

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: ECOSE® Premium Red HT Grease No. 1

Other means of identification: Industrial Grease

SDS Number: 544011

CAS Number: Blend

CHEMTREC: 1-800-424-9300 (For emergencies)

Supplier:

Nu-Tier Brands, Inc.

8282 S. Memorial Dr., Suite 302

Tulsa, OK 74133

1-877-771-5823 (For Product Information)

www.nu-tierbrands.com

2. HAZARDS IDENTIFICATION

Classified Hazards

GHS Phrases:

H319 – Causes serious eye irritation

GHS Precautionary Statements:

P273 – Avoid release to the environment

P302+352 – IF ON SKIN: Wash with soap and water

P305+351+338 – IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

This product contains hazardous material as defined by the OSHA Hazard Communication Standard CFR 1910.1200.

Label Elements



GHS Signal Word: WARNING

GHS Classifications:

Health, Serious Eye Damage/Eye Irritation, 2 A

Environmental, slightly hazardous for water

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS	Concentration
Zinc Dialkylthiophosphate	68457-79-4	1-<2.5%

The highly refined mineral oil contains <3% (w/w) DMSO-extract, according to IP346.

4. FIRST AID MEASURES

INHALATION FIRST AID: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention. In case of unconsciousness place patient stably in side position for transportation.

SKIN CONTACT FIRST AID: Wash with soap and water. Remove contaminated clothing and wash before reuse. Generally the product does not irritate the skin. Get medical attention if needed.

EYE CONTACT FIRST AID: Flush with water for several minutes. If effects occur, consult a physician.

INGESTION FIRST AID: Rinse mouth with water. If symptoms develop, obtain medical attention.

5. FIREFIGHTING MEASURES

NFPA 704 Hazard Class

Health: 1

Flammability: 1

Instability: 0



0 (Minimal)

1 (Slight)

2 (Moderate)

3 (Serious)

4 (Severe)

Flash Point Minimum 460°F / 238°C

Extinguishing Media: Dry chemical, carbon dioxide, foam, or water spray is recommended. Water or foam may cause frothing

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of materials heated above 212°F/100°C. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

Specific hazards arising from the chemical:

Unusual Fire & Explosion Hazards: This material may burn, but will not ignite readily. If container is not properly cooled, it can rupture in the heat of a fire.

Hazardous Combustion Products: Combustion may yield smoke, carbon monoxide, and other products of incomplete combustion. Oxides of sulfur, nitrogen or phosphorus may also be formed.

Special protective actions for firefighters: For fires beyond the initial stage, emergency responders in the immediate hazard area should wear protective clothing. When the potential chemical hazard is unknown, in enclosed or confined spaces, a self contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8).

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Cool equipment exposed to fire with water, if it can be done safely. Avoid spreading burning liquid with water used for cooling purposes.

See Section 9 for Flammable Property Including Flash Point

6. ACCIDENTAL RELEASE MEASURES

Contain spilled material.
Collect in suitable and properly labeled containers.
Pick up excess with inert absorbent material.
Keep away from drains and ground water.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS:

Avoid contact with eyes, skin, or clothing.
Keep away from sources of ignition.
Handle with care and avoid spillage on the floor (slippage).

STORAGE REQUIREMENTS:

Keep away from sources of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

PERSONAL PROTECTIVE EQUIPMENT:

Use of impermeable and resistant gloves are recommended.

GENERAL PROTECTIVE AND HYGIENIC MEASURES:

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with eyes and skin.

BREATHING EQUIPMENT:

Not required.



Chemical Name	ACGIH	OSHA	Other
Distillates, petroleum, solvent-dewaxed heavy paraffinic (50-100%)	TLV: Long-term value: 5mg/m ³	PEL: Long-term value: 5mg/m ³	
Residual oils, petroleum, solvent-refined (25-50%)		PEL: Long-term value: 5mg/m ³	
Calcium carbonate, precipitated (2.5-<10%)	TLV: Withdrawn	PEL: Long-term value: 15* 5** mg/m ³ *total dust ** respirable fraction REL: Long-term value: 10* 5** mg/m ³ *total dust ** respirable fraction	

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9. PHYSICAL AND CHEMICAL PROPERTIES

Note: Data represents typical values and are not intended to be specifications.

Appearance:	Red
Physical State:	Semi-Solid
Odor:	Petroleum-like
Melting Point:	Not determined
Boiling Point:	338°C (640°F)
Ignition Temp:	>315°C (>599°F)
Auto igniting:	Product is not self-igniting
Danger of explosion:	Product does not present an explosion hazard
Density @ 20°C (68°F):	0.96694 g/cm ³ (8.069 lbs/gal)
Solubility in water:	Insoluble
Viscosity:	Dynamic-Not determined; Kinematic-Not determined
Flash Point:	471°F / 244°C
Solids content:	11.4%
Other information:	No further relevant information available

10. STABILITY AND REACTIVITY

REACTIVITY: Not chemically reactive.

CHEMICAL STABILITY: Stable under normal ambient and anticipated conditions of use.

POSSIBILITY OF HAZARDOUS REACTIONS: Hazardous reactions not anticipated.

CONDITIONS TO AVOID: No further relevant information available.

THERMAL DECOMPOSITION/CONDITIONS TO BE AVOIDED: No decomposition if used according to specifications.

INCOMPATIBLE MATERIALS: No further relevant information available.

HAZARDOUS DECOMPOSITION PRODUCTS: Not anticipated under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS:

Acute Toxicity:

- LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimates)

Oral	LD50	7487 mg/kg (rat)
Dermal	LD50	162272 mg/kg (rabbit)

- Primary irritant effect:

On the skin: No irritant effect

On the eye: Irritating effect

Sensitization: No sensitizing effects known

- Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

- Carcinogenic categories:

IARC (International Agency for Research on Cancer

9002-88-4 High Density Polyethylene Polymer 3

NTP (National Toxicology Program)

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12. ECOLOGICAL INFORMATION

Avoid exposing to the environment, no specific aquatic data available.
 Water hazard class 1 (Self-assessment): slightly hazardous for water
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.
 Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

14. TRANSPORTATION INFORMATION

Not regulated by DOT

15. REGULATORY INFORMATION

Safety, health and environment regulations/legislation specific for the substance or mixture
SARA

Section 355 (Extremely hazardous substances):

None of the ingredients is listed

Section 313 (Specific toxic chemical listings):

68457-79-4	Zinc Dialkylthiophosphate	1 -<2.5%
108-31-6	Maleic anhydride	<0.1%

TSCA (Toxic Substances Control Act):

All ingredients are listed.

Proposition 65:

Chemicals known to cause cancer:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

Carcinogenic categories

EPA (Environmental Protection Agency)

None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)

108-31-6	maleic anhydride	A4
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NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

16. OTHER INFORMATION

The data in this Material Safety Data Sheet relates only to the specific material designated herein.

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Nu-Tier Brands, Inc.. The data on this sheet are related only to the specific material designated herein. Nu-Tier Brands, Inc. assumes no legal responsibility for use or reliance upon these data.

END OF MSDS