

Material Safety Data Sheet

Les Frickshun RustAvert Clear Rust Preventative



1. Product and company identification

Product name	: Les Frickshun RustAvert Clear Rust Preventative
Material uses	: Les Frickshun RustAvert Clear Rust Preventative
Supplier and Manufacturer	: Les Frickshun, Inc. P.O. Box 1405, Oil City, PA 16301
Responsible name	: CHEMTREC: 800-424-9300
In case of emergency	: Central PA Poison Control: (800) 222-1222

2. Hazards identification

Physical State	: Liquid.
Odor	: Petroleum.
OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Emergency overview	: WARNING! CAUSES EYE AND SKIN IRRITATION. Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
Routes of entry	: Dermal contact. Eye contact. Inhalation. Ingestion.
Potential acute health effects	
Inhalation	: No known significant effects of critical hazards.
Ingestion	: No known significant effects of critical hazards.
Skin	: Irritating to skin.
Eyes	: Irritating to eyes.
Potential chronic health effects	
Chronic effects	: No known significant effects of critical hazards.
Carcinogenicity	: No known significant effects of critical hazards.
Mutagenicity	: No known significant effects of critical hazards.
Teratogenicity	: No known significant effects of critical hazards.
Developmental effects	: No known significant effects of critical hazards.
Fertility effects	: No known significant effects of critical hazards.
Over-exposure signs/symptoms	
Inhalation	: LC50:>700PPM/4 Hr rat
Ingestion	: LD50:>20ml/kg rat



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2. Hazards identification

Skin : Adverse symptoms may include the following:
irritation, redness

Eyes : Adverse symptoms may include the following:
pain or irritation, watering, redness

Medical conditions aggravated by over-exposure : None known.

See toxicological information (section 11)

3. Composition/information on ingredients

United States

Name	CAS number	%
Base Oils.	64742-88-7	>50

The Base Oil may contains one or more of the following ingredients:012174-11-7, 64743-01-7, 8052-41-3

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

Eye contact : Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.

Skin contact : Wash with soap and water. Get medical attention if symptoms occur.

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.

Ingestion : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Notes to physicians : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting measures

Flammability of the product : May be combustible at high temperature.

Extinguishing media

Suitable : Use dry chemical, CO₂, water spray (fog) or foam.

Not suitable : None known.

Hazardous thermal decomposition products

Special protective : Firefighters should wear appropriate protective equipment and self-contained

equipment for firefighters breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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6. Accidental release measures

Personal precautions

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8)

Environmental precautions

Avoid dispersal of spilled material and runoff can contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for cleaning up

Small spill

: Stop leak if without risk. Move containers from spill area. Dispose of via a licensed waste disposal contractor.

Large spill

: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined area. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

7. Handling and storage

Handling

: Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage

: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.



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8. Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.

Recommended monitoring	: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.
Procedures	
Engineering measures	: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limit.
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Personal Protection	
Eyes	: Safety glasses.
Skin	: Lab coat.
Respiratory	: A respirator is not needed under normal and intended conditions of products use.
Hand	: Natural rubber (latex).
Personal protective equipments (pictograms)	:   
HMIS Code/Personal protective equipment	: B
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and chemical properties

Physical state	: Liquid.
Flash point	: Open cup: 220 to 221° C (395.6 to 429.8° F) [Cleveland]
Color	: Red.
Odor	: Petroleum.
Relative density	: 0.87 to 0.882 @ 15.6° C
Vapor pressure	: <0.13 kPa (<1 mm Hg)

Solubility : Insoluble in the following materials: cold water and hot water.

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10. Stability and reactivity

Stability : The product is stable.

Hazardous polymerization : Under normal conditions of storage and use, hazardous polymerization will not occur.

Conditions to avoid : No specific data.

Materials to avoid : Reactive or incompatible with the following materials: oxidizing materials.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Acute toxicity

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin : Irritating to skin.

Eyes : Irritating to eyes.

12. Ecological information

Environmental effects : No known significant effects or critical hazards.

13. Disposal considerations

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14. Transport information

AERG : Not applicable.

Regulatory information

DOT/IMGA/IATA : Not regulated.



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15. Regulatory information

United States

HCS Classification

: Irritating material

U.S. Federal regulations

: TSCA 8(a) PAIR: Zinc Alkyldithiophosphate
 United States inventory (TSCA 8b): All components are list or exempted.
 TSCA 8(d) H and S data reporting: Zinc Alkyldithiophosphate: 2006
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: No products were found.
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.
Clean Water Act (CWA) 307: Zinc Alkyldithiophosphate
Clean Water Act (CWA) 311: No products were found.
Clean Air Act (CAA) 112 accidental release prevention: No products were found.
Clean Air Act (CAA) 112 regulated flammable substances: No products were found.
Clean Air Act (CAA) 112 regulated toxic substances: No product were found.

State regulations

: Pennsylvania RTK Hazardous Substances: None of the components are listed.

16. Other information

Label requirements

: CAUSES EYE AND SKIN IRRITATION

Hazardous Material Information System

Health	1
Fire hazard	1
Physical hazard	0
Personal protection	B

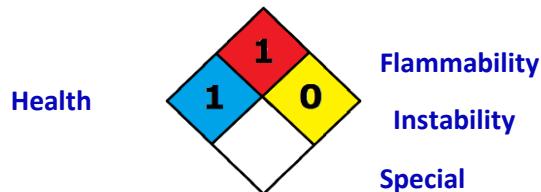
HAZARD RATINGS

- 4 - Extreme
- 3 - Serious
- 2 - Moderate
- 1 - Slight
- 0 - Minimal

See section 8 for more detailed information on personal protection.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)



Notice to reader

To be best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the

**information contained herein. Final determination of suitability of any material is the sole responsibility of the user.
All materials may present unknown hazards and should be used with caution. Although certain hazards are
described herein, we cannot guarantee that these are the only hazards that exist.**

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