

**KANO LABORATORIES,
INC. SAFETY DATA
SHEET**

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: KREEN
Product Use: Internal Combustion Cleaner for Industrial Use

Manufacturer: Kano Laboratories, LLC.
1000 E. Thompson Lane
Nashville, TN 37211

Emergency Phone Number: Chemtrec 1 (800) 424-9300

Manufacturer Phone Number: (615) 833-4101

Website: www.kanolaboratories.com

SDS Date of Preparation: September 2, 2025

SECTION 2: HAZARDS IDENTIFICATION

GHS / HAZCOM 2024 / WHMIS 2022 Classification:

Health	Physical
Aspiration Hazard Category 1 Eye Damage Category 1 Skin Irritation Category 2 Skin Sensitization Category 1 Specific Target Organ Toxicity – Single Exposure Category 3 (Respiratory Irritation, CNS) Toxic to Reproduction Category 2	Flammable Liquid Category 3

Label Elements

Danger!



Flammable Liquid and vapor.
 May be fatal if swallowed and enters airways.
 Causes skin irritation.
 May cause an allergic skin reaction
 Causes serious eye damage.
 May cause respiratory irritation.
 May cause drowsiness or dizziness.
 Suspected of damaging fertility or the unborn child.

Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
 Ground and bond container and receiving equipment
 Use explosion-proof electrical, ventilating and lighting equipment.

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Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing mist, vapors or spray.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing must not be allowed out of the workplace.
Wash thoroughly after handling.
Wear eye protection and protective gloves.
IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
IF exposed or concerned: Get medical attention.
In case of fire: Use carbon dioxide, dry chemical or foam to extinguish.
Store in a well-ventilated place. Keep container tightly closed. Keep cool.
Dispose of contents and container in accordance with local and national regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	%
Severely Hydrotreated Petroleum Distillates	64742-52-5 64742-53-6	15-25
Light Petroleum Distillates	64742-47-8	15-25
Methyl Ethyl Ketone, MEK	78-93-3	7-13
Dipropylene Glycol Monopropyl Ether	29911-27-1	7-13
Proprietary Ingredient	Proprietary	7-13
Diacetone Alcohol (2-hydroxy-2-methyl-4-pentanone; 4-hydroxy-4-methylpentan-2-one)	123-42-2	7-13
Isobutyl Alcohol (1-propanol, 2-methyl-; isobutanol)	78-83-1	7-13
Tricresylphosphate	1330-78-5	1-<2

The exact percentage has been withheld as a trade secret

SECTION 4: FIRST AID MEASURES

Eye: Rinse thoroughly with water for 20 minutes, Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical attention.

Skin: Remove contaminated clothing. Wash contact area thoroughly with soap and water for several minutes. Get medical attention if irritation or rash develop. Launder clothing before re-use.

Inhalation: Remove victim to fresh air. Give artificial respiration if needed. If breathing is difficult, oxygen should be administered by qualified personnel. Get medical attention if symptoms develop.

Ingestion: DO NOT induce vomiting. Keep the victim calm and warm. Never give anything by mouth to an unconscious or drowsy person. Get immediate medical attention.

Most important symptoms and effects, acute and delayed: Causes severe eye irritation and possible damage. Causes skin irritation. May cause an allergic skin reaction. Inhalation of vapors or mist may cause respiratory irritation and central nervous system effects such as headache, dizziness, nausea and vomiting. Harmful or fatal if swallowed. Aspiration into the lungs during ingestion or vomiting may cause lung damage. Suspected of damaging fertility or the unborn child.

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Indication of immediate medical attention and special treatment, if needed: If swallowed or eye contact occurs, get immediate medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media: Use carbon dioxide, dry chemical or foam. Water may be ineffective but can be used to cool containers and structures.

Specific Hazards Arising from the Chemical: Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back. Never use welding or cutting torch on or near containers (even empty) because product can ignite explosively. Combustion may produce oxides of carbon, organic compounds, smoke and fumes.

Special Protective Equipment and Precautions for Fire-fighters: Wear NIOSH approved positive pressure, self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, Protective equipment, and Emergency procedures: Wear appropriate protective clothing to prevent eye and skin contact including impervious gloves, safety goggles and respirator if needed.

Environmental precautions: Avoid release to the environment. Report spills and releases as required to appropriate authorities.

Methods and Materials for Containment and Cleaning up: Remove all ignition sources such as open flames, spark producing equipment, pilot lights, etc. Ventilate area. Cover with an inert absorbent material and collect into an appropriate container for disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Avoid breathing vapors, aerosols and mists. Use with adequate ventilation. Avoid contact with the eyes, skin and clothing. Wash exposed skin thoroughly with soap and water after use. Keep product away from heat, sparks, flames and all other sources of ignition. No smoking in storage or use areas.

OTHER PRECAUTIONS: Do not cut, braze, solder, grind or weld empty containers. Do not reuse containers. Follow all SDS precautions in handling empty containers.

