

Pump and Coil Protectant RTU (RM 110)

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PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Pump and Coil Protectant RTU (RM 110)
SDS Number: K556011
Revision Date: May 25, 2018
Version: 45-42C

Manufactured for: Canadian Contact:

Kärcher North America
4555 Airport Way
Denver, CO 80239
Phone: 303-738-2400
Email: info@karcherna.com

Kärcher North America
6535 Millcreek Drive, Unit 67
Mississauga, ON L5N 2M2
Phone: 905-672-8233

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

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HAZARDS IDENTIFICATION

Classification of Substance

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

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

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:

No GHS pictograms indicated for this product

GHS Hazard Statements:

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

GHS Precautionary Statements:

P264 - Wash thoroughly 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.
 P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
 P337+313 - If eye irritation persists: Get medical advice/attention.

Route of Entry: Eye; Skin; Inhalation

Target Organs: Eye; Skin; Respiratory system

Inhalation: Respiratory tract irritation may occur with exposure to a large amount of material.

Skin Contact: May cause irritation, tearing and redness.

Eye Contact: Irritating to eyes; eye damage may occur.

Ingestion: Small amounts swallowed incidental to normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury.

3	COMPOSITION/INFORMATION ON INGREDIENTS
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Chemical Ingredients		
CAS#	%	Chemical Name
1310-73-2	2%	Sodium hydroxide

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
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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
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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
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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
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Handling Precautions: Avoid contact with eyes, skin, or clothing. 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
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Engineering Controls: All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

Personal Protective Equipment: HMIS PP, B | Safety Glasses, Gloves
Sodium Hydroxide 1310-73-2 OSHA PEL 2 mg/m3

Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

9	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance: Clear amber
Physical State: Liquid
Odor: None
Solubility: Soluble
Specific Gravity or Density: 8.54 lb/gal
Potentia Hydrogenii: 7.25 as is

10	STABILITY AND REACTIVITY
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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
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Toxicity Data:
Sodium Hydroxide 1310-73-2
Oral (LD 50): Not listed on RTECS
Intraperitoneal Injection 40 mg/kg - Mouse
Inhalation (LC 50): Not listed on RTECS
Skin irritation: Mild
Eye irritation: Severe
Sensitization: Not considered an occupational sensitizer

12	ECOLOGICAL INFORMATION
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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
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Recommendation: Consult with the disposal agency and the relevant authorities. Empty containers may be cleaned with water.

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

15	REGULATORY INFORMATION
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COMPONENT / (CAS/PERC) / CODES

*Sodium hydroxide (1310732 2%) CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIR, WHMIS

REGULATORY KEY DESCRIPTIONS

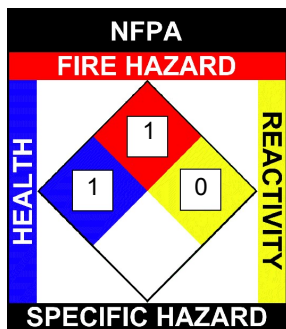
All components are listed on TSCA

CERCLA = Superfund clean up substance
CSWHS = Clean Water Act Hazardous substances
MASS = MA Massachusetts Hazardous Substances List
OSHA = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level
WHMIS = Workplace Haz Mat Info Sys Canada

CALIFORNIA PROPOSITION 65 CARCINOGENS
Warning: The following ingredients present in the product are known to the state of California to cause cancer.

<u>Chemical Name</u>	<u>CAS-No.</u>
Formaldehyde	50-00-0

NFPA: Health = 1, Fire = 1, Reactivity = 0, Specific Hazard = n/a
HMIS III: Health = 1, Fire = 1, Physical Hazard = 0
HMIS PPE: B - Safety Glasses, Gloves



HMIS	
HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

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