

## EGS DFL Aqueous



**Product Code**  
EGS39146

**MSDS Date**  
08/31/2009

### 1. Identification of the preparation and company

<b>Preparation/Product Name</b>	EGS DFL Aqueous
<b>Product Code</b>	EGS39146
<b>Company Name</b>	Eco Global Solutions 4500 Campus Drive, Suite #208 Newport Beach, CA 92660
<b>Telephone No.</b>	(949) 955-1039
<b>24 hour Emergency Telephone No.</b>	(800) 424-9300
<b>General MSDS</b>	(949) 955-1039

### 2. Hazard identification of the product

#### GHS Classification:

Item	Category	Hazard
Flammability	Not classified	Not applicable
Acute Toxicity (mouth)	Not classified	Not applicable
Acute Toxicity (skin)	Not classified	Not applicable
Acute Toxicity (inhalation)	Not classified	Not applicable
Acute Toxicity (ingestion)	Not classified	Not applicable
Skin corrosion/irritation	Not classified	Not applicable
Eye damage/irritation	Not classified	Not applicable
Sensitization (respiratory)	Not classified	Not applicable

Sensitization (skin)	Not classified	Not applicable
Germ toxicity	Not classified	Not applicable
Specific target organ systemic toxicity (single exposure)	1	No target organs for this category.
	2	No target organs for this category.
	3	No target organs for this category.
Specific target organ systemic Toxicity (repeated exposure)	1	No target organs for this category.
	2	cardiovascular system, liver
Aspiration hazard	Not classified	Not applicable
Harmfulness to aquatic Environment (acute)	Not classified	Not applicable
Harmfulness to aquatic Environment (long term effect)	Not classified	Not applicable
Carcinogenicity	Not classified	Not applicable
Reproductive Toxicity	Not classified	Not applicable
Organic Peroxide	Not classified	Not applicable

### Safety Phrases:

## 3. Composition/information on ingredients

**Mixture :** Yes

Ingredient	CAS Number	Concentration
Ethylene oxide-Nonylphenol polymer	009016-45-9	<3
Extreme pressure & friction reducing additive	Proprietary or N/A	<20
Lard, oil, methyl esters	068082-78-0	<10
Molybdenum Polysulphide Long Chain Alkyl Dithiocarbamide Complex	Proprietary or N/A	<3
Petroleum distillates, hydrotreated light naphthenic	064742-53-6	<60
Synthetic alky aryls	068855-24-3	<3
Synthetic sulfonated hydrocarbon	078330-12-8	<5

Contains no other ingredients now known to be hazardous as defined by OSHA 29 CFR 1910.1000(z)

## 4. First aid measures

<b>Inhalation</b>	Remove exposed person to fresh air. If breathing is labored, administer oxygen and obtain immediate medical attention. If irritation persists or if toxic symptoms are observed, get medical attention.
<b>Eye Contact</b>	Flush with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
<b>Skin Contact</b>	Wash immediately with soap and water. Remove soiled clothing. Get medical attention if irritation develops. Launder contaminated clothing.
<b>Ingestion</b>	DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate medical attention.

## 5. Fire-fighting measures

**Flash Point °C** 160

Slightly Combustible. May release flammable vapors when heated above flash point.

<b>Extinguishing Media</b>	Carbon Dioxide, dry chemical, or foam. Avoid using water.
<b>Combustion Products</b>	Carbon monoxide and asphyxiants.
<b>Special Fire Procedures</b>	Recommend SCBA. Use water only for cooling container. Water may cause splattering, or transport the flame.

## 6. Accidental release measures

Evacuate all non-essential personnel. Personal Protective Equipment must be worn, see PPE section 8 & 16. Remove sources of ignition. Prevent entry into sewers and waterways. Contain release, pick up free liquid for recycling or disposal. Residual liquid can be absorbed with inert material. Check DOT/CERCLA and other agencies for reporting requirements.

Prevent contamination to soil, waterway and sewer systems.

## 7. Handling and storage

<b>Handling</b>	Avoid prolonged skin contact, breathing vapors, and contaminated clothing. Use with adequate ventilation. Wear recommended protective equipment. Practice good personal hygiene after handling. Empty containers retain material residue. Do not cut, weld, braze, solder or expose containers to other ignition sources.
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**Storage** Store in closed containers of proper construction. Store away from ignition sources and in areas of good ventilation.

## 8. Exposure controls and personal protection

**Exposure Limits** The PEL (OSHA) and the TLV (ACGIH) is 5 mg/m<sup>3</sup> for oil mists.

**Ventilation** Use in areas of adequate ventilation. Use mechanical exhaust to control vapors or mists.

**Gloves** Nitrile or neoprene gloves are recommended.

**Eye Protection** Safety glasses, goggles, or face shield are recommended.

**Respiratory Protection** Use NIOSH/MSHA approved respirator with organic vapor cartridge and dust/mist cartridge is recommended if exposure limit is exceeded. Self-contained breathing apparatus is recommended for confined space entry.

**Clothing** Long sleeve shirt and apron when potential for skin contact. Wear neoprene or nitrile rubber boots when necessary to avoid contaminating shoes.

