

1 IDENTIFICATION**Product Name**

Rust Resister

Applicable Products

Rust Resister

Recommended Chemical Use and Restrictions

See product label for "Directions For Use". Restrictions can be found in Section 10 "Conditions to Avoid".

Supplier

Nulex, Inc.
2717 Port Neal Circle
Sergeant Bluff, IA 51054
Tel: 712-277-2011

Emergency Telephone

Chemtrek 1-800-424-9300 available 24 hours a day

2 HAZARD IDENTIFIATION**Directive 67/548/EEC***Classification - Carc. Cat. 2; R45, Labeling – T, R45, S53-45***Health Hazards****Severely Solvent- Refined Heavy Paraffinic Petroleum Oil:** The substance can be absorbed into the body by inhalation of its aerosol and by ingestion.**Severely Solvent- Refined Light Paraffinic Petroleum Oil:** Lox toxicity by ingestion and skin contact.**Physical Hazards**

This product has physical hazards that should be avoided. See Section 10 of the MSDS for details

Environmental Hazards

Not Established

3 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Common Name / Synonyms	CAS-No.	Concentration
Severely Solvent- Refined Heavy Paraffinic Petroleum Oil	Distillates(Petroleum), Solvent-Refined (mild) Heavy Paraffinic (9CI); Base oil, lubricant base stock	64741-88-4	40-60%
Severely Solvent- Refined Light Paraffinic Petroleum Oil	Distillates(Petroleum), Solvent-Refined (mild) Light Paraffinic (9CI)	64741-89-5	1-40%
Balance	Product Balance is non-hazardous material.	NE	40-99%

4 FIRST-AID MEASURES

Routes of Exposure	Symptoms / Effects	Immediate Medical / Special Treatment
Inhalation	Dizziness. Headache.	Fresh air, rest. Refer for medical attention.
Skin	Dry skin	Remove contaminated clothes. Rinse skin with plenty of water or shower.
Eyes	Redness	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion	Diarrhea. Nausea.	Do NOT induce vomiting. Refer for medical attention. The symptoms of chemical pneumonitis do not become manifest until a few hours or even a few days have passed and they are aggravated by physical effort.

5 FIRE-FIGHTING MEASURES

Suitable / Unsuitable Extinguishing Media			
Water Spray	Yes	Dry Chemical	Yes
Foam	Yes	Halon	No
Carbon Dioxide	Yes	Other	NE

Specific Hazards

Combustible. When heated to decomposition it emits acrid smoke and irritating fumes.

Protective Equipment / Precautions for Fire Fighters

In case of fire: keep drums, etc., cool by spraying with water.

6 ACCIDENTAL RELEASE MEASURES**Personal Precautions**

Not Established

Protective Equipment

Local exhaust. Protective gloves. Safety goggles.

Emergency Procedures

Contain spilled substance. Comply with all applicable governmental regulations on spill reporting, handling, and disposal of waste.

Containment / Clean Up

Ventilation. Collect leaking and spilled liquid in sealable containers as far as possible. Absorb remaining liquid in sand or inert absorbent and remove to safe place.

7 HANDLING AND STORAGE

Code	Prevention Precautionary Statement	Hazard Class	Hazard Category	Conditions of Use / Incompatibilities
P202	Do not handle until all safety precautions have been read and understood.	Carc.	1B	See Section 6, 7, and 8 of the MSDS.
P281	Use personal protective equipment as required.			

Information obtained from 1272/2008/EC, Table 6.2

Storage

Store and handle in accordance with all current regulations and standards. Keep container tightly closed and properly labeled. Store in a cool, dry area. Keep separated from incompatible substances (see Section 10 of MSDS).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

CHEMICAL NAME	CAS#	EXPOSURE LIMITS IN AIR					
		ACGIH			OSHA		NIOSH
		TLV	STEL	PEL	STEL	IDLH	REL
		mg/m ³	mg/m ³	mg/m ³	mg/m ³	mg/m ³	mg/m ³
Severely Solvent- Refined Heavy Paraffinic Petroleum Oil	64741-88-4	5 mg/m ³ Intended change (oil mist, mineral)	NE	NE	NE	NE	NE

Engineering Controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Individual Protection Measures

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick drench facilities in work area.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Brown to gray liquid	Vapor Density:	> 1	Vapor Pressure, mmHg@25°C	NE
Odor	Slight oil odor	% Volatile by Volume	< 1	Specific Gravity	0.85 – 0.95 @ 68°F
Odor Threshold	NE	Evaporation Rate	NE	Salt-out	NE
pH (10% solution)	NE	Flammability	NE	Solubility	Negligible

10 REACTIVITY, STABILITY, AND HAZARDOUS POLYMERIZATION**Reactivity**

Strong oxidizers.

