

***PROCHEM***<sup>®</sup>

**Professional Spotting Kit  
K250**

**Safety Data Sheets (SDSs)  
&  
Product Selection Guide  
Booklet**

## Professional Spotting Kit SDS Booklet

### Introduction

The Prochem Professional Spotting Kit provides professional cleaner with a complete kit of spotting products and tools, from the leading company in professional carpet and upholstery cleaning products.

Prochem is also concerned about helping the professional cleaner to stay in compliance with worker safety regulations. This booklet of Safety Data Sheets (SDSs) is provided to make it easier to comply with the requirements of the federal Hazard Communication Standard (“Worker Right-to-Know”) as well as similar state right-to-know laws enacted in most states.

One of the requirements of these regulations is that the employer must provide SDSs for chemicals used by the employee. The SDSs must be immediately accessible in the employee’s work area. For a mobile professional cleaning operation, this generally means SDSs must be kept in the van.

This booklet contains SDSs for the spotting products and additives contained in the Professional Spotting Kit.

***PROCHEM***®

## 1 PRODUCT AND COMPANY IDENTIFICATION

### Manufacturer

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

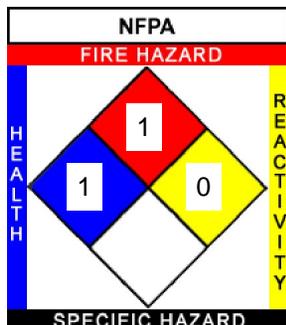
Contact: Prochem  
 Phone: 480-899-7000  
 Fax: 480-786-9538  
 Email: info@prochem.com  
 Web: www.prochem.com

Product Name: Pro Spotter  
 Revision Date: June 21, 2013  
 Version: 45-18E  
 MSDS Number: B121

## 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: Health = 1, Fire = 1, Reactivity = 0  
 HMIS III: H1/F1/PH0



HMIS III	
HEALTH	1
FLAMMABILITY	1
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	
t		u		w		y		Z		Additional information			

GHS Classifications:  
 Health, Acute toxicity, 5 Oral  
 Health, Skin corrosion/irritation, 3  
 Health, Serious Eye Damage/Eye Irritation, 2 B

**GHS Phrases:**

- Warning, H303 - May be harmful if swallowed
- Warning, H316 - Causes mild skin irritation
- Warning, H320 - Causes eye irritation

**GHS Precautionary Statements:**

- Wash thoroughly after handling.
- Wear protective gloves/protective clothing/eye protection/face protection.
- 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.

GHS PICTOGRAMS: No GHS Pictograms

**3 HAZARDS IDENTIFICATION**

**Ingredients:**

CAS #	Percentage	Chemical Name
111-76-2	<5%	Ethylene glycol monobutyl ether

**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.

**5 FIRE FIGHTING MEASURES**

- Flash Point:** 100°C/ 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.

Pro Spotter

MSDS Number: B121

Revision Date: June 21, 2013

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**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

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

**9 PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Clear colorless	Odor:	Floral
Physical State:	Liquid	Solubility:	Soluble
Spec Grav./Density:	8.45 lb/gal		
pH:	6.5 - 7.5 as is / 7.0 - 7.5 RTU		

**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.

**11 TOXICOLOGICAL INFORMATION**

Toxicity Data:

Ethylene glycol butyl ether 111-76-2

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

Inhalation ( LC 50): 2900 mg/m3/7H - 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/PERCENT) / CODES

-----  
 \*Ethylene glycol monobutyl ether (111762 <5%) MASS, OSHAWAC, PA, TSCA, TXAIR, WHMIS

REGULATORY KEY DESCRIPTIONS

-----  
 All components are listed on TSCA

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 = 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

Phone Number: [480] 899-7000

## Protein and Stain Spotter

MSDS Number: B144

Revision Date: May 30, 2013

Page 1 of 5

### 1 PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer

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

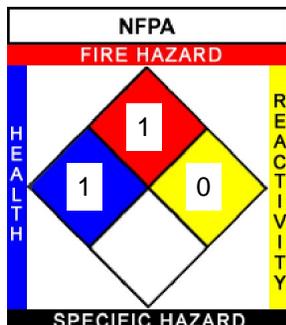
Contact: Prochem  
Phone: 480-899-7000  
Fax: 480-786-9538  
Email: info@prochem.com  
Web: www.prochem.com

Product Name: Protein and Stain Spotter  
Revision Date: May 30, 2013  
Version: 45-18D  
MSDS Number: B144

### 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: Health = 1, Fire = 1, Reactivity = 0  
HMIS III: H1/F1/PH0



HMIS III	
HEALTH	1
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 + Boots + Respirator										
C	Goggles + Gloves + Boots	I	Goggles + Gloves + Respirator										
D	Goggles + Gloves + Boots + Respirator	J	Goggles + Gloves + Boots + Respirator										
E	Goggles + Gloves + Boots + Respirator	K	Goggles + Gloves + Boots + Respirator										
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
t	Dust Respirator	u	Vapor Respirator	w	Eluent & Vapor Respirator	y	Full Face Respirator	Z	Airline Hood or Mase	Additional Information			

#### GHS Classifications:

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

## Protein and Stain Spotter

MSDS Number: B144

Revision Date: May 30, 2013

Page 2 of 5

### GHS Phrases:

- Warning, H303 - May be harmful if swallowed
- Warning, H316 - Causes mild skin irritation
- Warning, H320 - Causes eye irritation

### GHS Precautionary Statements:

- Wash thoroughly after handling.
- Wear protective gloves/protective clothing/eye protection/face protection.
- 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.

GHS PICTOGRAMS: No GHS Pictograms

## 3 HAZARDS IDENTIFICATION

### Ingredients:

CAS #	Percentage	Chemical Name
111-76-2	<5%	Ethylene glycol monobutyl ether
112-34-5	<5%	Diethylene glycol monobutyl ether

### 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.

## 5 FIRE FIGHTING MEASURES

- Flash Point: 100°C/ 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.

## Protein and Stain Spotter

MSDS Number: B144

Revision Date: May 30, 2013

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### 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

Ethylene glycol butyl ether 111-76-2 OSHA PEL 50 ppm - 240 mg/m<sup>3</sup>

### 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear colorless	Odor:	Mint
Physical State:	Liquid	Solubility:	Soluble
Spec Grav./Density:	8.58 lb/gal		
pH:	10.68 as is / 10.0 - 10.5 RTU		

### 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.

### 11 TOXICOLOGICAL INFORMATION

#### Toxicity Data:

Ethylene glycol butyl ether 111-76-2

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

Diethylene glycol butyl ether 112-34-5

Oral ( LD 50): 5660 mg/kg - Rat

Inhalation ( LC 50): Not listed on RTECS

## Protein and Stain Spotter

MSDS Number: B144

Revision Date: May 30, 2013

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Skin irritation: Moderate

Eye irritation: Severe

Sensitation: 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/PERCENT) / CODES

\*Ethylene glycol monobutyl ether (111762 <5%) MASS, OSHAWAC, PA, TSCA, TXAIR, WHMIS

\*Diethylene glycol monobutyl ether (112345 <5%) TSCA, WHMIS

\*Diethylene glycol monobutyl ether (112345 <5%) TSCA, WHMIS

REGULATORY KEY DESCRIPTIONS

All components are listed on TSCA

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 = workplace Haz Mat Info Sys Canada

## Protein and Stain Spotter

MSDS Number: B144

Revision Date: May 30, 2013

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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.

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Prepared by: EHS Manager

Phone Number: [480] 899-7000

## Pet Spotter

MSDS Number: B153

Revision Date: June 18, 2013

Page 1 of 4

### 1 PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer

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

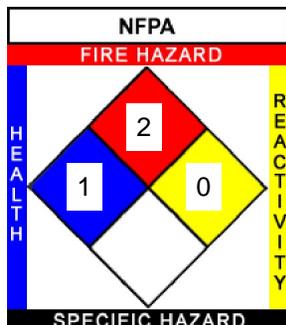
Contact: Prochem  
 Phone: 480-899-7000  
 Fax: 480-786-9538  
 Email: info@prochem.com  
 Web: www.prochem.com

Product Name: Pet Spotter  
 Revision Date: June 18, 2013  
 Version: 42-29A  
 MSDS Number: B153

### 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: Health = 1, Fire = 2, Reactivity = 0  
 HMIS III: H1/F2/PH0



HMIS III	
HEALTH	1
FLAMMABILITY	2
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										
D	Goggles + Gloves + Boots + Respirator	J	Goggles + Gloves + Boots + Respirator										
E	Goggles + Gloves + Boots + Respirator	K	Goggles + Gloves + Boots + Respirator										
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 Aeron	S	Full Suit
t	Dust Respirator	u	Vapor Respirator	w	Elust & Vapor Respirator	y	Full Face Respirator	Z	Airline Hood or MBe	Additional Information			

GHS Classifications:  
 Health, Acute toxicity, 5 Oral  
 Health, Skin corrosion/irritation, 3  
 Health, Serious Eye Damage/Eye Irritation, 2 B

## Pet Spotter

MSDS Number: B153

Revision Date: June 18, 2013

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### GHS Phrases:

- Warning, H303 - May be harmful if swallowed
- Warning, H316 - Causes mild skin irritation
- Warning, H320 - Causes eye irritation

### GHS Precautionary Statements:

- Wash thoroughly after handling.
- Wear protective gloves/protective clothing/eye protection/face protection.
- 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.

