

PPD-Pre & Post Dip 4:1

SDS Number: H692241

Revision Date: February 1, 2017

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufactured for:

Kärcher North America, Inc.
4555 Airport Way
Denver, CO 80239

Emergency Information: INFOTRAC 1-800-535-5053 International 1-352-323-3500

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Acute toxicity, 3 Oral
Health, Acute toxicity, 3 Dermal
Environmental, Hazards to the aquatic environment - Chronic, 1

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H301 - Toxic if swallowed
H311 - Toxic in contact with skin
H410 - Very toxic to aquatic life with long lasting effects

GHS Precautionary Statements:

P264 - Wash thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P362 - Take off contaminated clothing.
P501 - Dispose of contents/container to an approved waste disposal area.

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.

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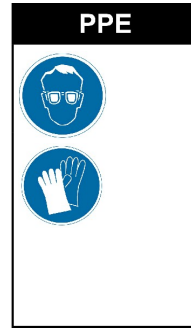
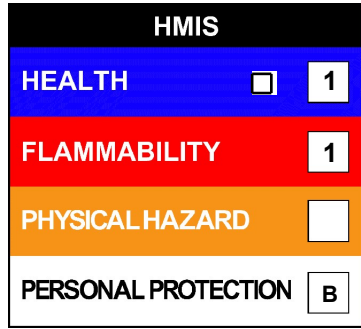
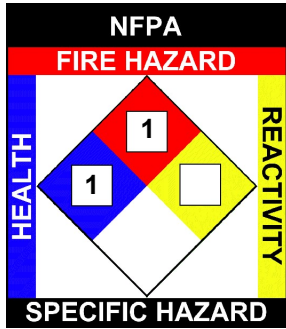
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Ingestion: No significant adverse health effects are expected to develop if only small amounts are swallowed. Swallowing large amounts may cause abdominal discomfort and diarrhea.

NFPA: Health = 1, Fire = 1, Reactivity = n/a, Specific Hazard = n/a
HMIS III: Health = 1, Fire = 1, Physical Hazard =
HMIS PPE: B - Safety Glasses, Gloves



3 COMPOSITION/INFORMATION OF INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
7732-18-5	52-55%	Water
56-81-5	37-42%	Glycerine
83682-78-4	4-6%	PG-Dimonium Chloride
6004-24-6	0.80-1.2%	Cetylpyridinium chloride monohydrate blend
7220-79-3	0.02-0.06%	Methylene Blue

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.



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6 ACCIDENTAL RELEASE MEASURES

Keep away from drains and ground water. Keep all unnecessary personnel away. Spill area may be slippery. Pick up excess with inert absorbent material and place into separate waste container. Ventilate area and wash spill site after material pickup is complete. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

7 HANDLING AND STORAGE

Handling Precautions: Avoid contact with eyes, skin, or clothing. Consider normal working hygiene. Handle with care and avoid spillage on the floor due to possible slippage. Keep away from sources of ignition; wash thoroughly after handling.

Storage Requirements: Keep away from children. Store in a cool/dry area. Keep container closed.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Personal Protective Equipment: HMIS PP, B | Safety Glasses, Gloves

No OSHA PEL established for listed chemicals.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Blue	Solubility:	Soluble
Physical State:	Liquid		
Spec Grav./Density:	9.13 lb/gal		
pH:	7.0 - 9.0		

10 STABILITY AND REACTIVITY

Chemical 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

Cetylpyridinium chloride, monohydrate blend - 6004-24-6

0.05 - 0.51 mg/l 4 hr - acute inhalation - rat

560 mg/kg acute oral - rat

>5000 mg/kg acute dermal - rabbit

12 ECOLOGICAL INFORMATION

Cetylpyridinium chloride, monohydrate blend 6004-24-6

LC50/96h - Oncorhynchus mykiss (Rainbow Trout) = 0.16 mg/L

Toxicity to Fish NOEC/96h - Oncorhynchus mykiss (Rainbow Trout) = 0.11 mg/L

EC50/48h - Daphnia Water Flea = 9.65 ug/l static

NOEC/48h Daphnia Water Flea = 3.2 ug/l static

EC50 72h Algae = 26.9 ug/L



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13 DISPOSAL CONSIDERATIONS

Consult with disposal agency and any relevant authorities; cleansing agent is water.

14 TRANSPORT INFORMATION

Ship in accordance with 49 CFR/DOT. Non-hazardous for air, sea and road freight.

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Water (7732-18-5) [52-55%] TSCA

Glycerine (56-81-5) [37-42%] HAP, MASS, OSHAWAC, PA, TSCA, TXAIR

PG-Dimonium Chloride (83682-78-4) [4-6%] TSCA

Cetylpyridinium chloride monohydrate blend (6004-24-6) [0.80-1.2%] TSCA

Methylene Blue (7220-79-3) [0.02-0.06%] TSCA

Regulatory CODE Descriptions

TSCA = Toxic Substances Control Act

HAP = Hazardous Air Pollutants

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

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