



# SM 500 Gear Oil

## SDS - Safety Data Sheet

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** ECOSE® SM 500  
**Other means of identification:** Gear/Bearing Oil  
**SDS Number:** 530010  
**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**

**Hazard Statements:**  
 Harmful to aquatic life.  
 May cause long lasting harmful effects to aquatic life.

**GHS Precautionary Statements:**  
 P101: If medical advice is needed have product container or label on hand  
 P102: Keep out of reach of children  
 P103: Read label before use  
 P210: Keep away from heat, hot surfaces, sparks, open flames and other Ignition sources. No smoking.  
 P211: Do not spray on an open flame or other ignition source  
 P232: Protect from moisture  
 P233: Keep container tightly closed  
 P273: Avoid release to the environment  
 P280: Wear protective gloves/protective clothing/eye protection/face protection  
 P404: Store in a closed container

**Label Elements**

GHS Signal Word:  
 None  
 GHS Classifications:  
 Aquatic Hazard – Acute: Category 3  
 Aquatic Hazard – Long-term: Category 4

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS	Concentration
Mixture, lubricating oil	Not applicable	Not applicable

Any concentration shown as a range is to protect confidentiality or is due to process variation.  
 There are no 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.  
 Occupational exposure limits, if available, are listed in Section 8.

### 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.

### 5. FIREFIGHTING MEASURES

**NFPA 704 Hazard Class**

Health: 0      Flammability: 1      Instability: 0



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

**Flash Point Minimum:** 93°C (199°F)  
**Flash Point Method:** COC

**Fire Hazard:** No  
**Flash Point °C (°F):** >93.0°C (199.4°F)  
**Flammable Limits:** LOWER: Not determined UPPER: Not determined  
**Extinguishing Media:** Water Mist  
 Foam  
 Dry Powder  
 CO2

**Special protective equipment and firefighting procedures:** Not determined  
**Unusual Fire & Explosion:** Not determined

### 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:**

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and prompt removal of material from eyes, skin and clothing.

**STORAGE REQUIREMENTS:**

Store in a sealed container in a cool, dry environment.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Limits:** None identified

**OSHA Permissible**

**Exposure Limits (PELs):** 5 mg/m<sup>3</sup>

**Threshold Limit Values**

**(TLVs):** 10 mg/m<sup>3</sup>

**ENGINEERING CONTROLS:**

If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits, additional engineering controls may be required.

**PERSONAL PROTECTIVE EQUIPMENT:**

**Face:** The use of face protection is not normally required; however, good industrial hygiene practice suggests the use of eye protection that meets or exceeds ANSI Z.87.1 whenever working with chemicals.

**Eyes:** Safety Glasses

**Skin:** The use of gloves impervious to the specific material handled is advised to prevent skin contact. Users should check with manufacturers to confirm the breakthrough performance of their products. Suggested protective materials: Nitrile.

**Respiratory:** Where there is potential for airborne exposure above the exposure limit a NIOSH certified air purifying respirator equipped with R or P95 filters may be used. A respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed whenever workplace conditions warrant a respirator.

**Pictograms:**



Suggestions provided in this section for exposure control and specific types of protective equipment are based on readily available information. Users should consult with the specific manufacturer to confirm the performance of their protective equipment. Specific situations may require consultation with industrial hygiene, safety, or engineering professionals.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Colorless viscous liquid	<b>Upper Flammability/Explosive Limit:</b>	Not determined
<b>Odor:</b>	Slight Petroleum	<b>Lower Flammability/Explosive Limit:</b>	Not determined
<b>Odor Threshold:</b>	Not determined	<b>Vapor Pressure:</b>	Not determined
<b>pH:</b>	Not determined	<b>Vapor Density:</b>	Not determined
<b>Melting Point °C(°F):</b>	Not determined	<b>Vapor Temperature °C (°F):</b>	Not determined
<b>Freezing Point °C(°F):</b>	Not determined	<b>Relative Density/Specific Gravity:</b>	0.9100
<b>Pour Point °C(°F):</b>	7.0° (44.6°)	<b>Solubility:</b>	Not water soluble
<b>Boiling Range:</b>	N/A	<b>Partition Coefficient:</b>	Not determined
<b>Flash Point °C(°F):</b>	>93.0° (199.4°)	<b>Auto-ignition temperature:</b>	Not determined
<b>Flash Point Method:</b>	ASTM D92	<b>Decomposition temperature:</b>	Not determined
<b>Evaporation Rate:</b>	Not determined	<b>Viscosity (cSt):</b>	16,100.00 @ 40°C
<b>Flammability:</b>	None	<b>VOC Content:</b>	N/A
		<b>VOC Less Water &amp; Exempts:</b>	N/A

## 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

Repeated skin contact with this product may cause dermatitis or an oil acne.

No test data available on product.

No component is listed as a carcinogen, mutagen, or teratogen.

LD50/LC50 – No data available.

## 12. ECOLOGICAL INFORMATION

Avoid exposing to the environment, no specific aquatic data available.



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### 13. DISPOSAL CONSIDERATIONS

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

### 14. TRANSPORTATION INFORMATION

UN Number:  
Proper Shipping Name: ECOSE SM 500

### 15. REGULATORY INFORMATION

OSHA Regulated Hazard:	No
DOT Regulated:	No
E C Classification:	Non-applicable
TSCA Status:	In compliance with TSCA inventory requirements for commercial purposes
SARA 312 Regulated Chemical(s):	No
SARA 313 Regulated Chemical(s):	No
EPA Registration Number:	Non-applicable
California Prop. 65:	None                      None
PA Right to know Chemical(s):	None known
NJ Right to know Chemical(s):	None known
Additional State Regulations:	None known
Canada:	Non-applicable

### 16. OTHER INFORMATION

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

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END OF SDS