GHS PICTOGRAMS: No GHS Pictograms

## 3 HAZARDS IDENTIFICATION

### Ingredients:

CAS #	Percentage	Chemical Name
79-14-1	<3%	Glycolic Acid 70% Solution

### 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.

## 5 FIRE FIGHTING MEASURES

Flash Point: 79°C/ 174°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.

## Pet Spotter

MSDS Number: B153

Revision Date: June 18, 2013

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### 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

No OSHA PEL established for listed chemicals

### 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear light yellow	Odor:	Citrus floral
Physical State:	Liquid	Solubility:	Soluble
Spec Grav./Density:	8.42 lb/gal		
pH:	3.2 as is		

### 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.

### 11 TOXICOLOGICAL INFORMATION

#### Toxicity Data:

Glycolic acid - 79-14-1

Oral ( LD 50):1950 mg/kg - Rat

Inhalation ( LC 50): 7.1 gm/m3/4H - Rat

Skin irritation: Severe - Rabbit

Eye irritation: Severe - Rabbit

Sensitization: Not considered an occupational sensitizer

Pet Spotter

MSDS Number: B153

Revision Date: June 18, 2013

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## 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/PERCENT) / CODES

-----  
 \*Glycolic Acid 70% solution (79141 <3%) TSCA, WHMIS

REGULATORY KEY DESCRIPTIONS

-----  
 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

Phone Number: [480] 899-7000

## Power Solvent

MSDS Number: B167

Revision Date: May 29, 2013

Page 1 of 4

## 1 PRODUCT AND COMPANY IDENTIFICATION

### Manufacturer

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

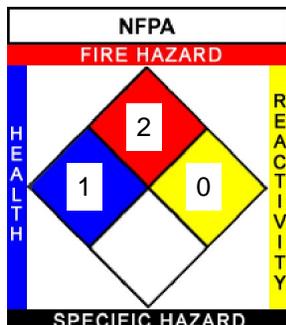
Contact: Prochem  
Phone: 480-899-7000  
Fax: 480-786-9538  
Email: info@prochem.com  
Web: www.prochem.com

Product Name: Power Solvent  
Revision Date: May 29, 2013  
Version: 45-18B  
MSDS Number: B167

## 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: Health = 1, Fire = 2, Reactivity = 0  
HMIS III: H1/F2/PH0



HMIS III	
HEALTH	1
FLAMMABILITY	2
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										
D	Goggles + Gloves + Boots + Respirator	J	Goggles + Gloves + Boots + Respirator										
E	Goggles + Gloves + Boots + Respirator	K	Goggles + Gloves + Boots + Respirator										
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 Aeron	S	Full Suit
t	Dust Respirator	u	Vapor Respirator	w	Elust & Vapor Respirator	y	Full Face Respirator	Z	Airline Hood or MBe	Additional Information			

### GHS Classifications:

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

## Power Solvent

MSDS Number: B167

Revision Date: May 29, 2013

Page 2 of 4

### GHS Phrases:

- Warning, H303 - May be harmful if swallowed
- Warning, H316 - Causes mild skin irritation
- Warning, H320 - Causes eye irritation

### GHS Precautionary Statements:

- Wash thoroughly after handling.
- Wear protective gloves/protective clothing/eye protection/face protection.
- 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.

GHS PICTOGRAMS: No GHS Pictograms

## 3 HAZARDS IDENTIFICATION

### Ingredients:

CAS #	Percentage	Chemical Name
872-50-4	<5%	n-Methylpyrrolidone

### 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.

## 5 FIRE FIGHTING MEASURES

- Flash Point: 67°C/ 153°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.

## Power Solvent

MSDS Number: B167

Revision Date: May 29, 2013

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### 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

No OSHA PEL established for listed chemicals

### 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear colorless	Odor:	Citrus
Physical State:	Liquid	Solubility:	Soluble
Spec Grav./Density:	6.89 lb/gal		

### 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.

### 11 TOXICOLOGICAL INFORMATION

#### Toxicity Data:

n-Methylpyrrolidone 872-50-4

Oral ( LD 50): 3914 mg/kg - Rat

Inhalation ( LC 50): Not listed on RTECS

Skin irritation: No data available

Eye irritation: Moderate - Rabbit

Sensitization: Not considered an occupational sensitizer

## Power Solvent

MSDS Number: B167

Revision Date: May 29, 2013

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**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/PERCENT) / CODES

-----

\*n-Methylpyrrolidone (872504 <5%) MASS, NJHS, PA, SARA313, TSCA

REGULATORY KEY DESCRIPTIONS

-----

All components are listed on TSCA

MASS = MA Massachusetts Hazardous Substances List  
NJHS = NJ Right-to-Know Hazardous Substances  
PA = PA Right-To-Know List of Hazardous Substances  
SARA313 = SARA 313 Title III Toxic Chemicals

**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

## Paint Oil and Grease Remover

MSDS Number: B173

Revision Date: June 3, 2013

Page 1 of 4

### 1 PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer

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

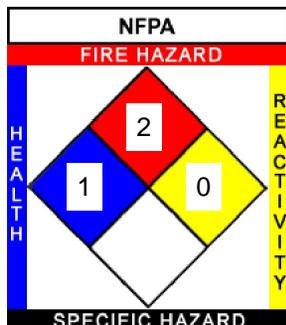
Contact: Prochem  
Phone: 480-899-7000  
Fax: 480-786-9538  
Email: info@prochem.com  
Web: www.prochem.com

Product Name: Paint Oil and Grease Remover  
Revision Date: June 3, 2013  
Version: 45-18F  
MSDS Number: B173

### 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: Health = 1, Fire = 2, Reactivity = 0  
HMIS III: H1/F2/PH0



HMIS III	
HEALTH	1
FLAMMABILITY	2
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										
D	Goggles + Gloves + Boots + Respirator	J	Goggles + Gloves + Boots + Respirator										
E	Goggles + Gloves + Boots + Respirator	K	Goggles + Gloves + Boots + Respirator										
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 Aeron	s	Full Suit
t	Dust Respirator	u	Vapor Respirator	w	Elust & Vapor Respirator	y	Full Face Respirator	z	Airline Hood or MBe	Additional Information			

#### GHS Classifications:

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

## Paint Oil and Grease Remover

MSDS Number: B173

Revision Date: June 3, 2013

Page 2 of 4

### GHS Phrases:

- Warning, H303 - May be harmful if swallowed
- Warning, H316 - Causes mild skin irritation
- Warning, H320 - Causes eye irritation

### GHS Precautionary Statements:

- Wash thoroughly after handling.
- Wear protective gloves/protective clothing/eye protection/face protection.
- 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.

GHS PICTOGRAMS: No GHS Pictograms

## 3 HAZARDS IDENTIFICATION

### Ingredients:

CAS #	Percentage	Chemical Name
872-50-4	<4%	n-Methylpyrrolidone

### 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.

## 5 FIRE FIGHTING MEASURES

- Flash Point: 86°C/ 187°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.

## Paint Oil and Grease Remover

MSDS Number: B173

Revision Date: June 3, 2013

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### 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

Petroleum distillates 8052-41-3 OSHA PEL 500 ppm/ 2900 mg/m3

### 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear colorless

Physical State: Liquid

Spec Grav./Density: 7.40 lb/gal

Odor: Solvent

Solubility: Soluble

### 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.

### 11 TOXICOLOGICAL INFORMATION

Toxicity Data:

n-Methylpyrrolidone 872-50-4

Oral ( LD 50): 3914 mg/kg - Rat

Inhalation ( LC 50): Not listed on RTECS

Skin irritation: No data available

Eye irritation: Moderate - 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.

