

Safety Data Sheet



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1. Identification

Product Name:	KRDKUT 1-GLF 2PK CLEANER DEGREASER	Revision Date:	1/12/2017
Product Identifier:	KK012	Supercedes Date:	4/29/2016
Product Use/Class:	Cleaner & Degreaser/ Caustic		
Supplier:	Rust-Oleum Corporation 11 Hawthorn Parkway Vernon Hills, IL 60061 USA	Manufacturer:	Rust-Oleum Corporation 11 Hawthorn Parkway Vernon Hills, IL 60061 USA
Preparer:	Regulatory Department		
Emergency Telephone:	24 Hour Hotline: 847-367-7700		

2. Hazard Identification

Classification

Symbol(s) of Product



Signal Word

Warning

Possible Hazards

3% of the mixture consists of ingredient(s) of unknown acute toxicity.

GHS HAZARD STATEMENTS

Skin Irritation, category 2	H315	Causes skin irritation.
Eye Irritation, category 2	H319	Causes serious eye irritation.

GHS LABEL PRECAUTIONARY STATEMENTS

P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P321	For specific treatment see label
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.

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>
Ethoxylated Alcohols	PROPRIETARY	1.0-2.5	GHS05-GHS07	H302-318
Sodium Metasilicate	6834-92-0	1.0-2.5	GHS05-GHS07	H302-314-335

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.

FIRST AID - SKIN CONTACT: Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

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: Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention. If swallowed, rinse mouth with water. If feeling unwell, get medical attention.

5. Fire-fighting Measures

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

UNUSUAL FIRE AND EXPLOSION HAZARDS: No unusual fire or explosion hazards noted. Keep containers tightly closed. FLASH POINT IS TESTED TO BE GREATER THAN 200 DEGREES F.

SPECIAL FIREFIGHTING PROCEDURES: Water may be used to cool closed containers to prevent buildup of steam. If water is used, fog nozzles are preferred.

6. Accidental Release Measures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, 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 MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Avoid contact with eyes, skin and clothing.

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

8. Exposure Controls/Personal Protection

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Weight % Less Than</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH TLV-STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
Ethoxylated Alcohols	PROPRIETARY	5.0	N.E.	N.E.	N.E.	N.E.
Sodium Metasilicate	6834-92-0	5.0	N.E.	N.E.	N.E.	N.E.

PERSONAL PROTECTION

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. 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 gloves to prevent prolonged skin contact. Nitrile or Neoprene gloves may afford adequate skin protection.

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.

9. Physical and Chemical Properties

Appearance:	Liquid	Physical State:	Liquid
Odor:	Mild	Odor Threshold:	N.E.
Relative Density:	1.023	pH:	<12.4
Freeze Point, °C:	N.D.	Viscosity:	N.D.
Solubility in Water:	Miscible	Partition Coefficient, n-octanol/ water:	N.D.
Decomposition Temp., °C:	N.D.	Explosive Limits, vol%:	N.A. - N.A.
Boiling Range, °C:	-18 - 110	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 strong acid and strong bases.

INCOMPATIBILITY: Incompatible with strong oxidizing agents, strong acids and strong alkalis.

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: Irritating, and may injure eye tissue if not removed promptly.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Low hazard for usual industrial handling or commercial handling by trained personnel.

EFFECTS OF OVEREXPOSURE - INHALATION: High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist.

EFFECTS OF OVEREXPOSURE - INGESTION: Substance may be harmful if swallowed.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: No Information

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:

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
6834-92-0	Sodium Metasilicate	1153 mg/kg Rat	N.I.	N.I.

N.I. - No Information

12. Ecological Information

ECOLOGICAL INFORMATION: Product is a mixture of listed components.

13. Disposal Information

DISPOSAL INFORMATION: Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems.

14. Transport Information

	<u>Domestic (USDOT)</u>	<u>International (IMDG)</u>	<u>Air (IATA)</u>	<u>TDG (Canada)</u>
UN Number:	N.A.	N.A.	N.A.	N.A.
Proper Shipping Name:	Not Regulated	Not Regulated	Not Regulated	Not Regulated
Hazard Class:	N.A.	N.A.	N.A.	N.A.
Packing Group:	N.A.	N.A.	N.A.	N.A.
Limited Quantity:	No	No	No	No

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:

Acute Health Hazard, Chronic Health Hazard

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:

No Sara 313 components exist in this product.

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:

No TSCA 12(b) components exist in this product.

16. Other Information

HMIS RATINGS

Health: 2* Flammability: 0 Physical Hazard: 0 Personal Protection: X

NFPA RATINGS

Health: 2 Flammability: 0 Instability: 0

VOLATILE ORGANIC COMPOUNDS, g/L: 190

SDS REVISION DATE: 1/12/2017

REASON FOR REVISION: Regulatory Formula Source Changed
Product Composition Changed
Substance and/or Product Properties Changed in Section(s):
02 - Hazard Identification
09 - Physical & Chemical Properties
16 - Other Information
Statement(s) Changed

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

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.



**KRUD KUTTER® ORIGINAL
CLEANER/DEGREASER & STAIN REMOVER**

DESCRIPTION AND USES

Krud Kutter® Original Cleaner/Degreaser/Stain Remover is a water-based biodegradable, non-toxic cleaner designed to cut grease, oil, grime, tar and wax fast. It is color fast, fabric safe and leaves no residue.