Conditions for Safe Storage, Including any Incompatibilities: Store in a cool, dry, well-ventilated location away from oxidizing agents and other incompatible materials. Keep containers closed.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	Exposure Limits
Severely Hydrotreated Petroleum Distillates (as mineral oil)	5 mg/m ³ TWA OSHA PEL (as oil mist) 5 mg/m ³ TWA ACGIH TLV (inhalable fraction)
Light Petroleum Distillates	166 ppm TWA Manufacturer Recommended (vapor)
Methyl Ethyl Ketone, MEK	200 ppm TWA OSHA PEL 75 ppm TWA, 150 ppm STEL ACGIH TLV skin

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Proprietary Ingredient	None Established
Dipropylene Glycol Monopropyl Ether	None Established
Diacetone Alcohol (2-hydroxy-2-methyl-4-pentanone; 4-hydroxy-4-methylpentan-2-one)	50 ppm TWA OSHA PEL 10 ppm TWA ACGIH TLV
Isobutyl Alcohol (1-propanol, 2-methyl-; isobutanol)	100 ppm TWA OSHA PEL 50 ppm TWA ACGIH TLV
Tricresylphosphate	None Established

Appropriate Engineering Controls: Use with adequate general or local exhaust ventilation to maintain concentrations below the occupational exposure limits. Use explosion proof electrical equipment and wiring where required.

Personal Protective Equipment:

Respiratory Protection: If needed, a NIOSH approved respirator with organic vapor cartridges may be used. For higher exposures, a supplied air respirator may be required. Respirator selection and use should be based on contaminant type, form and concentration. Follow OSHA 1910.134, ANSI Z88.2 and good Industrial Hygiene practice.

Hand protection: Wear impervious gloves to avoid skin contact.

Eye Protection: Wear chemical safety goggles.

Skin Protection: Impervious clothing as required to prevent skin contact and contamination of personal clothing.

Hygiene measures: Suitable eye wash and washing facilities should be available in the work area.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Odor:	Solvent
Color:	Clear	pH:	Not available
Melting/Freezing Point:	Not available	Boiling Point/Range:	182°F (83.3°C)
Flash Point:	75°F (24°C) COC	Particle Characteristics	Not available
Flammability:	Flammable liquid	Flammability Limits:	UEL: 12% LEL: 1.1%
Vapor Pressure:	71 mmHg @ 20°C (MEK)	Relative Vapor Density:	Not available
Relative Density:	0.8639	Solubility:	Moderately Soluble in Water
Partition Coefficient: (N-Octanol/Water)	Not available	Autoignition Temperature:	Not available
Decomposition Temperature:	Not available	Kinematic Viscosity:	Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity: None known.

Chemical Stability: Stable under normal conditions of storage or use.

Possibility of Hazardous Reactions: None known.

Conditions to avoid: Avoid heat, sparks, flames and all other sources of ignition.

Incompatible Materials: Avoid strong oxidizing agents, reducing agents, acids, bases, amines, alkanolamines,

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ammonia and chlorinated compounds. .

Hazardous decomposition products: Combustion will produce oxides of carbon, organic compounds, smoke and fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

Potential Health Effects:

Eye: Causes severe eye irritation or burns with redness, excessive tearing and stinging. Permanent damage may occur.

Skin: Causes irritation with redness, rash, swelling. Prolonged or repeated contact may result in defatting and dermatitis.

Inhalation: Inhalation of vapors or mists may cause mucous membrane and upper respiratory tract irritation and central nervous system depression. Symptoms may include coughing, wheezing, shortness of breath, headache, dizziness, drowsiness, nausea, fatigue and unconsciousness.

Ingestion: Swallowing may cause gastrointestinal irritation with abdominal pain, nausea, vomiting and diarrhea and central nervous system depression with symptoms including headache, dizziness, intoxication, weakness, nausea, and vomiting. Aspiration into the lungs during ingestion or vomiting may cause lung damage.

Chronic Hazards: Tricresylphosphate is suspected of damaging fertility or the unborn child. Prolonged or repeated exposure may cause damage to the central nervous system, kidney and liver.

Carcinogen Status: None of the components of this product at greater than 0.1% are listed as carcinogens by OSHA, IARC or NTP.

Acute toxicity: Toxicological testing has not been performed on this product as a mixture.

Acute Toxicity Estimate: Oral >2000 mg/kg, Inhalation >5 mg/kg, Dermal >2000 mg/kg

Severely Hydrotreated Petroleum Distillates: Oral rat LD50 > 5000 mg/kg; Dermal rat LD50 > 5000 mg/kg
Inhalation rat LC50 > 2.18 mg/L/4 hr.

Light Petroleum Distillates: Oral rat LD50 >5000 mg/kg, Inhalation rat LC50 >5.28 mg/L/4 hr,
Dermal rabbit LD50 >2000 mg/kg

Methyl Ethyl Ketone: Oral rat LD50 2054 mg/kg; Dermal rat LD50 8200 mg/kg

Dipropylene Glycol Monopropyl Ether: Oral rat LD50 >2000 mg/kg Dermal rabbit LD50 >2000 mg/kg.

Proprietary Ingredients: Oral rat LD50 2760 mg/kg; Dermal rabbit LD50 >2000 mg/kg

Diacetone Alcohol: Oral rat LD50 3002 mg/kg; Dermal rat LD50 > 1875 mg/kg;
Inhalation rat LC50 > 7.6 mg/L/4 hr.