## Paint Oil and Grease Remover

MSDS Number: B173

Revision Date: June 3, 2013

Page 4 of 4

**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/PERCENT) / CODES

-----  
\*n-Methylpyrrolidone (872504 <4%) MASS, NJHS, PA, SARA313, TSCA

REGULATORY KEY DESCRIPTIONS

-----  
All components are listed on TSCA

MASS = MA Massachusetts Hazardous Substances List  
NJHS = NJ Right-to-Know Hazardous Substances  
PA = PA Right-To-Know List of Hazardous Substances  
SARA313 = SARA 313 Title III Toxic Chemicals

**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

## Coffee & Tannin Spotter

MSDS Number: B182

Revision Date: June 18, 2013

Page 1 of 5

### 1 PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer

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

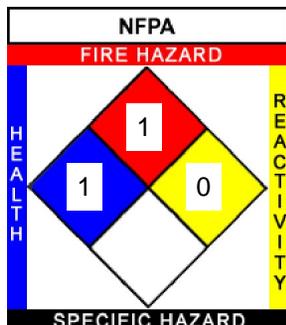
Contact: Prochem  
Phone: 480-899-7000  
Fax: 480-786-9538  
Email: info@prochem.com  
Web: www.prochem.com

Product Name: Coffee & Tannin Spotter  
Revision Date: June 18, 2013  
Version: 41-74A  
MSDS Number: B182

### 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: Health = 1, Fire = 1, Reactivity = 0  
HMIS III: H1/F1/PH0



HMIS III	
HEALTH	1
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 + Boots + Respirator										
C	Goggles + Gloves + Boots	I	Goggles + Gloves + Respirator										
D	Goggles + Gloves + Boots + Respirator	J	Goggles + Gloves + Boots + Respirator										
E	Goggles + Gloves + Boots + Respirator	K	Goggles + Gloves + Boots + Respirator										
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 Airtight Suit	S	Full Suit
t	Dust Respirator	u	Vapor Respirator	w	Eluent & Vapor Respirator	y	Full Face Respirator	Z	Airtight Hood or Mase	Additional Information			

#### GHS Classifications:

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

## Coffee &amp; Tannin Spotter

MSDS Number: B182

Revision Date: June 18, 2013

Page 2 of 5

## GHS Phrases:

Warning, H303 - May be harmful if swallowed  
Warning, H316 - Causes mild skin irritation  
Warning, H320 - Causes eye irritation

## GHS Precautionary Statements:

Wash thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.  
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.

GHS PICTOGRAMS: No GHS Pictograms

**3 HAZARDS IDENTIFICATION**

## Ingredients:

CAS #	Percentage	Chemical Name
7631-90-5	<7%	Sodium bisulfite
34590-94-8	<4%	Dipropylene glycol methyl ether

## 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.

**5 FIRE FIGHTING MEASURES**

Flash Point: 100°C/ 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.

## Coffee & Tannin Spotter

MSDS Number: B182

Revision Date: June 18, 2013

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### 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

No OSHA PEL established for listed chemicals.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear colorless	Odor:	Sulfur
Physical State:	Liquid	Solubility:	Soluble
Spec Grav./Density:	8.68 lb/gal		
pH:	4.44 as is 3.5 - 4.5 RTU		

### 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.

### 11 TOXICOLOGICAL INFORMATION

#### Toxicity Data:

Sodium Molybdate 7631-95-0

Oral ( LD 50): 4 gm/kg - Rat

Inhalation ( LC 50): 2080 mg/m<sup>3</sup>/4H - Rat

Skin irritation: Mild

Eye irritation: Moderate

Sensitization: Not considered an occupational sensitizer

Dipropylene glycol methyl ether 34590-94-8

Oral ( LD 50): 5400 uL/kg - Rat

Inhalation ( LC 50): Not listed on RTECS

## Coffee & Tannin Spotter

MSDS Number: B182

Revision Date: June 18, 2013

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Skin irritation: Mild - Rabbit

Eye irritation: Mild - 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

Ship in accordance with 49 CFR parts 100-185. Non-hazardous for air, sea and road freight.

### 15 REGULATORY INFORMATION

COMPONENT / (CAS/PERCENT) / CODES

\*Sodium bisulfite (7631905 <7%) CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIR, WHMIS

\*Dipropylene glycol methyl ether (34590948 <4%) MASS, OSHAWAC, PA, TSCA, TXAIR, 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

OSHAWAC = OSHA workplace Air Contaminants

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

TXAIR = TX Air Contaminants with Health Effects Screening Level

WHMIS = workplace Haz Mat Info Sys Canada

## Coffee &amp; Tannin Spotter

MSDS Number: B182

Revision Date: June 18, 2013

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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.

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Prepared by: EHS Manager

Phone Number: [480] 899-7000

## Rust Remover

MSDS Number: B198

Revision Date: June 3, 2013

Page 1 of 5

### 1 PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer

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

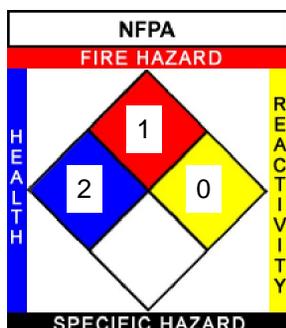
Contact: Prochem  
Phone: 480-899-7000  
Fax: 480-786-9538  
Email: info@prochem.com  
Web: www.prochem.com

Product Name: Rust Remover  
Revision Date: June 3, 2013  
Version: 43-72B  
MSDS Number: B198

### 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: 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



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	Goggles + Gloves + Apron + Respirator	J	Goggles + Gloves + Apron + Respirator										
E	Goggles + Gloves + Respirator	K	Goggles + 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:



## Rust Remover

MSDS Number: B198

Revision Date: June 3, 2013

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### GHS Classifications:

Health, Acute toxicity, 4 Oral  
 Health, Acute toxicity, 4 Dermal  
 Health, Serious Eye Damage/Eye Irritation, 1

### GHS Phrases:

Warning, H302 - Harmful if swallowed  
 Warning, H312 - Harmful in contact with skin  
 Danger, H318 - Causes serious eye damage

### 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.  
 Wash contaminated clothing before reuse.

## 3 HAZARDS IDENTIFICATION

### Ingredients:

CAS #	Percentage	Chemical Name
144-62-7	<9%	Oxalic acid (as dihydrate)
112-34-5	<5%	Diethylene glycol monobutyl ether
7664-38-2	<6%	Phosphoric 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: 100 °C / 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.

## Rust Remover

MSDS Number: B198

Revision Date: June 3, 2013

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### 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 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.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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

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

Phosphoric Acid 7664-38-2 OSHA PEL 1 mg/m<sup>3</sup>

### 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Opaque off-white	Odor:	Sassafras
Physical State:	Liquid	Solubility:	Soluble
Spec Grav./Density:	8.82 lb/gal		
pH:	0.5 - 1.5		

### 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:

Oxalic Acid 144-62-7

Oral ( LD 50): Not listed on RTECS

Intraperitoneal (injection) 270 mg/kg - Mouse

Inhalation ( LC 50): Not listed on RTECS

## Rust Remover

MSDS Number: B198

Revision Date: June 3, 2013

Page 4 of 5

Skin irritation: Mild

Eye irritation: Severe

Sensitization: Not considered an occupational sensitizer

## Diethylene glycol butyl ether 112-34-5

Oral ( LD 50): 5660 mg/kg - Rat

Inhalation ( LC 50): Not listed on RTECS

Skin irritation: Moderate

Eye irritation: Severe

Sensitization: Not considered an occupational sensitizer

## Phosphoric Acid 7664-38-2

Oral ( LD 50): 1200 mg/kg - Rat

Inhalation ( LC 50): 25.5 mg/m<sup>3</sup> - rat

Skin irritation: Severe

Eye irritation: Severe

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

Gallon case - Limited Quantity

5/55 gallon - UN1760 Corrosive liquids, n.o.s., (Oxalic acid), 8, III

Ship in accordance with 49 CFR parts 100-185.

## Rust Remover

MSDS Number: B198

Revision Date: June 3, 2013

Page 5 of 5

### 15 REGULATORY INFORMATION

COMPONENT / (CAS/PERCENT) / CODES

\*Oxalic acid (as dihydrate) (144627 <9%) MASS, OSHAWAC, PA, TSCA, TXAIR, WHMIS

\*Diethylene glycol monobutyl ether (112345 <5%) TSCA, WHMIS

\*Phosphoric acid (7664382 <6%) CERCLA, CSWHS, EPCRAWPC, MASS, NJHS, OSHAWAC, SARA313, TSCA, TXAIR, WHMIS

#### REGULATORY KEY DESCRIPTIONS

All components are listed on TSCA

CERCLA = Superfund clean up substance

CSWHS = Clean water Act Hazardous substances

EPCRAWPC = EPCRA Water Priority Chemicals

MASS = MA Massachusetts Hazardous Substances List

NJHS = NJ Right-to-Know Hazardous Substances

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 = 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

Phone: 480-899-7000

Zoop!

