

Citrus Pro

MSDS Number: B845

Revision Date: April 16, 2013

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

PROCHEM
Kärcher North America
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Chandler, AZ 85224

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Product Name: Citrus Pro
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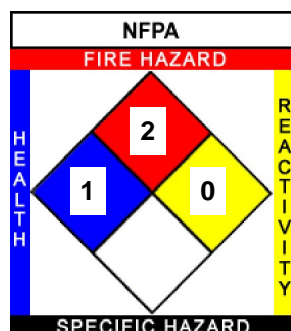
Emergency Telephone: (800) 535-5053 [Infotrac]

2 HAZARDS IDENTIFICATION

- Route of Entry:** Eyes; Skin; Inhalation; Ingestion;
- Target Organs:** Eyes; Skin;
- Inhalation:** Minimal respiratory tract irritation may occur with exposure to a large amount of material
- Skin Contact:** May cause irritation.
- Eye Contact:** May cause irritation.
- Ingestion:** Small amounts swallowed incidental to normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause temporary injury.

NFPA:
HMIS III:

Health = 1, Fire = 2, Reactivity = 0
H1/F2/PH0



| HMIS III | |
|--|---|
| HEALTH | 1 |
| FLAMMABILITY | 2 |
| 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 |
| | | | |
| Safety Glasses | Splash Goggles | Face Shield & Eye Protection | Gloves |
| q | r | s | |
| | | | |
| Boots | Synthetic Apron | Full Suit | |
| t | u | w | y |
| | | | |
| Dust Respirator | Vapor Respirator | Dust & Vapor Respirator | Full Face Respirator |
| z | | | |
| | | | |
| Airline Hood or More | | | |

GHS Classifications:
Health, Serious Eye Damage/Eye Irritation, 2 B

GHS Phrases:

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Warning, H320 - Causes eye irritation

GHS Precautionary Statements:

P264 - Wash thoroughly with soap and water after handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P337+313 - If eye irritation persists: Get medical advice/attention.

GHS PICTOGRAMS:

No GHS Pictograms

3 HAZARDS IDENTIFICATION

Ingredients:

| CAS # | Percent | Chemical Name |
|--------|---------|-----------------------------------|
| 112345 | 3-5% | 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: 72°C/161°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.

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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: Store out of reach of children; keep container closed; store in a cool well-ventilated place away from strong oxidizing or alkaline product.

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 Pale Peach | Odor: | Citrus |
| Physical State: | Liquid | Solubility: | Soluble |
| Spec Grav./Density: | 7.56 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:

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

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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

*Diethylene glycol monobutyl ether (112345 3-5%) HAP, WHMIS 1%

REGULATORY KEY DESCRIPTIONS

HAP = Hazardous Air Pollutants

WHMIS= Workforce Hazardous Material Information System

16 OTHER INFORMATION

This document is prepared in accordance with 29 CFR 1910.1200. The purpose of this section is to ensure that the hazards of all chemicals produced or imported are evaluated, and that information concerning their hazards is transmitted to employers and employees.

All information appearing herein is based upon data obtained from the raw material manufacturer and/or recognized technical sources. While the information above is believed to be true and accurate, the author makes no representations as to its accuracy or sufficiency. Conditions of use are beyond the manufacturer's control; therefore the users are responsible to verify this data under their own particular conditions, applications and regulations to determine if the product is suitable for their particular purposes. The users assume all risks of product use, handling, disposal, reliance upon, publication or use of the information contained herein. This information applies only to the product designated above and does not necessarily apply to its use in combination with other materials, products, chemical compounds, structures or processes.

Prepared by: EHS Manager

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