Isobutyl Alcohol: Oral rat LD50 > 2830 mg/kg; Inhalation rat LC50 24.6 mg/L/4 hr;
Dermal rabbit LD50 > 2000 mg/kg

Tricresylphosphate: Oral rat LD50 > 20,000 mg/kg; Inhalation rat LC00 >5.2 mg/L/4 hr;
Dermal rabbit LD50 3,700 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: No toxicity data available for the product.

Severely Hydrotreated Petroleum Distillates: 96 hr. LC50 Pimephales promelas > 100 mg/L;

48 hr. EC50 daphnia magna >1000 mg/L; 72 hr. EC50 Pseudokirchnerella subcapitata > 100 mg/L

Light Petroleum Distillates: 96 hr LL50 Oncorhynchus mykiss 2.5 mg/kg, 48 hr EL50 daphnia magna 1.4 mg/L,
72 hr EL50 Pseudokirchnerella subcapitata 1.3 mg/L

Methyl Ethyl Ketone: 96 hr. LC50 Pimephales promelas 2993 mg/L; 48 hr. EC50 daphnia magna 308 mg/L,
72 hr. EC50 Pseudokirchnerella subcapitata 2029 mg/L

Dipropylene Glycol Monopropyl Ether: 96 hr LC50 Oncorhynchus mykiss >100 mg/L,

48 hr EC50 daphnia magna >100 mg/L, 96 hr EC50 Pseudokirchnerella subcapitata >1000 mg/L

Proprietary Ingredients: 96 hr. LC50 Oncorhynchus mykiss 18350 ug/L

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Diacetone Alcohol: 96 hr. LC50 *Oryzias latipes* >100 mg/L; 48 hr. EC50 *daphnia magna* >1000 mg/L;
72 hr. EC50 *Pseudokirchnerella subcapitata* >1000 mg/L
Isobutyl Alcohol: 96 hr LC50 *Pimephales promelas* 1430 mg/L; 48 hr EC50 *daphnia pulex* 1100 mg/L;
72 hr EC50 *Pseudokirchnerella subcapitata* 1799 mg/L
Tricresylphosphate: 96 hr. LC50 *Oncorhynchus mykiss* 0.6 mg/L; 48 hr. EC50 *daphnia magna* 146 ug/L;
72 hr. EL50 *Pseudokirchnerella subcapitata* >2.5 mg/L

Persistence and Degradability: Diacetone Alcohol, isobutyl alcohol, methyl ethyl ketone, and tricresylphosphate are readily biodegradable. Severely hydrotreated petroleum distillate is inherently biodegradable based on structurally similar chemicals.

Bioaccumulative Potential: Diacetone Alcohol has a calculated BCF of 0.5. Methyl ethyl ketone has a calculated BCF of 3. Isobutyl alcohol has a calculated BCF of 3

Mobility in Soil: Diacetone Alcohol, isobutyl alcohol and methyl ethyl ketone have a high to very high mobility in soil.

Other Adverse Effects: None known

SECTION 13: DISPOSAL INFORMATION

Disposal instructions: Dispose of product in accordance with all local, state/provincial and federal regulations.

Contaminated packaging: Offer rinsed packaging material to local recycling facilities.

SECTION 14: TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT (not over 5 liters)		Limited Quantity			
DOT (container over 1 liter)	UN1993	Flammable liquid, n.o.s. (Aliphatic Alcohols, Methyl Ethyl Ketone, Petroleum Distillates)	3	III	RQ 33,333 lbs.
IMDG	UN1993	Flammable liquid, n.o.s. (Aliphatic Alcohols, Methyl Ethyl Ketone, Petroleum Distillates)	3	III	Marine Pollutant
IATA	UN1993	Flammable liquid, n.o.s. (Aliphatic Alcohols, Methyl Ethyl Ketone, Petroleum Distillates)	3	III	None

Transport in bulk according to IMO instruments: Not applicable – product is transported only in packaged form.

Special precautions: None known.

SECTION 15: REGULATORY INFORMATION



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U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: This product has a Reportable Quantity (RQ) of 33,333 lbs. (based on the RQ for Methyl Ethyl Ketone of 5,000 lbs. present at 15% maximum). Releases above the RQ must be reported to the National Response Center. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA TITLE III:

Hazard Category for Section 311/312: Refer to Section 2 for the OSHA Hazard Classification.

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.

SECTION 16: OTHER INFORMATION

HMIS Ratings:	Health - 3	Flammability – 3	Reactivity - 0
NFPA Ratings:	Health - 3	Flammability – 3	Reactivity – 0

SDS Revision Comment: Revisions to conform to HCS2024 and WHMIS 2022 (Rev. to Sections 2, 3, 8, 9, 11, 12 and 14).

Date of Preparation: September 02, 2025

Date of Previous Revision: July 09, 2020

The information contained herein has been developed based upon current available scientific data. New information may be developed from time to time which may render the conclusions of this report obsolete. Therefore, no warranty is extended as to the applicability of this information to the user’s intended purpose or the consequences of its use or misuse.