MSDS Number: E837

Revision Date: July 2, 2013

Page 1 of 4

## 1 PRODUCT AND COMPANY IDENTIFICATION

### Manufacturer

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

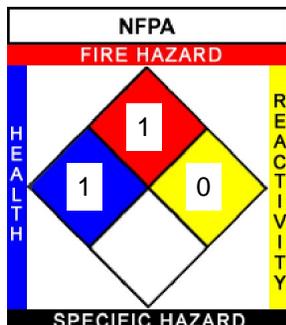
Contact: Prochem  
Phone: 480-899-7000  
Fax: 480-786-9538  
Email: info@prochem.com  
Web: www.prochem.com

Product Name: Zoop!  
Revision Date: July 2, 2013  
Version: 45-85  
MSDS Number: E837

## 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: Health = 1, Fire = 1, Reactivity = 0  
HMIS III: H1/F1/PH0



HMIS III	
HEALTH	1
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 + Boots + Respirator										
C	Goggles + Gloves + Boots	I	Goggles + Gloves + Respirator										
D	Goggles + Gloves + Boots + Respirator	J	Goggles + Gloves + Boots + Respirator										
E	Goggles + Gloves + Boots + Respirator	K	Goggles + Gloves + Boots + Respirator										
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
t	Dust Respirator	u	Vapor Respirator	w	Elust & Vapor Respirator	y	Full Face Respirator	z	Airline Hood or Mabe	Additional Information			

### GHS Classifications:

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

Zoop!

MSDS Number: E837

Revision Date: July 2, 2013

Page 2 of 4

**GHS Phrases:**

- Warning, H303 - May be harmful if swallowed
- Warning, H316 - Causes mild skin irritation
- Warning, H320 - Causes eye irritation

**GHS Precautionary Statements:**

- Wash thoroughly after handling.
- Wear protective gloves/protective clothing/eye protection/face protection.
- 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.

GHS PICTOGRAMS: No GHS Pictograms

**3 HAZARDS IDENTIFICATION**

**Ingredients:**

CAS #	Percentage	Chemical Name
112-34-5	<42%	Diethylene glycol monobutyl ether

**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.

**5 FIRE FIGHTING MEASURES**

- Flash Point:** 100°C/ 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.

Zoop!

MSDS Number: E837

Revision Date: July 2, 2013

Page 3 of 4

**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

No OSHA PEL established for listed chemicals

**9 PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Clear yellow	Odor:	Floral
Physical State:	Liquid	Solubility:	Soluble
Spec Grav./Density:	8.38 lb/gal		
pH:	6.59 as is / 6.0 - 7.0 RTU		

**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.

**11 TOXICOLOGICAL INFORMATION**

Toxicity Data:

Diethylene glycol butyl ether 112-34-5

Oral ( LD 50): 5660 mg/kg - Rat

Inhalation ( LC 50): Not listed on RTECS

Skin irritation: Moderate

Eye irritation: Severe

Sensitization: Not considered an occupational sensitizer

Zoop!

MSDS Number: E837

Revision Date: July 2, 2013

Page 4 of 4

## 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/PERCENT) / CODES

-----  
 \*Diethylene glycol monobutyl ether (112345 <42%) TSCA, WHMIS

REGULATORY KEY DESCRIPTIONS

-----  
 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

Phone Number: [480] 899-7000

## Citrus Gel

MSDS Number: E840

Revision Date: May 22, 2013

Page 1 of 5

### 1 PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer

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

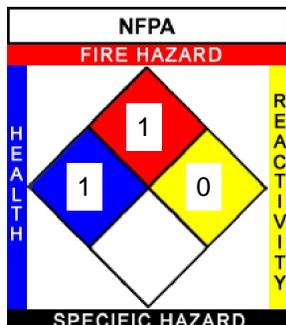
Contact: Prochem  
Phone: 480-899-7000  
Fax: 480-786-9538  
Email: info@prochem.com  
Web: www.prochem.com

Product Name: Citrus Gel  
Revision Date: May 22, 2013  
Version: 45-21C  
MSDS Number: E840

### 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: Health = 1, Fire = 1, Reactivity = 0  
HMIS III: H1/F1/PH0



HMIS III	
HEALTH	1
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 + Boots + Respirator										
C	Goggles + Gloves + Boots	I	Goggles + Gloves + Respirator										
D	Goggles + Gloves + Boots + Respirator	J	Goggles + Gloves + Boots + Respirator										
E	Goggles + Gloves + Boots + Respirator	K	Goggles + Gloves + Boots + Respirator										
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
t	Dust Respirator	u	Vapor Respirator	w	Eluent & Vapor Respirator	y	Full Face Respirator	Z	Airline Hood or MBe	Additional Information			

#### GHS Classifications:

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

## Citrus Gel

MSDS Number: E840

Revision Date: May 22, 2013

Page 2 of 5

## GHS Phrases:

Warning, H303 - May be harmful if swallowed  
Warning, H316 - Causes mild skin irritation  
Warning, H320 - Causes eye irritation

## GHS Precautionary Statements:

Wash thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.  
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.

GHS PICTOGRAMS: No GHS Pictograms

**3 HAZARDS IDENTIFICATION**

## Ingredients:

CAS #	Percentage	Chemical Name
5989-27-5	<4%	d-Limonene
872-50-4	<5%	n-Methylpyrrolidone

## 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.

**5 FIRE FIGHTING MEASURES**

Flash Point: 100°C/ 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.

## Citrus Gel

MSDS Number: E840

Revision Date: May 22, 2013

Page 3 of 5

### 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

No OSHA PEL established for listed chemicals

### 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Thick white		
Physical State:	Liquid	Odor:	Citrus
Spec Grav./Density:	7.16 lb/gal		
pH:	4.32		

### 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.

### 11 TOXICOLOGICAL INFORMATION

#### Toxicity Data:

d-Limonene 5989-27-5

Oral ( LD 50): 4400 mg/kg - Rat

Inhalation ( LC 50): Not Listed on RTECS

Skin irritation: Mild

Eye irritation: Severe

Sensitation: Not considered an occupational sensitizer

n-Methylpyrrolidone 872-50-4

Oral ( LD 50): 3914 mg/kg - Rat

Inhalation ( LC 50): Not listed on RTECS

## Citrus Gel

MSDS Number: E840

Revision Date: May 22, 2013

Page 4 of 5

Skin irritation: No data available

Eye irritation: Moderate - 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

Ship in accordance with 49 CFR parts 100-185. Non-hazardous for air, sea and road freight.

### 15 REGULATORY INFORMATION

COMPONENT / (CAS/PERCENT) / CODES

-----  
\*Sodium metasilicate (6834920 <40%) TSCA, WHMIS

\*d-Limonene (5989275 <4%) TSCA, WHMIS

\*n-Methylpyrrolidone (872504 <5%) MASS, NJHS, PA, SARA313, TSCA

REGULATORY KEY DESCRIPTIONS

-----  
All components are listed on TSCA

MASS = MA Massachusetts Hazardous Substances List  
 NJHS = NJ Right-to-Know Hazardous Substances  
 PA = PA Right-To-Know List of Hazardous Substances  
 SARA313 = SARA 313 Title III Toxic Chemicals  
 WHMIS = Workplace Haz Mat Info Sys Canada

## Citrus Gel

MSDS Number: E840

Revision Date: May 22, 2013

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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.

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Prepared by: EHS Manager

Phone Number: [480] 899-7000

Solv Ink

MSDS Number: E848

Revision Date: June 21, 2013

Page 1 of 5

## 1 PRODUCT AND COMPANY IDENTIFICATION

### Manufacturer

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

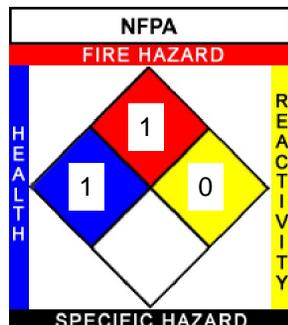
Contact: Prochem  
Phone: 480-899-7000  
Fax: 480-786-9538  
Email: info@prochem.com  
Web: www.prochem.com

Product Name: Solv Ink  
Revision Date: June 21, 2013  
Version: 45-21D  
MSDS Number: E848

## 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: Health = 1, Fire = 1, Reactivity = 0  
HMIS III: H1/F1/PH0



HMIS III	
HEALTH	1
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 + Boots + Respirator										
C	Goggles + Gloves + Boots	I	Goggles + Gloves + Respirator										
D	Goggles + Gloves + Boots + Respirator	J	Goggles + Gloves + Boots + Respirator										
E	Goggles + Gloves + Boots + Respirator	K	Goggles + Gloves + Boots + Respirator										
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 Airtight Suit	s	Full Suit
t	Dust Respirator	u	Vapor Respirator	w	Dust & Vapor Respirator	y	Full Face Respirator	z	Airtight Hood or Mase	Additional Information			

### GHS Classifications:

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

## Solv Ink

MSDS Number: E848

Revision Date: June 21, 2013

Page 2 of 5

## GHS Phrases:

Warning, H303 - May be harmful if swallowed  
Warning, H316 - Causes mild skin irritation  
Warning, H320 - Causes eye irritation

## GHS Precautionary Statements:

Wash thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.  
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.

