Anti-Rust EP

SDS - Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: ECOSE® Anti-Rust EP
Other means of identification: Rust Inhibitor
SDS Number: 535381
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:	GHS Precautionary Statements:
H302 – Harmful if swallowed	P301+P310 – IF SWALLOWED: Immediately call a POISON CENTER or physician.
H373 – May cause damage to organs through Prolonged or repeated exposure.	P260 – Do not breathe dust/fume/gas/mist/vapors/spray.
H315 – Causes skin irritation	P302+352 – IF ON SKIN: Wash with soap and water
H320 – Causes eye irritation	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: DANGER – MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS
MAY CAUSE DROWSINESS OR DIZZINESS
GHS Classifications:
Health, Aspiration Hazard, 1
Health, Skin corrosion/irritation, 2
Specific Target Organ Toxicity-Single Exposure, 3

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS	Concentration
Hydrotreated distillate, middle	64742-46-7	0-95%
Distillates (petroleum), hydrotreated light	64742-47-8	0-95%
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	0-95%
Additives	Proprietary	<10%

4. FIRST AID MEASURES

INHALATION FIRST AID: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.
SKIN CONTACT FIRST AID: Wash with soap and water. Remove contaminated clothing and wash before reuse. 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.

SYMPTOMS (Acute and Delayed): Exposure to high concentrations of vapors may cause irritation to the eyes, nose and throat, nausea and dizziness.

NOTES TO PHYSICIAN: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. FIREFIGHTING MEASURES

NFPA 704 Hazard Class

Health: 1 **Flammability**: 2 **Instability**: 0

0 (Minimal)
1 (Slight)
2 (Moderate)
3 (Serious)
4 (Severe)

Flash Point Minimum: 72°C (160°F)
Flash Point Method: COC
Autoignition Temp: N/A

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

DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of. Wash hands thoroughly after handling.

HANDLING (PHYSICAL ASPECTS):

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. Remove contaminated clothing and protective equipment before

entering eating areas. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Use non-sparking tools.

STORAGE PRECAUTIONS:
Store in accordance with local regulations. Store in a segregated and approved area. Keep in the original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials. Do not store in unlabeled containers. Store and use away from heat, sparks, open flame or any other ignition source. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers that retain product residue may be hazardous.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:
This product is a static accumulating liquid. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Material should be handled in enclosed vessels and equipment. Use only in adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

PERSONAL PROTECTIVE EQUIPMENT:
Use of safety glasses and gloves are recommended.

RESPIRATORY PROTECTION REQUIREMENTS:
Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicated this is necessary. Respirator selection must be based on known or anticipated exposure levels.

GENERAL COMMENTS:
Always observe good personal hygiene practices. Wash hands and other exposed skin areas with plenty of mild soap and water before eating, drinking, smoking, etc.

Chemical Name	ACGIH	OSHA	NIOSH
Oil Mist, Mineral	TWA: 5mg/m^3 STEL: 10mg/m^3 As Oil Mist, if Generated	TWA: 5mg/m^3 As Oil Mist, if Generated	TWA: 5mg/m^3 STEL: 10mg/m^3 As Oil Mist, if Generated
Distillates, petroleum, hydrotreated light	TWA: 200mg/m^3 As Oil Mist, if Generated	(Z-1) TWA: 2000mg/m^3 (PO) TWA: 1600mg/m^3 As Oil Mist, if Generated	
Solvent naphtha petroleum, medium aliphatic	TWA: 200mg/m^3 As Oil Mist, if Generated	(Z-1) TWA: 2000mg/m^3 (PO) TWA: 400mg/m^3 As Oil Mist, if Generated	

9. PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance:	Dark Amber	Melting/Freezing Point:	Not available
Physical State:	Liquid	Evaporation Rate:	Not available
Odor:	Petroleum Solvent	Solubility:	Nil in water
Initial Boiling Point:	Not available	Vapor Pressure:	0 @ 20°C
Boiling Range:	Not available	Vapor Density:	Not available
Viscosity:	2 – 3.5 cSt @40°C	Decomposition Temp:	Not available
Flash Point by COC:	>140°F	Density:	6.87 lbs/gal (Approximately)

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: Avoid all possible sources of ignition. Extended exposure to high temperatures can cause decomposition.