This concentrated commercial strength formula safely and easily removes food and drink stains, dried latex paint, paint overspray, tape residue, glue and adhesive, acid rain, bird droppings, smoke damage, tree sap, grease & oil, marker & crayon, pet stains, brake dust, fireplace soot, oxidation, lipstick, scuff marks, blood stains, sun tan oil, tar & wax, chewing gum, soap scum mildew stains, shoe polish and more.

The heavy cleaning (full strength) removes dirt, oil, and grease from BBQ grills and ovens, hoods and exhaust fans, tubs, sinks and showers, tools and equipment, machinery, tile and grout, whitewalls, driveways, engines, and floor wax removal.

An all purpose formula (1½ cups of concentrate to 1 gallon of water) cleans and degreases appliances, mini-blinds, canvas, chrome, silver, brass, copper, porcelain, plastic, fiberglass, linoleum, aluminum, vinyl, patio furniture, walls and baseboards, carpets, upholstery, stainless steel and wheels.

For reflective surfaces such as computer and TV screens, glass mirrors, windows, display case, crystal, lights and car finishes, add 1½ ounces of concentrate to 1 gallon of water. Krud Kutter Cleaner/Degreaser & Stain Remover is recommended for exterior siding (wood, vinyl, aluminum), roofing of all types (asphalt shingles, fiberglass shingles, cedar, tile), gutters, wood fences and decks, stucco, brick and cement block, masonry, concrete driveways, walkways and walls, RV's patio furniture and boats.

PRODUCTS

SKU	DESCRIPTION
291528	4 oz. Flip Top Bottle
339798	20 oz. Foaming Aerosol
KK326	32 oz. Trigger Sprayer
KK012	1 Gallon Bottle
KK05	5 Gallon Pail
KK55	55 Gallon Drum
304109	32 oz. Trigger Sprayer & 1 Gallon Bottle

PRODUCT APPLICATION

DIRECTIONS

Always test on an inconspicuous area first. Apply directly on surface to be cleaned and allow to penetrate briefly. Wipe off with a clean cloth or towel.

PRODUCT APPLICATION (cont.)

DIRECTIONS (cont.)

For older, more difficult jobs, apply a generous amount of cleaner and allow to stand for a few minutes before wiping dry. For extremely tough jobs such as the removal of old, dried latex paint, scrub with a brush or scouring pad and wipe off with a wet rag. For engine cleaning, use on a cold, dry engine. **Do not use on varnished surfaces or leather. Do not mix this product with any other chemicals.**

PRESSURE WASHER APPLICATION

Contains anti-corrosive agents to safeguard pressure washer parts (bleach can erode O-rings). Please be aware that water pressure alone may remove paint or highlight existing discoloration caused by sun exposure.

Rinse surrounding plants with water before and after application. Wet the surface to be cleaned prior to applying the product. Place detergent application siphon tube and screen filter directly into container. Open the meter valve (if applicable) for maximum product flow. For reservoir machines, pour product (full strength) into pressure washer. Spray at low pressure onto a wet surface. On vertical surfaces, always spray from the top down. Allow product to remain on the surface for 3 to 5 minutes to penetrate. Do not allow product to dry on surface. Remove siphon tube from solution and rinse surface with high-pressure spray thoroughly. Flush siphon tube with clean water prior to storage.

CARPET CLEANING AND STAIN REMOVAL

Krud Kutter is safe for all carpet types, including synthetic as well as stain resistant carpets. Test in an inconspicuous area first. The concentrated formula will clean six 9' x 12' (2.5m x 4.0m) carpets. Coverage may vary depending on type and condition of carpet. Vacuum the carpet thoroughly. Pre-treat any stubborn spots or stains by using the undiluted concentrate as a stain remover prior to cleaning carpet. Add concentrate to the receiving/waste tank of the machine to reduce buildup. Add 4 ounces of concentrate for each gallon of water in the dispensing/fill tank. For heavy traffic areas or heavily soiled carpets, add 6 ounces of concentrate for each gallon of water. Use hot (not boiling) or cold water according to the carpet manufacturer's cleaning directions. Read machine instructions carefully. Do not overfill.

CAUTION! In case of contact with eyes or skin, flush with water for at least 15 minutes. If irritation persists, seek medical attention. If swallowed, take large amounts of water. Do not induce vomiting. Get medical attention.

KEEP OUT OF REACH OF CHILDREN.

	TECHNICAL DATA	KRK-01
	KRUD KUTTER® ORIGINAL CLEANER/DEGREASER & STAIN REMOVER	

PHYSICAL PROPERTIES

	ORIGINAL CLEANER/DEGREASER & STAIN REMOVER
Composition	Proprietary Blend of Biodegradable Surfactants, Detergents and Emulsifiers
pH	<12.2
Volatile Organic Compounds	0%
Practical Coverage	Heavy Soils (Full Strength) – 200-300 sq.ft./gal.
	Medium Soils (10 to 1) – 2,200-3,300 sq.ft./gal.
	Light Soils (30 to 1) – 6,200-9,300 sq.ft./gal.
Shelf Life	NA
Flash Point	Non-Flammable
Caution!	In case of contact with eyes or skin, flush with water for at least 15 minutes. If irritation persists, seek medical attention. If swallowed, take large amounts of water. Do not induce vomiting. Get medical attention. KEEP OUT OF REACH OF CHILDREN.
Safety Information	For additional information, see SDS

The technical data and suggestions for use contained herein are correct to the best of our knowledge, and offered in good faith. The statements of this literature do not constitute a warranty, express, or implied, as to the performance of these products. As conditions and use of our materials are beyond our control, we can guarantee these products only to conform to our standards of quality, and our liability, if any, will be limited to replacement of defective materials. All technical information is subject to change without notice.



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