GHS PICTOGRAMS: No GHS Pictograms

**3 HAZARDS IDENTIFICATION**

## Ingredients:

CAS #	Percentage	Chemical Name
112-34-5	<80%	Diethylene glycol monobutyl ether
872-50-4	<5%	n-Methylpyrrolidone
119-36-8	<4%	Methyl salicylate

## 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.

**5 FIRE FIGHTING MEASURES**

Flash Point: 97°C/ 207°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.

Solv Ink

MSDS Number: E848

Revision Date: June 21, 2013

Page 3 of 5

## 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

No OSHA PEL established for listed chemicals

## 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear colorless		
Physical State:	Liquid	Odor:	Wintergreen Mint
Spec Grav./Density:	8.15 lb/gal	Solubility:	Soluble

## 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.

## 11 TOXICOLOGICAL INFORMATION

### Toxicity Data:

Diethylene glycol butyl ether 112-34-5

Oral ( LD 50): 5660 mg/kg - Rat

Inhalation ( LC 50): Not listed on RTECS

Skin irritation: Moderate

Eye irritation: Severe

Sensitation: Not considered an occupational sensitizer

n-Methylpyrrolidone 872-50-4

Oral ( LD 50): 3914 mg/kg - Rat

Inhalation ( LC 50): Not listed on RTECS

Solv Ink

MSDS Number: E848

Revision Date: June 21, 2013

Page 4 of 5

Skin irritation: No data available

Eye irritation: Moderate - Rabbit

Sensitation: Not considered an occupational sensitizer

Methyl Salicylate 119-36-8

Oral ( LD 50): 887 mg/kg - Rat

Inhalation ( LC 50): Not listed on RTECS

Skin irritation: Moderate - Rabbit

Eye irritation: Moderate - Rabbit

Sensitation: 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/PERCENT) / CODES

\*Diethylene glycol monobutyl ether (112345 <80%) TSCA, WHMIS

\*n-Methylpyrrolidone (872504 <5%) MASS, NJHS, PA, SARA313, TSCA

\*Methyl salicylate (119368 <4%) PA, TSCA, TXAIR

REGULATORY KEY DESCRIPTIONS

All components are listed on TSCA

MASS = MA Massachusetts Hazardous Substances List

NJHS = NJ Right-to-Know Hazardous Substances

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

Solv Ink

MSDS Number: E848

Revision Date: June 21, 2013

Page 5 of 5

16

## OTHER INFORMATION

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Prepared by: EHS Manager

Phone Number: [480] 899-7000

***PROCHEM***<sup>®</sup>  
***#1 FOR A REASON!***

K250

Professional Spotting Kit  
Product Selection Guide

# PRODUCT SELECTION GUIDE

**PRE-TEST BEFORE USE.**

***Apply, let stand, extract! Works great on these soiled areas!***

Pre-test all products in an inconspicuous area for colorfastness and fabric stability before use. Apply, let stand 5 -15 minutes, blot – do not rub, extract. Work from the outside of large spots toward the center.

B121	<b>Pro Spotter</b>	Beer, candy, honey, syrup, liquor, water-based spots
E840	<b>Citrus Gel</b>	Asphalt, tar, oil, auto grease, bacon, gravy, fatty oils, gum, liquor, latex paint (fresh), body oils, chewing gum
B144	<b>Protein &amp; Stain Spotter</b>	Beer, eggs, butter, fat, margarine, candy, chocolate, cocoa, cream, milk, ice cream, grass stains, fruit/berries, ketchup, tomato sauce, blood
B182	<b>Coffee &amp; Tannin Spotter</b>	Coffee, tea, cola, wine, some ink stains, berry stains
E837	<b>Zoop!</b>	Beer, soft drinks, cream, milk, ice cream, food fats, blood, eggs, chocolate, fecal stains, butter, vomit, grass, jelly, ketchup, mildew, mustard, body oils
B198	<b>Rust Remover</b>	Rust, iron oxide, blood, metal stains, some furniture stains
E848	<b>Solv Ink</b>	Inks, varnish spots, glues, nail polish
B167	<b>Power Solvent</b>	Gum, grease, oil, tape adhesive, mascara, cosmetic dyes, lipstick, bug stains, asphalt, tar, skin oils
B153	<b>Pet Spotter</b>	Pet urine, feces & animal waste, tannin spots, alkaline residues
B173	<b>Paint, Oil &amp; Grease Remover</b>	Paint, oil, grease, butter & margarine, asphalt & tar, rubber marks

**NOTE:** Read product labels for complete mixing and use instructions before use. The following PROCHEM cleaning products are referenced in this guide but not included in the Professional Spotting Kit: All Fiber Rinse (B109), Olefin Pre Clean (E827), Ultracac Trafficlean (S712), Oxy Plus (B155).

# SPOTTING INSTRUCTIONS

\* Do not apply these products directly to carpeting. Use towel to blot.

**ASPHALT / TAR / ROAD OILS:** Scrape off excess. Apply Citrus Gel (E840) or Power Solvent\* (B167) or POG\* (B173). Tamp well. Pre-spray with Ultracac Trafficlean (S712) and extract with All Fiber Rinse (B109). Repeat if necessary.

**AUTO GREASE / MOTOR OIL / RUBBER MARKS:** Scrape off excess. Apply Citrus Gel (E840) or Power Solvent\* (B167). Tamp well. Allow dwell time. Pre-spray with Ultracac Trafficlean (S712) and extract with All Fiber Rinse (B109). Repeat if necessary.

**BACON / GREASE / GRAVY:** Scrape off excess. Apply Citrus Gel (E840) or Power Solvent\* (B167) or POG\* (B173). Tamp well. Allow dwell time. Extract with All Fiber Rinse (B109). Repeat if necessary.

**BEER / SOFT DRINKS:** Apply Pro Spotter (B121) or Protein & Stain Spotter (B144). Tamp well. Allow dwell time. Extract. For difficult stains apply Zoop! (E837). Allow 10-15 min or longer dwell time. Extract with All Fiber Rinse (B109).

**BLOOD / EGGS:** Apply Pro Spotter (B121) or Protein & Stain Spotter (B144) or Zoop! (E837). Tamp well. Allow dwell time. Extract. If still noticeable, apply Rust Remover (B198). Extract with All Fiber Rinse (B109).

**BUTTER / FATS / MARGARINE:** Apply Citrus Gel (E840) or Protein & Stain Spotter (B144) or Power Solvent\* (B167). Tamp well. Allow dwell time. Extract with All Fiber Rinse (B109).

**CANDLE WAX / CRAYON:** Scrape off excess. Apply Power Solvent\* (B167) or Citrus Gel (E840). Tamp well. Extract with All Fiber Rinse (B109).

**CANDY / HONEY / SYRUP:** Apply Pro Spotter (B121) or Protein & Stain Spotter (B144). Tamp well. Allow dwell time. Extract with All Fiber Rinse (B109).

**CHEWING GUM:** Harden chewing gum with ice. Scrape off excess. Apply Citrus Gel (E840) or Power Solvent\* (B167) sparingly to gum spot. Allow dwell time. Scrape off remaining material with spatula. Extract with All Fiber Rinse (B109).

**CHOCOLATE / COCOA:** Scrape off excess. Apply Pro Spotter (B121) or Protein & Stain Spotter (B144). Tamp well. Allow dwell time. Extract with All Fiber Rinse (B109).

**COFFEE / TEA / WINE:** Apply Coffee & Tannin Spotter (B182). Tamp well. Allow dwell time. Extract with All Fiber Rinse (B109).

**CREAM / MILK / ICE CREAM:** Apply Protein & Stain Spotter (B144). Tamp well. Allow dwell time. Extract with All Fiber Rinse (B109). For difficult stains apply Zoop! (E837). Allow 10-15 min. or longer dwell time. Extract. NOTE: Old stains may require longer exposure time.

