

Safety Data Sheet



www.rustoleum.com

1. Identification

| | | | |
|-----------------------------|--|-------------------------|--|
| Product Name: | KRDKUT QT 6PK THE MUST FOR RUST | Revision Date: | 8/5/2024 |
| Product Identifier: | MF326 | Supersedes Date: | 4/16/2018 |
| Recommended Use: | Rust Dissolver/ Phosphoric Acid | | |
| Supplier: | Rust-Oleum Corporation 11 Hawthorn Parkway Vernon Hills, IL 60061 USA Phone: +1 (847) 367-7700 | Manufacturer: | Rust-Oleum Corporation 11 Hawthorn Parkway Vernon Hills, IL 60061 USA Phone: +1 (847) 367-7700 |
| Preparer: | Regulatory Department | | |
| Emergency Telephone: | 24 Hour Hotline: 847-367-7700 | | |

2. Hazards Identification

Classification

Symbol(s) of Product



Signal Word

Danger

Possible Hazards

19% of the mixture consists of ingredient(s) of unknown acute toxicity.

GHS Hazard Statements

| | | |
|-------------------------------------|------|--|
| Carcinogenicity, category 1A | H350 | May cause cancer. |
| Corrosive to Metals, category 1 | H290 | May be corrosive to metals. |
| Eye Irritation, category 2A | H319 | Causes serious eye irritation. |
| Germ Cell Mutagenicity, category 1B | H340 | May cause genetic defects. |
| Reproductive Toxicity, category 2 | H361 | Suspected of damaging fertility or the unborn child. |
| Respiratory Sensitizer, category 1 | H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| Skin Irritation, category 2 | H315 | Causes skin irritation. |
| Skin Sensitizer, category 1 | H317 | May cause an allergic skin reaction. |

GHS Label Precautionary Statements

| | |
|------|--|
| P201 | Obtain special instructions before use. |
| P203 | Obtain, read, and follow all safety instructions before use. |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P264 | Wash thoroughly after handling. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P280 | Wear protective gloves / protective clothing / eye protection / face protection. |
| P284 | [In case of inadequate ventilation] wear respiratory protection. |

| | |
|----------------|--|
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water. |
| 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. |
| P308+P313 | IF exposed or concerned: Get medical advice/attention. |
| P308+P316 | IF exposed or concerned: Get emergency medical help immediately. |
| P321 | Specific treatment (see notice on this label). |
| P332+P317 | If skin irritation occurs: Get medical help. |
| P333+P317 | If skin irritation or rash occurs: Get medical help. |
| P337+P317 | If eye irritation persists: Get medical help. |
| P342+P316 | If experiencing respiratory symptoms: Get emergency medical help immediately. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P405 | Store locked up. |
| P501 | Dispose of contents and container in accordance with local, regional and national regulations. |

3. Composition / Information on Ingredients

HAZARDOUS SUBSTANCES

| <u>Chemical Name</u> | <u>CAS-No.</u> | <u>Wt.% Range</u> | <u>GHS Symbols</u> | <u>GHS Statements</u> |
|---------------------------------|----------------|-------------------|-------------------------------|---|
| Phosphoric Acid | 7664-38-2 | 10-25 | GHS05-GHS06 | H312-314-331 |
| Ethylene Glycol Monobutyl Ether | 111-76-2 | 0.1-1.0 | GHS07 | H302+H312+H332-315-319 |
| Chromium Trioxide | 1333-82-0 | 0.1-1.0 | GHS03-GHS05-GHS06-GHS07-GHS08 | H271-301-310+H330-314-317-334-335-340-350-361-372 |

4. First-Aid Measures

First Aid - Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed. Remove contact lenses, if present and easy to do. Continue rinsing.

First Aid - Skin Contact: Remove contaminated clothing. Wash skin with soap and water. Get medical attention. Immediately flush skin with plenty of water for at least 15 minutes while removing clothing. Get medical attention immediately. Wash clothing separately before reuse. Wash contaminated clothing and decontaminate footwear before reuse.