INCOMPATIBLE MATERIALS: Avoid contact with strong oxidizing agents and strong reducing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Not anticipated under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

ACUTE EXPOSURE

RESPIRATORY IRRITATION:
An inhalation hazard may only arise if product is used in aerosol conditions or if heated up. If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and upper respiratory tract.

EYE IRRITATION:
Causes mild eye irritation that is reversible with proper care.

SKIN IRRITATION:
Causes mild skin irritation that is reversible with proper care.

SENSITIZATION:
Not expected to cause skin or respiratory sensitization.

ASPIRATION HAZARD:
If swallowed can be aspirated into lungs and cause chemical pneumonia, varying degrees of pulmonary injury or death. If swallowed, do NOT induce vomiting.

CHRONIC EXPOSURE

TARGET ORGAN EFFECTS:
Vapor/aerosol concentrations above recommended exposure levels are irritating to the eyes and respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects including death.

Prolonged or repeated direct exposure to the skin results in symptoms of irritation and redness, dermatitis or oil acne.

CARCINOGENICITY:
No data available to indicate product or any components present at greater than .1% are carcinogenic.

MUTAGENICITY:
No data available to indicate product or any components present at greater than .1% are mutagenic or genotoxic.

REPRODUCTIVE TOXICITY:
No data available to indicate either product or components present at greater than .1% that may cause reproductive toxicity.

TERATOGENICITY:
No data available to indicate product or any components contained at greater than .1% may cause birth defects.

ANALYSIS – LD50 / LC50

Inhalation LC50 Rat	4.6-7.64 mg/L (4HR) Aerosolized
Oral LD50 Rat	>5000 mg/kg
Dermal LD50 Rabbit	>2000 mg/kg

12. ECOLOGICAL INFORMATION

COMPONENT ANALYSIS- ECOTOXICITY – AQUATIC LIFE:

Duration/Test/Species	Concentration/Conditions
96 Hr LL50; WAF	3.2-65 mg/L
Aquatic Vertebrates	
7 Day EL50; WAF	2.0-210 mg/L
Daphnia magna	
21 Day EL-50	>0.5 mg/L
Daphnia magna	

PERSISTENCE & DEGRADABILITY	Readily Degraded
BIOACCUMULATION POTENTIAL	Not Available
SOIL MOBILITY	Not Available
OTHER ADVERSE EFFECTS	Not Available

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.
Do not flush to surface water or drains.

14. TRANSPORTATION INFORMATION

D.O.T SHIPPING:
Not Regulated

D.O.T BULK SHIPPING:
UN 1268

Petroleum Distillates, n.o.s.
Bulk shipments of this product are regulated.(Distillates(petroleum), hydrotreated light)
Hazard Class; Combustible Liquid
Packing Group; III

IMDG:
UN 3082
Environmentally Hazardous Substance, Liquid, N.O.S. (Distillates (petroleum), hydrotreated light)
Hazard Class; 9
Packing Group; III

IATA:
UN 3082
Environmentally Hazardous Substance, Liquid, N.O.S. (Distillates (petroleum), hydrotreated light)
Hazard Class; 9
Packing Group; III

15. REGULATORY INFORMATION

SARA 302/304 Extremely Hazardous Substances Reportable Quantity:
This product does not contain greater than 1% of any "extremely hazardous substances" listed pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or Section 304 as identified in 40 CFR Part 355, Appendix A and B.

SARA 311/312 HAZARDS:

Acute Hazard	Yes
Chronic Hazard	No
Fire Hazard	No
Reactivity Hazard	No

SARA 313:
This product does not contain greater than 1.0% of the substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

CERCLA Reportable Quantity
This product contains the following components listed under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4.

US STATE REGULATIONS:
California Prop 65
This product is not routinely tested to determine chemical(s) known to the state of California to cause cancer and/or birth defects based on maximum impurity levels of components.

16. OTHER INFORMATION

The data in this 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 SDS