



MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT INFORMATION—COMPANY IDENTIFICATION

IDENTITY: **MANUAL GEAR & DIFFERENTIAL ENHANCER**

TDG Classification: Not regulated
Product use: Coolant and lubricant
Manufacturer: Eco Global Solutions, Inc.
Address: 2850 Red Hill Avenue Suite 210
Santa Ana, CA 92705
Telephone: (949) 955-1039 Fax (949) 748-5177
Emergency: **24 Hours: Chemtrec: (800) 424-9300**
Supplier / Exporter: EGS, Inc.
TDG Classification: Not regulated
WHMIS Classification: Not controlled
DSL Status: Not Available

SECTION 2 HAZARDOUS IDENTIFICATION (Composition/Information on Ingredients)

Ingredients: Proprietary extreme pressure and friction reducing lubrication oil additive that is synthetic, non-toxic, non-flammable, non-hazardous, and non-corrosive.

SECTION 3 PHYSICAL DATA

Physical State: Liquid
Appearance & Odor: Neutral odor, clear yellow to golden brown color
Odor threshold (PPM): Not applicable
Density: ~ 1.27
Vapor pressure (kPa): <0.01
Vapor density (air=1): >1.0
Volatiles (%) by volume: Not available
Evaporation rate (butyl acetate=1): Not available
Boiling point (°C): > 850°F (> ~450°C)
Freezing point (°C): > -20°F (> ~-29.8°C)
pH: Neutral (~ pH 7.0)
Specific gravity @ 15°C: 1.27
Solubility in water: Insoluble
Coefficient of water/oil dist: Not available
VOC: Not available
OAR Value: UN
Oxidizing properties: None

This product contains no hazardous substance within the definition of OSHA Regulation 29 CFR 1910.1200/21 CFR 178.3570.



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SECTION 4 FIRE & EXPLOSION DATA

Flammability:	Not flammable as per WHMIS
Conditions of flammability:	At or above flash point temperature if an ignition source is present
Extinguishing media:	Carbon dioxide, dry chemical, foam. Water spray may be ineffective
Hazardous exposure:	Carbon monoxide and asphyxiants
Special procedures:	Firefighters should wear the usual protective gear. Wear self-contained breathing apparatus.
Auto-ignition temperature:	Not applicable
Flash point (°C) method:	>450 °F (> ~230°C)
Lower flammability limit (% Vol.):	Not available
Upper flammability limit (% Vol.):	Not available

EXPLOSION DATA

Sensitivity to static discharge:	Not available
Sensitivity to mechanical impact:	Not available
Hazardous combustion products:	Oxides of carbon (CO, CO ₂)
Explosive power:	Not applicable

SECTION 5 REACTIVITY DATA

Chemical stability:	Stable under normal conditions
Reactivity:	Minor
Conditions of reactivity:	None known
Hazardous polymerization:	Will not occur
Decomposition:	Carbon dioxide and carbon monoxide

INCOMPATIBILITY WITH OTHER SUBSTANCES

Incompatible substances:	Strong inorganic or organic acids or oxidizing agents.
Hazardous decomposition products:	See hazardous combustion products in section 4

SECTION 6 TOXICOLOGICAL INFORMATION

Route of entry:	Skin contact, eye contact, inhalation and ingestion
Eye contact:	No hazard known—slight irritation
Skin contact:	No hazard known—very mild
Inhalation:	No hazard known—few vapors
Ingestion:	No hazard known—may cause intestinal irritation
Effects of chronic exposure:	None known
LD50 of product, species & route:	5mg/m ³ oil mist



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SECTION 6 TOXICOLOGICAL INFORMATION

Sensitization of product:	None known
Carcinogenic effects:	None known
Reproductive effects:	None known
Teratogenicity:	None known
Mutagenicity:	None known
Synergistic materials:	None known

SECTION 7 PREVENTATIVE MEASURES

PRECAUTIONARY MEASURES /HEALTH HAZARD DATA

Gloves/type:	None required under normal use
Respiratory/type:	None required under normal use
Eye/type:	None required under normal use
Footwear/type:	None required under normal use
Clothing/type:	Work clothes
Other/type:	Eye wash facility should be in close proximity. Launder contaminated clothing before re-using.
Ventilation requirements:	General ventilation
Environmental precautions:	None required under normal use
Container disposal:	Container may have residual material, dispose according to local, state and federal laws.
Leak/Spill:	Use soil or other absorbing material
Waste disposal:	In accordance with municipal, provincial and federal regulations.
Handling procedures & equipment:	Maintain good personal hygiene. Avoid breathing vapors/mists. Use adequate ventilation. Avoid prolonged skin and eye contact. Wash clothing before re-use.
Storage requirements:	Store in closed containers of proper construction. Store away from ignition sources and in areas of good ventilation.
Special shipping info:	DOT: non hazardous—not regulated

SECTION 8 FIRST AID MEASURES

Skin contact:	Wash area with mild soap and water. Get medical attention if irritation develops.
Eye contact:	Flush eyes with clear, running water for at least 15 minutes. Get medical attention if irritation develops or persists.
Inhalation:	No specific treatment. This material is not likely to be hazardous by inhalation.
Ingestion:	If swallowed, induce vomiting as directed by medical personnel



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SECTION 9 TRANSPORTATION INFORMATION

DOT shipping name:	TerraCation Synthetic Manual Transmission/Differential Additive
DOT hazard class/description:	Not applicable
DOT label:	Not applicable
DOT product RQ:	Not applicable
IMO classification:	Not applicable

SECTION 10 ADDITIONAL INFORMATION

Use:	Automotive Lubricant (additive)
Specific gravity (example):	
Bottle:	Specific gravity = 1.27 @ 15°C, 8oz, ~0.237 liter (237ml), ~0.300kg (300g)
Pail:	Specific gravity = 1.27 @ 15°C, 5 gallon, ~ 18.93 liter, ~24kg
Drum	Specific gravity = 1.27 @ 15°C, 55 gallon, ~208.2 liter, 264kg

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Prepared by: Eco Global Solutions, Inc. & its affiliate companies
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