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Revision Date

Version 1.01

1. PRODUCT AND COMPANY IDENTIFICATION

Product name WEATHERPRUF
Product code F00392 K
Product Type Extremely flammable aerosol
Recommended Use Rust preventative

Kano Laboratories
1000 East Thompson Lane
Nashville, TN 37211

Chemical Emergency Phone Number Chemtrec 800-424-9300

2. HAZARDS IDENTIFICATION

DANGER!

Emergency Overview

Extremely flammable aerosol
Contents under pressure
Irritating to respiratory system
Irritating to skin
Irritating to eyes

Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal

Physical state Aerosol.

Odor Solvent

OSHA Regulatory Status This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Potential Health Effects

Principle Routes of Exposure Eye contact. Skin contact. Inhalation.

Acute toxicity

Eyes

Irritating to eyes.

Skin

Irritating to skin. Prolonged skin contact may defat the skin and produce dermatitis. May cause frostbite.

Inhalation

Irritating to respiratory system. Avoid breathing vapors or mists. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing.

Ingestion

Not an expected route of exposure. Potential for aspiration if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Effects No information available.

Aggravated Medical Conditions Central nervous system. Preexisting eye disorders. Kidney disorders. Skin disorders. Respiratory disorders.

Interactions with Other Chemicals Use of alcoholic beverages may enhance toxic effects

Environmental hazard

See Section 12 for additional Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Chemical Name	CAS-No	Weight %
HEXANE	110-54-3	30-60
PROPANE/ISOBUTANE/N-BUTANE	68476-86-8	10-30
CORROSION INHIBITOR	MIXTURE	7-13
MINERAL SPIRITS	8052-41-3	7-13

4. FIRST AID MEASURES

General advice	Show this material safety data sheet to the doctor in attendance.
Eye contact	Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Hold eye open and rinse slowly and gently with water for 15-20 minutes.
Skin contact	Wash off immediately with soap and plenty of water. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.
Ingestion	Do NOT induce vomiting. Call physician immediately.
Notes to physician	No information available.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Extremely flammable aerosol.
Flash point	-141 °F
Method	Propellant only
Suitable Extinguishing Media	Foam. Dry chemical. Alcohol-resistant foam. Carbon dioxide (CO2).
Hazardous Combustion Products	Carbon oxides.
Explosion Data	
Sensitivity to Static Discharge	No information available.
Specific hazards arising from the chemical	Containers can build up pressure if exposed to heat (fire). Keep containers and surrounding areas cool with water spray.
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
NFPA	Health Hazard 2 Flammability 4 Stability 0 Physical and chemical hazards -
HMIS	Health Hazard 2 Flammability 4 Physical Hazard 2 Personal protection B

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation. For personal protection see section 8.
Environmental precautions	Do not flush into surface water or sanitary sewer system.

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up 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

Advice on safe handling Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can.

Technical measures/Storage conditions Keep out of the reach of children. Incompatible with oxidizing agents. Keep away from direct sun exposure and temperatures over 120 °F (49 °C). Do not puncture, incinerate, or dispose of in household trash compactor.

Aerosol Level 3

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
MINERAL SPIRITS 8052-41-3	TWA: 100 ppm	TWA: 500 ppm TWA: 2900 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 525 mg/m ³	IDLH: 20000 mg/m ³ Ceiling: 1800 mg/m ³ 15 min TWA: 350 mg/m ³

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Engineering Measures Ensure adequate ventilation.

Personal Protective Equipment

Eye/Face Protection Safety glasses with side-shields.

Skin and body protection Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene measures Do not eat, drink or smoke when using this product. General industrial hygiene practice. Avoid contact with skin, eyes and clothing. Wash hands and face before breaks and immediately after handling the product. Avoid breathing vapors, mist or gas.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state Aerosol
Odor Solvent

Appearance No information available
Color No information available

Property	Values	Notes
pH	Not applicable	
Boiling point/boiling range	-23 to 387 °F	No information available
Flash Point	-141 °F	Propellant only
Flammability Limits in Air		No data available
upper flammability limit	9.5 %	
lower flammability limit	0.7 %	
Vapor pressure		Not Determined
Vapor density		Heavier than air
Specific Gravity	0.67	No information available

Water solubility	negligible	No information available
Viscosity, kinematic		No information available
VOC Content(%)	92.95	

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions.
Incompatible products	Strong oxidizing agents.
Conditions to Avoid	Strong oxidizing agents. Strong bases.
Hazardous Decomposition Products	Carbon oxides. Fumes.
Hazardous Reactions	No information available.
Hazardous Polymerization	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product Information	Causes skin, eye and respiratory tract irritation. May be harmful if swallowed.
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Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
HEXANE	5000 mg/kg (Rat)	3160 mg/kg (Rabbit)	73680 ppm (Rat) 4 h

Chronic toxicity

Carcinogenicity	There are no known carcinogenic chemicals in this product.
Target Organ Effects	Central nervous system. Eyes. Kidney. Respiratory system. Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods	Dispose of in accordance with federal, state, and local regulations.
Contaminated packaging	Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT Ground	Consumer Commodity ORM-D or Limited Quantity
DOT/49CFR Air	Aerosol, Flammable, Limited Quantity, UN1950, 2.1
IATA	Aerosol, Flammable, Limited Quantity, UN1950, 2.1
IMDG	Aerosol, Flammable, UN1950, 2.1

15. REGULATORY INFORMATION

International Inventories

TSCA	TSCA
DSL	-
NDSL	Complies
EINECS	-
ELINCS	-
ENCS	-
IECSC	-
KECL	-
PICCS	-
AICS	-

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
HEXANE	Present	X	Not listed	265-151-9	Not listed	(9)-1689	X	KE-25623	X	X
PROPANE/ISOBUTANE/N-BUTANE	Present	X	Not listed	270-705-8	Not listed	Not listed	X	KE-28192	X	X
MINERAL SPIRITS	Present	X	Not listed	232-489-3	Not listed	(9)-1702	X	KE-32199	X	X

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances **IECSC**

- China Inventory of Existing Chemical Substances **KECL** -

Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	SARA 313 - Threshold Values %
HEXANE	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	no
Fire Hazard	Yes
Sudden Release of Pressure Hazard	no
Reactive Hazard	no

U.S. State Regulations

California Proposition 65

This product does not contain any known Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any chemicals subject to state reporting regulations that are not already listed elsewhere in this document.

International Regulations

Chemical Name	Carcinogen Status	Exposure Limits
MINERAL SPIRITS		Mexico: TWA 100 ppm Mexico: TWA 523 mg/m ³ Mexico: STEL 200 ppm Mexico: STEL 1050 mg/m ³

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

Prepared By

Regulatory Affairs

Revision Note

No information available.

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Material Safety Data Sheet