First Aid - Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

First Aid - Ingestion: If swallowed, do not induce vomiting. If victim is conscious and alert, give 2 to 4 cupfuls of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Treat symptomatically and supportively. Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

5. Fire-Fighting Measures

EXTINGUISHING MEDIA: Aqueous Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

Unusual Fire and Explosion Hazards: Keep containers tightly closed.

Special Fire Fighting Procedures: Water may be used to cool closed containers to prevent buildup of steam. If water is used, fog nozzles are preferred. Containers can rupture and release highly toxic material if exposed to heat. Substance is non-combustible but reacts with many metals to form explosive hydrogen gas.

Special Fire and Explosion Hazard (Combustible Dust): Not a combustible dust.

6. Accidental Release Measures

Steps to Be Taken If Material Is Released or Spilled: Avoid runoff into sewers and waterways. Provide ventilation and approach spill from upwind using proper personal protective equipment as indicated in Section 8. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers.

7. Handling and Storage

Handling: Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Follow all SDS and label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Avoid prolonged or repeated contact with skin. Do not get in eyes, on skin or clothing.

Storage: Store in a dry, well ventilated place. Keep container tightly closed when not in use.

Advice on Safe Handling of Combustible Dust: No Information

8. Exposure Controls / Personal Protection

| Chemical Name | CAS-No. | Weight % Less Than | ACGIH TLV-TWA | ACGIH TLV-STEL | OSHA PEL-TWA | OSHA PEL-CEILING |
|---------------------------------|-----------|--------------------|--------------------------|--------------------------|---------------------|-----------------------|
| Phosphoric Acid | 7664-38-2 | 20.0 | 1 mg/m ³ | 3 mg/m ³ | 1 mg/m ³ | N.E. |
| Ethylene Glycol Monobutyl Ether | 111-76-2 | 1.0 | 20 ppm | N.E. | 50 ppm | N.E. |
| Chromium Trioxide | 1333-82-0 | 1.0 | 0.0002 mg/m ³ | 0.0005 mg/m ³ | 5 µg/m ³ | 0.1 mg/m ³ |

PERSONAL PROTECTION

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

Respiratory Protection: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Skin Protection: Use impervious gloves to prevent skin contact and absorption of this material through the skin. Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots and chemical safety goggles plus a face shield.

Eye Protection: Use safety eyewear designed to protect against splash of liquids.

Other Protective Equipment: Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

Hygienic Practices: Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

Engineering Measures for Combustible Dust: No Information

9. Physical and Chemical Properties

| | | | |
|---------------------------------|-----------------------------|--|-------------|
| Appearance: | Liquid | Physical State: | Liquid |
| Odor: | Mild | Odor Threshold: | N.E. |
| Specific Gravity: | 1.103 | pH: | 1.0 - 3.0 |
| Freeze Point, °C: | 30 | Viscosity: | N.D. |
| Solubility in Water: | Soluble | Partition Coefficient, n-octanol/water: | N.D. |
| Decomposition Temp., °C: | N.D. | Explosive Limits, vol%: | N.A. - N.A. |
| Boiling Range, °C: | 100 - 158 | Flash Point, °C: | 94 |
| Flammability: | Does not Support Combustion | Auto-Ignition Temp., °C: | N.D. |
| Evaporation Rate: | Slower than Ether | Vapor Pressure: | N.D. |
| Vapor Density: | Heavier than Air | | |

(See "Other information" Section for abbreviation legend)

10. Stability and Reactivity

Conditions to Avoid: Avoid contact with metals. Avoid excess heat.

Incompatibility: Incompatible with strong oxidizing agents, strong acids and strong alkalies. Product slowly corrodes copper, aluminum, zinc, and galvanized surfaces.

Hazardous Decomposition: When heated to decomposition, it emits acrid smoke and irritating fumes.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

11. Toxicological Information

Effects of Overexposure - Eye Contact: Can cause severe eye irritation. Causes eye burns. Causes eye and skin irritation which may lead to dermatitis with repeated exposures. Irritating, and may injure eye tissue if not removed promptly. High vapor concentrations can irritate eyes, nose and respiratory passages.

