + Gloves	H	Goggles + Gloves + Boots + Respirator
C	Goggles + Gloves + Boots	I	Goggles + Gloves + Respirator + Boots
D	Goggles + Gloves + Boots + Respirator	J	Goggles + Gloves + Boots + Respirator + Synthetic Airtight Suit
E	Goggles + Gloves + Boots + Respirator + Synthetic Airtight Suit	K	Goggles + Gloves + Boots + Respirator + Synthetic Airtight Suit + Full Face Mask
F	Goggles + Gloves + Boots + Respirator + Synthetic Airtight Suit + Full Face Mask	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 Airtight Suit
s	Full Face Mask	t	Dust Respirator
u	Vapor Respirator	w	Dust & Vapor Respirator
y	Full Face Respirator	z	Airtight Hood or Mask
Additional Information			

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3 HAZARDS IDENTIFICATION

Ingredients:

CAS #	Percent	Chemical Name
7631905	<17%	Sodium bisulfite
7647145	<2%	Sodium Chloride

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 alkaline 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 Pale Brown	Odor:	Sulfite
Physical State:	Liquid	Solubility:	Soluble
Spec Grav./Density:	9.67 lb/gal.		
pH:	3.0 - 3.5		

10 STABILITY AND REACTIVITY

Stability: Product is stable under normal conditions.
Conditions to Avoid: Open flames, ignition points, heat sources
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 temporary 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.

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

*Sodium bisulfite (7631905 <17%) CERCLA, CSWS, MASS, OSHAWAC, PA, TXAIR, WHMIS 1%

REGULATORY KEY DESCRIPTIONS

CERCLA = Superfund clean up substance
CSWS = 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
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

MSDS Safety Data Sheet

Prochem



Red Rescue - Part B

MSDS Number: E410B

Revision Date: April 24, 2012

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

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

Phone: 480-899-7000
Fax: 480-786-9538
Email: info@prochem.com
Web: www.prochem.com

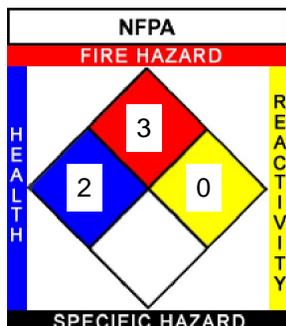
Product Name: Red Rescue - Part B
Revision Date: April 24, 2012
MSDS Number: E410B

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 = 3, Reactivity = 0
HMIS III: H2/F3/PH0



HMIS III	
HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARDS	0
PERSONAL PROTECTION B Safety Glasses, Gloves	

PERSONAL PROTECTION INDEX			
A	Goggles	G	Goggles + Gloves + Respirator
B	Goggles + Gloves	H	Goggles + Gloves + Boots + Respirator
C	Goggles + Gloves + Boots	I	Goggles + Gloves + Respirator + Boots
D	Respirator + Gloves + Boots	J	Goggles + Gloves + Boots + Respirator
E	Goggles + Gloves + Respirator	K	Respirator + Gloves + Boots + Goggles
F	Goggles + Gloves + Boots + 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	Additional Information	
t	Dust Respirator	u	Vapor Respirator
w	Dust & Vapor Respirator	y	Full Face Respirator
z	Airline Hood or Mask		

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3 HAZARDS IDENTIFICATION

Ingredients:

CAS #	Percent	Chemical Name
6834920	<2%	silicic acid (H ₂ SiO ₃), disodium salt
67630	<11%	Isopropyl 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.

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:	93°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 alkaline product.

Red Rescue - Part B

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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	Odor:	Alcohol
Physical State:	Liquid	Solubility:	Soluble
Spec Grav./Density:	8.37 lb/gal		
pH:	12.5 - 13.0		

10 STABILITY AND REACTIVITY

Stability: Product is stable under normal conditions.
Conditions to Avoid: Open flames, ignition points, heat sources
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

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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.

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

*Isopropyl alcohol (67630 <11%) MASS, NJHS, NRC, OSHAWAC, PA, SARA313, TXAIR, WHMIS 1%

*silicic acid (H₂SiO₃), disodium salt (6834920 <2%), WHMIS 1%

REGULATORY KEY DESCRIPTIONS

MASS = MA Massachusetts Hazardous Substances List
NJHS = NJ Right-to-Know Hazardous Substances
NRC = Nationally Recognized Carcinogens
OSHAWAC = 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

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

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