**FECES:** Scrape off excess. Apply Protein & Stain Spotter (B144) or Pet Spotter (B153). Allow to dwell. Extract. For difficult stains apply Zoop! (E837). Allow 10-15 min or longer dwell time. Extract with All Fiber Rinse (B109).

**INK:** Apply Solv Ink (E848). Blot with white paper towel. Repeat if necessary. Pre-spray with Ultracac Trafficlean (S712) and extract with All Fiber Rinse (B109).

**IODINE / BETADINE:** Apply Protein & Stain Spotter (B144). Allow to dwell. Extract with All Fiber Rinse (B109).

**KETCHUP / TOMATO SAUCE:** Apply Protein & Stain Spotter (B144). Allow to dwell. Extract with All Fiber Rinse (B109).

**LIQUOR:** Apply Pro Spotter (B121). Allow to dwell. Extract with All Fiber Rinse (B109).

**MILDEW:** Apply Protein & Stain Spotter (B144). Tamp well. Allow dwell time. Extract with All Fiber Rinse (B109). For difficult stains apply Zoop! (E837). Allow 10-15 min. or longer dwell time. Extract with All Fiber Rinse (B109).

**MUSTARD:** Apply Pro Spotter (B121). Allow dwell time. Extract with All Fiber Rinse (B109). For difficult stains apply Zoop! (E837). Allow 10-15 min. or longer dwell time. Extract with All Fiber Rinse (B109).

**PAINT (FRESH) / NAIL POLISH:** Apply Citrus Gel (E840) or Power Solvent\* (B167) or POG\* (B173). Allow 5-10 min. dwell time. Extract with All Fiber Rinse (B109). Repeat as necessary.

**PAINT (DRIED):** Cross cut paint film to allow product penetration. Apply Citrus Gel (E840) or Power Solvent\* (B167) or POG\* (B173). Allow dwell time. Extract with All Fiber Rinse (B109).

**PERSPIRATION / BODY OILS:** Apply Pro Spotter (B121) or Citrus Gel (E840) or Protein & Stain Spotter (B144). Tamp well. Allow dwell time. Extract with All Fiber Rinse (B109).

**PET URINE:** Apply Pro Spotter (B121) or Pet Spotter (B153). Tamp well. Allow dwell time. Extract with All Fiber Rinse (B109). For difficult stains apply Zoop! (E837). Allow 10-15 min or longer dwell time. Extract with All Fiber Rinse (B109).

**RUST / FURNITURE STAINS:** Apply Rust Remover (B198) or Power Solvent\* (B167). Allow to dwell. Extract with All Fiber Rinse (B109). Repeat as necessary.

**SHOE POLISH / LIPSTICK:** Scrape off excess with spatula. Apply Citrus Gel (E840) or Power Solvent\* (B167). Allow to dwell. Blot with white paper towel. Pre-spray with Ultracac Trafficlean (S712) and extract with All Fiber Rinse (B109).

**YELLOW CIGARETTE SMOKE:** Remove initial residue with P.O.G.\*(B173). Apply Oxy Plus solution (B155, 1 oz/gal). Allow it to dwell for 5 to 10 minutes. Extract with Olefin Pre Clean (E827) followed by All Fiber Rinse solution (B109).

**VOMIT / PET FOOD:** Scrape off excess. Apply Protein & Stain Spotter (B144), Zoop! (E837) or Pet Spotter (B153). Tamp well. Allow dwell time. Extract with All Fiber Rinse (B109).

\* Do not apply these products directly to carpeting. Use towel to blot.

# ENSEMBLE DE DÉTACHAGE PROFESSIONNEL

## Guide de sélection de produit

*Application, temps de rétention, extraction. Trois étapes faciles pour attaquer les taches!*

Avant d'utiliser un produit, effectuez un test à un endroit caché pour vérifier la solidité de la couleur et la stabilité du tissu. Appliquez, laissez reposer de 5 à 15 minutes, épongez – ne frottez pas, extrayez. Pour les grandes taches, travaillez de l'extérieur vers l'intérieur.

B121	<b>Pro Spotter</b>	Bière, bonbon, miel, sirop, spiritueux, taches à base d'eau
E840	<b>Citrus Gel</b>	Bitume, goudron, huile, cambouis, bacon, sauce, huiles fixes, gomme, encre, spiritueux, peinture au latex (fraîche), huiles corporelles, gomme à mâcher
B144	<b>Protein &amp; Stain Spotter</b>	Bière, œufs, beurre, gras, margarine, bonbon, chocolat, cacao, crème, lait, crème glacée, taches de pelouse, petits fruits, ketchup, sauce tomate, sang
B182	<b>Coffee &amp; Tannin Spotter</b>	Café, thé, cola, certaines taches d'encre, taches de petits fruits
E837	<b>Zoop!</b>	Bière, boissons gazeuses, crème, lait, crème glacée, gras d'aliments, sang, œufs, chocolat, taches fécales, beurre, vomissure, pelouse, gelée, ketchup, moisissure, moutarde, huiles corporelles
B198	<b>Rust Remover</b>	Rouille, oxyde de fer, sang, taches de métal
E848	<b>Solv Ink</b>	Encres, taches de vernis, colles, vernis à ongles
B167	<b>Power Solvent</b>	Gomme, graisse, huile, ruban adhésif, rimmel, teintures de produits de beauté, rouge à lèvres, taches d'insectes, bitume, goudron, huiles corporelles
B153	<b>Pet Spotter</b>	Urine d'animal domestique, excréments et déchets d'animaux, taches de tannin, résidus alcalins
B173	<b>Paint, Oil &amp; Grease Remover</b>	Peinture, huile, graisse, beurre et margarine, bitume et goudron, traces de caoutchouc

**NOTA:** Avant d'utiliser, bien lire l'étiquette de produit pour connaître les instructions de mélange ainsi que le mode d'emploi. Dans ce guide, nous faisons référence aux produits PROCHEM suivants, mais ils ne sont pas compris dans l'ensemble de détachage professionnel: All Fiber Rinse (B109), Olefin Pre Clean (E827), Ultracpac Trafficlean (S712).

# INSTRUCTIONS DE DÉTACHAGE

\* N'appliquez pas ces produits directement sur le tapis. Utilisez une serviette pour éponger.

**BACON / GRAISSE / SAUCE:** Enlever l'excédent en raclant. Appliquer Citrus Gel (E840) ou Power Solvent\* (B167) ou POG\* (B173). Bien damer. Allouer un temps de rétention. Extraire en utilisant All Fiber Rinse (B109). Répéter si nécessaire.

**BEURRE / GRAS / MARGARINE:** Appliquer Citrus Gel (E840) ou Protein & Stain Spotter (B144) ou Power Solvent\* (B167). Bien damer. Allouer un temps de rétention. Extraire en utilisant All Fiber Rinse (B109).

**BIÈRE / BOISSONS GAZEUSES:** Appliquer Pro Spotter (B121) ou Protein & Stain Spotter (B144). Bien damer. Allouer un temps de rétention. Extraire. Pour les taches tenaces, appliquer Zoop! (E837). Allouer un temps de rétention de 10 à 15 minutes ou davantage. Extraire en utilisant All Fiber Rinse (B109).

**BITUME / GOUDRON / HUILES BITUMINEUSES POUR ROUTES:** Enlever l'excédent en raclant. Appliquer Citrus Gel (E840) ou Power Solvent\* (B167) ou POG\* (B173). Bien damer. Vaporiser Ultracpac Trafficlean (S712) et extraire en utilisant All Fiber Rinse (B109). Répéter si nécessaire.

**BONBON / MIEL / SIROP:** Appliquer Pro Spotter (B121) ou Protein & Stain Spotter (B144). Bien damer. Allouer un temps de rétention. Extraire en utilisant All Fiber Rinse (B109).

**CAFÉ / THÉ / VIN:** Appliquer Coffee & Tannin Spotter (B182). Bien damer. Allouer un temps de rétention. Extraire en utilisant All Fiber Rinse (B109).

**CAMBOUIS / HUILE MOTEUR / TRACES DE CAOUTCHOUC:** Enlever l'excédent en raclant. Appliquer Citrus Gel (E840) ou Power Solvent\* (B167). Bien damer. Allouer un temps de rétention. Vaporiser Ultracpac Trafficlean (S712) et extraire en utilisant All Fiber Rinse (B109). Répéter si nécessaire.

**CHOCOLAT / CACAO:** Enlever l'excédent en raclant. Appliquer Pro Spotter (B121) ou Protein & Stain Spotter (B144). Bien damer. Allouer un temps de rétention. Extraire en utilisant All Fiber Rinse (B109).