Effects of Overexposure - Skin Contact: Prolonged or repeated skin contact may cause irritation. Substance is corrosive. Causes severe skin burns. Causes skin irritation. Allergic reactions are possible. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis). Severely irritating; may cause permanent skin damage. Corrosive; causes skin burning.

Effects of Overexposure - Inhalation: High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. High vapor concentrations are irritating to the eyes, nose, throat and lungs.

Effects of Overexposure - Ingestion: Corrosive and may cause severe and permanent damage to mouth, throat and stomach. Harmful if swallowed.

Effects of Overexposure - Chronic Hazards: May damage fertility or the unborn child. Prolonged or repeated skin contact may cause dermatitis. May cause genetic defects.

PRIMARY ROUTE(S) OF ENTRY: Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

ACUTE TOXICITY VALUES

The acute effects of this product have not been tested. Data on individual components are tabulated below:

| CAS-No. | Chemical Name | Oral LD50 | Dermal LD50 | Vapor LC50 |
|-----------|---------------------------------|----------------|--------------------|-------------------|
| 7664-38-2 | Phosphoric Acid | 2600 mg/kg Rat | 1260 mg/kg Rabbit | 5.337 mg/L Rabbit |
| 111-76-2 | Ethylene Glycol Monobutyl Ether | 470 mg/kg Rat | 1,060 mg/kg Rabbit | 11 mg/L |
| 1333-82-0 | Chromium Trioxide | 80 mg/kg Rat | 57 mg/kg Rabbit | N.E. |

N.E. - Not Established

12. Ecological Information

Ecological Information: No ecotoxicity data was found for this product.

13. Disposal Information

Disposal: Dispose of material in accordance to local, state, and federal regulations and ordinances. RCRA Hazardous Waste: This material, when discarded or disposed of, could be a hazardous waste according to federal regulations (40 CFR 261) due to the characteristic of corrosivity (D002). Check state and local regulations for disposal requirements. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate.

14. Transport Information

| | <u>Domestic (USDOT)</u> | <u>International (IMDG)</u> | <u>Air (IATA)</u> | <u>TDG (Canada)</u> |
|------------------------------|--|-----------------------------|---------------------------|--|
| UN Number: | N.A. | 1805 | 1805 | N.A. |
| Proper Shipping Name: | Cleaning Compounds in Limited Quantities | Phosphoric acid, solution | Phosphoric acid, solution | Cleaning Compounds in Limited Quantities |
| Hazard Class: | N.A. | 8 | 8 | N.A. |
| Packing Group: | N.A. | III | III | N.A. |
| Limited Quantity: | Yes | Yes | No | Yes |

15. Regulatory Information

U.S. Federal Regulations:

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Corrosive to metal, Carcinogenicity, Reproductive toxicity, Skin Corrosion or Irritation, Respiratory or Skin Sensitization, Serious eye damage or eye irritation, Germ cell mutagenicity

SARA Section 313

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|---------------------------------|----------------|
| Phosphoric Acid | 7664-38-2 |
| Ethylene Glycol Monobutyl Ether | 111-76-2 |
| Chromium Trioxide | 1333-82-0 |

Toxic Substances Control Act

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| Chromium Trioxide | 1333-82-0 |

U.S. State Regulations:

California Proposition 65

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

16. Other Information

HMIS RATINGS

Health: 3* Flammability: 0 Physical Hazard: 0 Personal Protection: X

NFPA RATINGS

Health: 3 Flammability: 0 Instability: 0

Volatile Organic Compounds: 45 g/L

SDS REVISION DATE: 8/5/2024

REASON FOR REVISION: Substance and/or Product Properties Changed in Section(s):
 01 - Identification
 02 - Hazard Identification
 03 - Composition / Information on Ingredients
 05 - Fire-Fighting Measures
 08 - Exposure Controls / Personal Protection
 09 - Physical & Chemical Properties
 11 - Toxicological Information
 14 - Transport Information
 15 - Regulatory Information
 16 - Other Information
 Substance Hazardous Flag Changed
 Substance Hazard Threshold % Changed
 Revision Statement(s) Changed

Legend: N.A. - Not Applicable, N.D. - Not Determined, N.E. - Not Established

The manufacturer believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. The manufacturer makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.