

SDS - Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: ECOSE® Rust-Free WB
Other means of identification: Rust Inhibitor
SDS Number: 535375
CAS Number: Blend
CHEMTREC: EMERGENCY CONTACT 1-800-424-9300

Supplier:
 Nu-Tier Brands, Inc., Tulsa, OK
 Under License from Gulf Oil LP
 TECHNICAL CONTACT NUMBER: 918-550-8026, Ext. 507
 www.gulflubricants.net

2. HAZARDS IDENTIFICATION

OSHA/HCS STATUS:

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

CLASSIFICATION(S):

Skin Irritation Category 2
 Specific Target Organ Toxicity-Single Exposure Category 3
 Serious Eye Damage/Eye Irritation Category 2B
 Flammable Liquid Category 3

SIGNAL WORD:

Warning

SYMBOL(S):

HAZARD STATEMENT(S):

May be fatal if swallowed and enters airways
 Causes eye irritation.
 Causes skin Irritation.
 May cause drowsiness or dizziness.
 Combustible Liquid.



Hazard Rating		
	HMIS	NFPA
Health	1	1
Flammability	2	2
Reactivity	0	0
Personal Protection	B	--

PRECAUTIONARY STATEMENT(S):

GENERAL PRECAUTIONARY STATEMENT(S):

Keep out of reach of children.
 Read label before use.
 If medical advice is needed, have product container or label at hand.

PREVENTION PRECAUTIONARY STATEMENT(S):

Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
 Avoid breathing dust/fume/gas/mist/vapors/spray.
 Wash hands thoroughly after handling.
 Use only outdoors or in a well-ventilated area.
 Wear protective gloves/protective clothing/eye protection/face protection.

RESPONSE PRECAUTIONARY STATEMENT(S):

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 Do NOT induce vomiting.
 IF ON SKIN: wash with plenty of soap and water.
 Specific treatment (see SECTION 4 on the Safety Data Sheet).
 IF SKIN irritation occurs: Get medical advice/attention.
 Take off contaminated clothing and wash before reuse.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 IF eye irritation persists: Get medical advice/attention.

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In case of fire: Use dry chemical, CO₂, water spray (FOG) or alcohol resistant foam for extinction.
 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
 Call a POISON CENTER or doctor/physician if you feel unwell.

STORAGE PRECAUTIONARY STATEMENT(S):

Store Locked up
 Store in a well-ventilated place.
 Keep container tightly closed.
 Keep cool.

DISPOSAL PRECAUTIONARY STATEMENT(S):

Dispose of contents/containers should be cleaned of residual product before disposal, and disposed of in accordance with all applicable laws and regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	Amount %
Hydrotreated distillate, middle	64742-46-7	0 - 50
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	0 - 50
Additives	Proprietary	>50

Any concentration shown as a range is to protect the confidentiality of formulation which is considered a trade secret.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

SKIN CONTACT FIRST AID:

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

INHALATION FIRST AID:

Move exposed person to fresh air. Get medical advice if needed.

INGESTION FIRST AID:

DO NOT INDUCE VOMITING. If conscious, rinse out mouth with water.

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)

FLAMMABLE PROPERTIES

COC Flash Point: 60 °C
 Autoignition Temperature: N/A

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FLAMMABLE LIMITS IN AIR

LEL: N/A

UEL: N/A

SUITABLE EXTINGUISHING MEDIA:

Use dry chemical, CO₂, water spray (FOG) or alcohol resistant foam. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the fire. Do not direct a water stream directly into the hot burning liquid.

UNSUITABLE EXTINGUISHING MEDIA:

Avoid solid water stream as it may scatter and spread fire.

SPECIFIC HAZARDS ARISING FROM CHEMICAL:

Elevated temperatures can lead to the formation of irritating vapors. Decomposing products may include the following materials: Carbon dioxide, Carbon monoxide, Sulfur compounds, Hydrocarbons.

Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back. Empty containers that retain product residue (liquid, solid/sludge, or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury or death.

FIRE FIGHTING INSTRUCTIONS:

Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Use appropriate methods for the surrounding fire.

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. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

ENVIRONMENTAL PRECAUTIONS

Prevent product from entering drains. Prevent entry into waterways, sewers, basements or confined areas.

METHODS FOR CONTAINMENT

Stop leak if without risk. Use absorbent pads or earthen dams to contain.

METHODS FOR CLEANUP

A vapor suppressing foam may be used to reduce vapors. Cover liquid spill with sand, earth or other noncombustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled container.

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.

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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

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	

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).

EYE / FACE PROTECTION REQUIREMENTS:

Chemical goggles and/or face shield are recommended.

SKIN PROTECTION REQUIREMENTS:

Chemical resistant, impervious gloves complying with an approved standard should be worn at all times. Coveralls, apron, and boots as necessary to minimize contact.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid	Evaporation Rate:	Not available
Odor:	Petroleum Solvent	Water Soluble:	No
Color:	Dark Red	Decomposition Temperature:	Not available
Initial Boiling Point:	Not available	Specific Gravity:	.8520
Boiling Range:	Not available	Density:	7.10 / lb
Vapor Pressure:	Not available	Flash Point:	177°F
Vapor Density:	>1 (Air = 1)	Volatiles % wt:	< 50
Melting/Freezing Point:	Not available	Viscosity @ 40°C:	>50 cSt

10. STABILITY AND REACTIVITY

STABILITY:

Stable under normal conditions.

POLYMERIZATION:

Hazardous polymerization will not occur.

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INCOMPATIBILITY WITH OTHER MATERIALS:

Strong oxidizing materials

DECOMPOSITION:

Under normal conditions of use & storage, decomposition and hazardous decomposition products are unlikely.

CONDITIONS TO AVOID:

High temperatures, flames, sparks.

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



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

13. DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized wherever possible. Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

14. TRANSPORTATION INFORMATION

PRODUCT LABEL: ECOSE® Rust-Free WB

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

REGULATORY LISTS SEARCHED:
01 = CANADIAN DISCLOSURE LIST 02 = CERCLA Hazardous Substances
03 = TITLE V OF THE CLEAN AIR ACT 04 = SC Toxic Air Pollutants List
05 = SARA TITLE III - SECTION 313 06 = SARA Title III - Section 312
07 = CA PROPOSITION 65 08 = RCRA Hazardous Substances

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.



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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.

The components of this product are reported in the following inventories:

US TSCA: Present
EU: Present
Japan: Not available
Australia: Present
New Zealand: Present
Canada: Present
Switzerland: Not available
Korea: Present
Philippines: Not available
China: Present
Taiwan: Not available

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