**CIRAGE / ROUGE À LÈVRES:** Enlever l'excédent en utilisant une spatule. Appliquer Citrus Gel (E840) ou Power Solvent\* (B167). Allouer un temps de rétention. Eponger à l'aide d'une serviette en papier blanc. Vaporiser Ultracpac Trafficlean (S712) et extraire en utilisant All Fiber Rinse (B109).

**CIRE DE CHANDELLE / CRAIE DE CIRE:** Enlever l'excédent en raclant. Appliquer Power Solvent\* (B167) ou Citrus Gel (E840). Bien damer. Extraire en utilisant All Fiber Rinse (B109).

**CRÈME / LAIT / CRÈME GLACÉE:** Appliquer Protein & Stain Spotter (B144). Bien damer. Allouer un temps de rétention. Extraire en utilisant All Fiber Rinse (B109). Pour les taches tenaces, appliquer Zoop! (E837). Allouer un temps de rétention de 10 à 15 minutes ou davantage. Extraire.

Note: Les vieilles taches peuvent exiger un temps de contact plus long.

**ENCRE:** Appliquer Solv Ink (E848). Eponger à l'aide d'une serviette en papier blanc. Répéter si nécessaire. Vaporiser Ultracpac Trafficlean (S712) et extraire en utilisant All Fiber Rinse (B109).

**EXCRÉMENTS:** Enlever l'excédent en raclant. Appliquer Protein & Stain Spotter (B144) ou Pet Spotter (B153). Allouer un temps de rétention. Extraire. Pour les taches tenaces, appliquer Zoop! (E837). Allouer un temps de rétention de 10 à 15 minutes ou davantage. Extraire en utilisant All Fiber Rinse (B109).

**GOMME À MÂCHER:** Durcir la gomme à mâcher avec de la glace. Enlever l'excédent en raclant. Appliquer Citrus Gel (E840) ou Power Solvent\* (B167) avec modération sur la tache de gomme à mâcher. Allouer un temps de rétention. Enlever les résidus restant à l'aide d'une spatule. Extraire en utilisant All Fiber Rinse (B109).

**IODE / BETADINE:** Appliquer Protein & Stain Spotter (B144). Allouer un temps de rétention. Extraire en utilisant All Fiber Rinse (B109).

**KETCHUP / SAUCE TOMATE:** Appliquer Protein & Stain Spotter (B144). Allouer un temps de rétention. Extraire en utilisant All Fiber Rinse (B109).

**MOISSURE:** Appliquer Protein & Stain Spotter (B144). Bien damer. Allouer un temps de rétention. Extraire en utilisant All Fiber Rinse (B109). Pour les taches tenaces, appliquer Zoop! (E837). Allouer un temps de rétention de 10 à 15 minutes ou davantage. Extraire en utilisant All Fiber Rinse (B109).

**MOUTARDE:** Appliquer Pro Spotter (B121). Allouer un temps de rétention. Extraire en utilisant All Fiber Rinse (B109). Pour les taches tenaces, appliquer Zoop! (E837). Allouer un temps de rétention de 10 à 15 minutes ou davantage. Extraire en utilisant All Fiber Rinse (B109).

**PEINTURE (FRAÎCHE) / VERNIS À ONGLES:** Appliquer Citrus Gel (E840) ou Power Solvent\* (B167) ou POG\* (B173). Allouer un temps de rétention de 5 à 10 minutes. Extraire en utilisant All Fiber Rinse (B109). Répéter si nécessaire.

**PEINTURE (SÈCHE):** Effectuer une coupe en travers sur le film de peinture afin de permettre au produit de pénétrer. Appliquer Citrus Gel (E840) ou Power Solvent\* (B167) ou POG\* (B173). Allouer un temps de rétention. Extraire en utilisant All Fiber Rinse (B109).

**ROUILLE / TACHES DE MEUBLE:** Appliquer Rust Remover (B198) ou Power Solvent\* (B167). Allouer un temps de rétention. Extraire en utilisant All Fiber Rinse (B109). Répéter si nécessaire.

**SANG / ŒUFS:** Appliquer Pro Spotter (B121) ou Protein & Stain Spotter (B144) ou Zoop! (E837). Bien damer. Allouer un temps de rétention. Extraire. Si la tache est toujours visible, appliquer Rust Remover (B198). Extraire en utilisant All Fiber Rinse (B109).

**SPIRITUEUX:** Appliquer Pro Spotter (B121). Allouer un temps de rétention. Extraire en utilisant All Fiber Rinse (B109).

**SUDATION / HUILES CORPORELLES:** Appliquer Pro Spotter (B121) ou Citrus Gel (E840) ou Protein & Stain Spotter (B144). Bien damer. Allouer un temps de rétention. Extraire en utilisant All Fiber Rinse (B109).

**URINE D'ANIMAL DOMESTIQUE:** Appliquer Pro Spotter (B121) ou Pet Spotter (B153). Bien damer. Allouer un temps de rétention. Extraire en utilisant All Fiber Rinse (B109). Pour les taches tenaces, appliquer Zoop! (E837). Allouer un temps de rétention de 10 à 15 minutes ou davantage. Extraire en utilisant All Fiber Rinse (B109).

**VOMISSURE / NOURRITURE D'ANIMAL DOMESTIQUE:** Enlever l'excédent en raclant. Appliquer Protein & Stain Spotter (B144), Zoop! (E837) ou Pet Spotter (B153). Bien damer. Allouer un temps de rétention. Extraire en utilisant All Fiber Rinse (B109).

# KIT PROFESIONAL DE DESMANCHADO

Guía para el uso de los productos

*Aplicar el producto, dejarlo reposar y realizar Inyección - Succión ¡Funciona muy bien en áreas sucias!*

Realizar una prueba en un área poco visible de la superficie antes de utilizar cualquier producto, con el fin de detectar posibles decoloramientos y conocer la estabilidad de la fibra. Aplicar el producto y dejar reposar de 5 a 15 minutos, presionar un poco el área de la mancha pero sin tallar la superficie. Desmanchar desde las orillas de la mancha hacia el centro de la misma.

B121	<b>Pro Spotter</b>	Cerveza, dulces o caramelos, miel, almíbar, licor, manchas base agua
E840	<b>Citrus Gel</b>	Asfalto, alquitrán, aceite, aceite de coche, tocino, salsa para carne, grasas, goma de mascar, goma, tinta, pintura de látex (fresca), grasa corporal
B144	<b>Protein &amp; Stain Spotter</b>	Cerveza, huevos, mantequilla, grasa, margarina, dulce, chocolate, cocoa, crema, leche, helado, manchas de grasa, fruta/bayas o moras, catsup, salsa de tomate, sangre
B182	<b>Coffee &amp; Tannin Spotter</b>	Café, té, refrescos de cola, algunas manchas de tinta, manchas de bayas o moras
E837	<b>Zoop!</b>	Cerveza, refrescos, crema, leche, helado, grasa de comida, sangre, huevos, chocolate, manchas de materia fecal, mantequilla, vómito, grasa, gelatina, salsa catsup, moho, mostaza, grasa corporal
B198	<b>Rust Remover</b>	Óxido, óxido de hierro, sangre, manchas de metales
E848	<b>Solv Ink</b>	Tinta, manchas de barniz, pegamentos, pintura de uñas
B167	<b>Power Solvent</b>	Goma, grasa, aceite, cinta adhesiva, rimel, tintes de cosméticos, pintalabios, manchas de insectos, asfalto, alquitrán o chapopote, grasa de la piel
B153	<b>Pet Spotter</b>	Orina de mascota, heces y deshecho animal, manchas de tanino, residuos alcalinos
B173	<b>Paint, Oil &amp; Grease Remover</b>	Pintura, aceite, grasa, mantequilla y margarina, asfalto y alquitrán (chapopote), marcas de goma

**NOTA:** Antes de utilizar cualquier producto se recomienda leer la etiqueta del envase para el correcto uso del mismo. Los productos de limpieza de PROCHEM que no están incluidos en el Kit Profesional de Desmanchado son: All Fiber Rinse (B109), Olefin Pre Clean (E827), Ultrapac Trafficlean (S712).

# INSTRUCCIONES DE DESMANCHADO

\* No aplicar estos productos directamente sobre la alfombra, sino sobre una toalla blanca y a continuación presionar sobre la mancha.

**ASFALTO / ALQUITRÁN (CHAPOPOTE) / ACEITE DE LAS CALLES:** Eliminar el exceso de suciedad. Aplicar el Citrus Gel E840 o el Power Solvent\* B167 o POG\* B173. Agitar ligeramente con un cepillo o espátula el producto sobre la mancha. Pre-rocíar con Ultracpac Trafficlean S712 y realizar Inyección – Succión con el All Fiber Rinse B109. Repetir la operación en caso de ser necesario.

