KANO LABORATORIES, LLC
SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Kroil Shield Corrosion and Rust Inhibitor
Product Use: Corrosion Inhibitor
Restrictions on Use: None known

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.kroil.com

SDS Date of Preparation: January 6, 2026

SECTION 2: HAZARD IDENTIFICATION

GHS / HAZCOM 2024/WHMIS 2022 Classification:

Health	Physical
Skin Irritation Category 2 Eye Irritation Category 2A Skin Sensitization Category 1 Aspiration Hazard Category 1	Not classified as hazardous

Label Elements:

Danger!

Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction.
May be fatal if swallowed and enters airways.

Avoid breathing mist or vapors. Wash thoroughly after handling. Contaminated clothing must not be allowed out of the workplace. Wear protective gloves, protective clothing and eye protection.
IF SWALLOWED: Immediately call a POISON CENTER. Do NOT induce vomiting.
IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Store locked up.
Dispose of contents and container in accordance with local and national regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	%
Low Vapor Pressure (LVP) Aliphatic Hydrocarbon	64742-47-8	20-40
Residual Oils, solvent dewaxed	64742-62-7	20-40
Calcium bis(dinonylnaphthalenesulphonate)	57855-77-3	5-10
Alkyl dithiophosphate	Proprietary	1-5

The exact percentage has been withheld as a trade secret or is a variation in formula.

SECTION 4: FIRST AID MEASURES

Eye: Rinse thoroughly with water for 15 minutes, while holding the eye lids open to be sure the material is washed out. Get medical attention if irritation persists.

Skin: Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation or rash occurs. 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.

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 eye and 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.

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

SECTION 5: ACCIDENTAL RELEASE 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: Not classified as flammable or combustible but will burn under fire conditions. Never use welding or cutting torch on or near containers (even empty) because product can ignite explosively. Combustion products may be hazardous: 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. Ventilate the area.

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

Methods and Materials for Containment and Cleaning up: 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.

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
LVP Aliphatic Hydrocarbon	100 ppm TWA Manufacturer Recommended
Residual Oils, solvent dewaxed	5 mg/m^3 TWA OSHA PEL (as oil mist) 5 mg/m^3 TWA ACGIH TLV (inhalable fraction)
Calcium bis(dinonylnaphthalenesulphonate)	None Established
Alkyl dithiophosphate	None Established

Appropriate Engineering Controls: Use with adequate general or local exhaust ventilation to maintain concentrations below the occupational exposure limits.

Personal Protective Equipment:

Respiratory Protection: If the exposure limits listed above are exceeded, 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: Impervious gloves are recommended when needed to avoid skin contact.

Eye Protection: Chemical safety goggles recommended is splashing is possible.

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:	Amber	**pH:**	Not applicable
Melting/Freezing Point:	Not available	**Boiling Point/Range:**	Not available
Flash Point:	262°F (128°C)	**Particle Characteristics:**	Not applicable
Flammability:	Not flammable	**Flammability Limits:**	UEL: 7% LEL: 0.6% (LVP Aliphatic Hydrocarbon)
Vapor Pressure:	Not available	**Relative Vapor Density:**	Not available
Relative Density:	0.88	**Solubilities:**	Negligible in Water
Partition Coefficient (N-Octanol/Water):	Not available	**Autoignition Temperature:**	527°F (275°C)
Decomposition Temperature:	Not available	**Kinematic Viscosity:**	Not available
VOC:	<1%		

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 excessive heat and open flames.
Incompatible Materials: Avoid strong oxidizing agents, reducing agents, acids and bases.
Hazardous decomposition products: Combustion will produce oxides of carbon, acetone, acrid fumes and smoke.

SECTION 11: TOXICOLOGICAL INFORMATION

Potential Health Effects:

Eye: May cause mild eye irritation with redness, tearing and stinging.

Skin: May cause irritation with redness, rash, swelling. Prolonged or repeated contact may result in defatting and dermatitis. Repeated skin contact may cause sensitization (allergic skin reaction).

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 and nausea.

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: None expected.

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.
LVP Aliphatic Hydrocarbon: Oral rat LD50 >2000 mg/kg, Dermal rat LD50 > 5000 mg/kg,
Inhalation rat LC50 > 6.8 mg/L/4 hr.
Residual Oils, solvent dewaxed: Oral rat LD50 >5000 mg/kg, Dermal rabbit LD50 >2000 mg/kg
Calcium bis(dinonylnaphthalenesulphonate): Oral rat LD50 >2500 mg/kg, Dermal rabbit LD50 >10000 mg/kg
Alkyl dithiophosphate: Oral rat LD50 11,300 mg/kg,

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: No toxicity data available for the product.
LVP Aliphatic Hydrocarbon: 96 hr LC50 Oncorhynchus mykiss 2.9 mg/L
Residual Oils, solvent dewaxed: Not expected to be harmful to aquatic organisms.
Calcium bis(dinonylnaphthalenesulphonate): No effects observed up to the solubility limit.
Alkyl dithiophosphate: 96 hr. LC50 oncorhynchus mykiss >100 mg/L; 48 hr. EC50 daphnia magna >100 mg/L; 72 hr. EC50 algae>100 mg/L
Persistence and Degradability: LVP Aliphatic Hydrocarbon is readily biodegradable. Other components are not or there is no available data.

B**ioaccumulative Potential:** No data available.

Mobility in Soil: No data available

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 Regulated			
TDG		Not regulated			
IMDG		Not regulated			
IATA		Not regulated			

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None known.

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: This product is not subject to reporting but oil spills are reportable to the national response center. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

STATE REPORTING REGULATIONS:

California Proposition 65: This product does not require a warning for California Proposition 65.

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

International Chemical Inventories:

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

Canadian DSL: All of the components of this product are listed on the Canadian Domestic Substances List.

SECTION 16: OTHER INFORMATION

HMIS Ratings: Health – 2 Flammability - 1 Physical Hazard – 0
NFPA Ratings: Health - 2 Flammability - 1 Instability – 0

SDS Revision Comment: Revisions to Sections 3, 5, 6, 7, 8, 9, 10, 14.

Date of Preparation: January 6, 2026

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The information contained herein has been developed based upon current available scientific data. New information

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