Stability

Material is stable as blended and for recommended use.

Hazardous Polymerization

Will not occur.

Conditions to Avoid

Avoid heat, sparks and open flame.

Incompatible Materials

Reacts with strong oxidants causing fire and explosion hazard.

Hazardous Decomposition

Combustion may produce carbon monoxide, carbon dioxide and other asphyxiants.

11 TOXICOLOGICAL INFORMATION

Chemical Name: Severely Solvent- Refined Heavy Paraffinic Petroleum Oil

Routes of Entry	Units	Health	Yes / No or Type
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Inhalation (rat)	NE	Acute	NE
Oral (rat)	>15 g/kg	Chronic	NE
Dermal	NE	Carcinogen	Group 1 -Animal Sufficient Evidence
Irritation (skin-rbt)	>5 g/kg	Mutagen	NE
Irritation (eyes)	NE	Target Organs	NE
Sensitization	NE	Symptoms	NE

Chemical Name: Severely Solvent- Refined Light Paraffinic Petroleum Oil

Routes of Entry	Units	Health	Yes / No or Type
Inhalation (rat)	NE	Acute	NE
Oral (rat)	LD50: >15g/kg	Chronic	NE
Dermal	NE	Carcinogen	Group 1 -Animal Sufficient Evidence
Irritation (skin)	NE	Mutagen	NE
Irritation (eyes)	NE	Target Organs	NE
Sensitization	NE	Symptoms	NE

12 ECOLOGICAL INFORMATION


Environmental Stability

Stable under normal conditions.

Persistence/Degradability / Bioaccumulative / Mobility in Soil

Not Established

13 DISPOSAL CONSIDERATIONS

Code	Hazard Class	Hazard Category	GHS Pictogram
H350	Carc.	1B	

International Chemical Safety Card (ICSC) #1431 – Spillage Disposal

Ventilation. Collect leaking and spilled liquid in sealable containers as far as possible. Absorb remaining liquid in sand or inert absorbent and remove to safe place.

Preparing Waste for Disposal

Waste disposal must be in accordance with appropriate Federal, State, and local regulations.

14 TRANSPORT INFORMATION

Not Established under DOT - 49 CFR 172.101

15 REGULATORY INFORMATION

SARA Reporting Requirements

Not established under EPA/SARA.

TSCA Inventory Status

Not Established.

California Proposition 65

Not Established.

Hazardous Material Identification Table

Code	Health	Flammable	Instability/Reactivity
NFPA	1	1	0

Least: 0, Slight: 1, Moderate: 2, High: 3, Extreme: 4

16 OTHER INFORMATION

Risk Phrase			Safety Phrase		
Single	Multiple	Description	Single	Multiple	Description
R45		May cause cancer	S53		Avoid exposure - obtain special instructions before use
			S45		In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)

Information Obtained From 67/548/EEC, Directive 1999/45/EC and Chip 2009 N. 716

Labeling Precautionary Statement(s)

DANGER! Harmful or fatal if swallowed. Pulmonary aspiration hazard. After ingestion, may enter lungs and produce damage.

CAUTION: Empty containers may contain product residue which could include flammable or explosive vapors.

The information and recommendations herein are taken from data contained in independent, industry recognized references including, NIOSH, OSHA, ANSI, and NFPA. This information is furnished free of charge and is based on data believed to be reliable. It is intended for use by persons possessing technical knowledge at their own discretion and risk. Since actual use is beyond our control, no guarantee, express or implied, and no liability is assumed by Nutra-Flo Company in conjunction with this information. Nothing herein is to be construed as a recommendation to infringe any patents.