**CAFÉ / TÉ / VINO DE MESA:** Aplicar Coffee & Tannin Spotter B182. Agitar ligeramente con un cepillo o espátula el producto sobre la mancha y dejarlo reposar un poco. Realizar Inyección – Succión con el All Fiber Rinse B109.

**CERA DE VELAS / CRAYONES:** Eliminar el exceso de suciedad. Aplicar el Power Solvent\* B167 o Citrus Gel E840. Agitar ligeramente con un cepillo o espátula el producto sobre la mancha. Realizar Inyección – Succión con el All Fiber Rinse B109.

**CERVEZA / REFRESCO:** Aplicar el Pro Spotter B121 o Protein & Stain Spotter B144. Agitar ligeramente con un cepillo o espátula el producto sobre la mancha y dejarlo reposar un poco. Realizar Inyección – Succión. Para manchas difíciles, aplicar el Zoop! E837. Dejar reposar de 10 a 15 minutos o por más tiempo si es necesario. Posteriormente realizar Inyección – Succión con el All Fiber Rinse B109.

**CHOCOLATE / COCOA:** Eliminar el exceso de suciedad. Aplicar Pro Spotter B121 o Protein & Stain Spotter B144. Agitar ligeramente con un cepillo o espátula el producto sobre la mancha y dejarlo reposar un poco. Realizar Inyección – Succión con el All Fiber Rinse B109.

**CREMA / LECHE / HELADO:** Aplicar Protein & Stain Spotter B144. Agitar ligeramente con un cepillo o espátula el producto sobre la mancha y dejarlo reposar un poco. Realizar Inyección – Succión con el All Fiber Rinse B109. Para manchas difíciles, aplicar Zoop! E837. Dejar reposar de 10 a 15 minutos o por más tiempo si es necesario. Realizar Inyección – Succión.

Nota: las manchas viejas pueden requerir más tiempo de reposo.

**DULCES O CAMELOS / MIEL / ALMÍBAR:** Aplicar el Pro Spotter B121 o Protein & Stain Spotter B144. Agitar ligeramente con un cepillo o espátula el producto sobre la mancha y dejarlo reposar un poco. Realizar Inyección – Succión con el All Fiber Rinse B109.

**GOMA DE MASCAR:** Endurecer la goma de mascar con hielo. Eliminar el exceso. Aplicar una pequeña cantidad de Citrus Gel E840 o Power Solvent\* B167 directamente sobre la mancha de chicle. Dejar reposar. Con una espátula, eliminar el material restante. Realizar Inyección – Succión con el All Fiber Rinse B109.

**GRASA DE AUTOS / ACEITE DE MOTOR / MARCAS DE GOMA O CAUCHO:** Eliminar el exceso de suciedad. Aplicar el Citrus Gel E840 o el Power Solvent\* B167 o POG\* B173. Agitar ligeramente con un cepillo o espátula el producto sobre la mancha y dejarlo reposar un poco. Pre-rocíar con Ultracpac Trafficlean S712 y realizar Inyección – Succión con el All Fiber Rinse B109. Repetir la operación en caso de ser necesario.

**GRASA PARA ZAPATOS / PINTALABIOS:** Con una espátula eliminar el exceso de suciedad. Aplicar Citrus Gel E840 o Power Solvent\* B167. Dejar reposar. Con una toalla de papel presionar sobre la mancha. Pre-rocíar con Ultracpac Trafficlean S712. Posteriormente realizar Inyección – Succión con el All Fiber Rinse B109.

**HECES:** Eliminar el exceso de suciedad. Aplicar Protein & Stain Spotter B144 o Pet Spotter B153. Dejar reposar. Realizar Inyección – Succión. Para manchas difíciles, aplicar Zoop! E837. Dejar reposar de 10 a 15 minutos o por más tiempo si es necesario. Posteriormente realizar Inyección – Succión con el All Fiber Rinse B109.

**LICOR:** Aplicar Pro Spotter B121, dejarlo reposar. Realizar Inyección – Succión con el All Fiber Rinse B109.

**MANTEQUILLA / GRASA / MARGARINA:** Aplicar el Citrus Gel E840, Protein & Stain Spotter B144 o Power Solvent\* B167. Agitar ligeramente con un cepillo o espátula el producto sobre la mancha y dejarlo reposar un poco. Realizar Inyección – Succión con el All Fiber Rinse B109.

**MOHO:** Aplicar Protein & Stain Spotter B144. Dejar reposar. Realizar Inyección – Succión con el All Fiber Rinse B109. Para manchas difíciles, aplicar el Zoop! E837. Dejar reposar de 10 a 15 minutos o por más tiempo si es necesario. Posteriormente realizar Inyección – Succión con el All Fiber Rinse B109.

**MOSTAZA:** Aplicar Pro Spotter B121. Dejar reposar. Realizar Inyección – Succión con el All Fiber Rinse B109. Para manchas difíciles, aplicar el Zoop! E837. Dejar reposar de 10 a 15 minutos o por más tiempo si es necesario. Posteriormente realizar Inyección – Succión con el All Fiber Rinse B109.

**ORINA DE MASCOTAS:** Aplicar Pro Spotter B121 o Pet Spotter B153. Agitar ligeramente con un cepillo o espátula bien el producto sobre la mancha y dejarlo reposar un poco. Realizar Inyección – Succión con el All Fiber Rinse B109. Para manchas difíciles, aplicar el Zoop! E837. Dejar reposar de 10 a 15 minutos o por más tiempo si es necesario. Posteriormente realizar Inyección – Succión con el All Fiber Rinse B109.

**ÓXIDO / MANCHAS CAUSADAS POR LOS MUEBLES:** Aplicar Rust Remove B198 o Power Solvent\* B167. Dejar reposar. Realizar Inyección – Succión con el All Fiber Rinse B109. Repetir la operación en caso de ser necesario.

**PINTURA FRESCA / PINTURA DE UÑAS:** Aplicar Citrus Gel E840 o Power Solvent\* B167 o POG\* B173. Dejar reposar de 5 a 10 minutos. Realizar Inyección – Succión con el All Fiber Rinse B109. Repetir la operación en caso de ser necesario.

**PINTURA SECA:** Con una navaja o algo similar, hacer un corte en forma de cruz en la capa de pintura para permitir que el producto penetre. Aplicar Citrus Gel E840, Power Solvent\* B167 o POG\* B173. Dejar reposar. Realizar Inyección – Succión con el All Fiber Rinse B109.

**SALSA CATUSP / SALSA DE TOMATE:** Aplicar Protein & Stain Spotter B144. Dejar reposar. Realizar Inyección – Succión con el All Fiber Rinse B109.

**SANGRE / HUEVOS:** Aplicar el Pro Spotter B121, Protein & Stain Spotter B144 or Zoop! E837. Agitar ligeramente con un cepillo o espátula el producto sobre la mancha y dejarlo reposar un poco. Realizar Inyección – Succión. Si el cambio no es evidente, aplicar Rust Remove B198. Posteriormente, realizar Inyección – Succión con el All Fiber Rinse B109

**SUDOR / ACEITES CORPORALES:** Aplicar Pro Spotter B121, Citrus Gel E840 o Protein & Stain Spotter B144. Agitar ligeramente con un cepillo o espátula el producto sobre la mancha y dejarlo reposar un poco. Realizar Inyección – Succión con el All Fiber Rinse B109.

**TINTA:** Aplicar Solv Ink E848. Presionar un poco con una toalla de papel. Repetir la operación en caso de ser necesario. Pre-Rocíar con Ultracpac Trafficlean S712 y posteriormente realizar la Inyección – Succión con All Fiber Rinse B109.

**TOCINO / GRASA / SALSA PARA LA CARNE:** Eliminar el exceso de suciedad. Aplicar el Citrus Gel E840 o el Power Solvent\* B167 o POG\* B173. Agitar ligeramente con un cepillo o espátula el producto sobre la mancha y dejarlo reposar un poco. Realizar Inyección – Succión con el All Fiber Rinse B109. Repetir la operación en caso de ser necesario.

**VÓMITO / ALIMENTO PARA MASCOTAS:** Eliminar el exceso de suciedad. Aplicar Protein & Stain Spotter B144, Zoop! E837 o Pet Spotter B153. Agitar ligeramente con un cepillo o espátula el producto sobre la mancha y dejarlo reposar un poco. Realizar Inyección – Succión con el All Fiber Rinse B109.

**YODO / BETADINE:** Aplicar Protein & Stain Spotter B144. Dejar reposar. Realizar Inyección – Succión con el All Fiber Rinse B109.

K250  
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&  
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