## 9. Physical and chemical properties

<b>Appearance</b>	BLUE OILY LIQUID	<b>Odor</b>	Petroleum Odor
<b>Flash Point °C</b>	>160	<b>Boiling Point °C</b>	N/D
<b>VOC %</b>	NIL	<b>pH</b>	n/d
<b>Specific Gravity</b>	0.953	<b>Solubility in Water</b>	negligible
<b>Vapor Pressure</b>	<0.01 mmHg@20 °C	<b>Vapor Density</b>	Heavier than air.
<b>Evaporation Point</b>	less than ether		
<b>Flammability</b>	Materials classified as DOT Combustible Liquids (Flash Point > 141 °F and < 200 °F) are not regulated by DOT in containers of 110 gallons, or less for domestic shipments.		

## 10. Stability and reactivity

**Stability** Material is normally stable at ambient temperature and pressure.

**Conditions to Avoid** Do not store with strong oxidizing agents. Keep away from heat, sparks, open flame, or all sources of ignition.

**Polymerization** Will not occur.

**Decomposition** Carbon dioxide, carbon monoxide.

## 11. Toxicological information

Ingredient	Oral LD50,	Skin LD50,	Inhalation

	mg/kg	mg/kg	Vapor LD50, mg/L/4hr
Ethylene oxide-Nonylphenol polymer	----	----	----
Extreme pressure & friction reducing additive	----	----	----
Lard, oil, methyl esters	----	----	----
Molybdenum Polysulphide Long Chain Alkyl Dithiocarbamide Complex	----	----	----
Petroleum distillates, hydrotreated light naphthenic	> 5,000, rat - Category: NA	----	----
Synthetic alky aryls	----	----	----
Synthetic sulfonated hydrocarbon	5,600.00, rat - Category: NA	----	> 5, rat - Category: 3

**Oral Toxicity** Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, and abdominal pain.

**Eye Irritation** Not expected to cause eye irritation.

**Skin Irritation** Not expected to be a primary skin irritant. Prolonged or repetitive contact may cause irritation.

### Carcinogenicity

CAS Number	Ingredient		
009016-45-9	Ethylene oxide-Nonylphenol polymer	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
		California OSHA	Listed: No
Proprietary or N/A	Extreme pressure & friction reducing additive	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
		California OSHA	Listed: No
068082-78-0	Lard, oil, methyl esters	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
		California OSHA	Listed: No
Proprietary or N/A	Molybdenum Polysulphide Long Chain Alkyl Dithiocarbamide Complex	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
		California	Listed: No

		OSHA	
064742-53-6	Petroleum distillates, hydrotreated light naphthenic	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
		California OSHA	Listed: No
068855-24-3	Synthetic alky aryls	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
		California OSHA	Listed: No
078330-12-8	Synthetic sulfonated hydrocarbon	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
		California OSHA	Listed: No

## 12. Ecological information

This material is expected to have adverse effects on marine and plant life. Spills may contaminate drinking water.

## 13. Disposal considerations

Consult federal, state and local regulations regarding disposal methods, recycle used oil. Do not contaminate used oil with solvents or other chemicals.

## 14. Transport information

See 49 CFR part 171.8 through 178.510

**Proper Shipping Name** Oil, n.o.s  
**Hazard Class** Not regulated  
**UN No** Not applicable  
**Packaging Group** Not applicable  
**Marine Pollutant** No  
**GHS Hazard Class** Not applicable  
**GHS Shipping Information** Not applicable  
**IMDG** Not Regulated

## 15. Regulatory information

<b>TSCA:</b>	All components of this product are listed on the United States TSCA (Toxic Control Substance Act) Inventory.
<b>RCRA:</b>	Not RCRA regulated
<b>DSL:</b>	All components of this product are listed on the Canadian Domestic Substances List (DSL).
<b>SARA 311/312 (&gt;0.1%):</b>	Not applicable
<b>SARA 313 (&gt;0.1%):</b>	Not applicable
<b>CERCLA (&gt;0.1%):</b>	Not applicable
Triethanolamine	
<b>Inventory - Canada - Non-Domestic Substances List (NDSL):</b>	Not applicable
<b>California Proposition 65 Cancer:</b>	Not applicable
<b>California Proposition 65 Developmental:</b>	Not applicable
Ethyl alcohol (<.0.1 %)	
<b>California Proposition 65 Female Reproductive:</b>	Not applicable
<b>California Proposition 65 Male Reproductive:</b>	Not applicable
<b>Inventory - Australia - Inventory of Chemical Substances (AICS):</b>	
Dodecylbenzenesulfonic acid, isopropylamine salt	
Ethylene oxide-Nonylphenol polymer	
Extreme pressure & friction reducing additive	
Lard, oil, methyl esters	
Molybdenum Polysulphide Long Chain Alkyl Dithiocarbamide Complex	
Petroleum distillates, hydrotreated heavy naphthenic	
Petroleum distillates, hydrotreated light naphthenic	
Synthetic alky aryls	
Synthetic sulfonated hydrocarbon	
Tallow amine, ethoxylated	
Triethanolamine	
Water	

**Inventory - Japan Existing and New Chemical Substances (ENCS):**

Ethylene oxide-Nonylphenol polymer (7-172)  
Petroleum distillates, hydrotreated heavy naphthenic ()  
Petroleum distillates, hydrotreated light naphthenic ()  
Tallow amine, ethoxylated (7-60)  
Triethanolamine (2-308)

**Korean Existing Chemicals Inventory:**

Ethylene oxide-Nonylphenol polymer  
Petroleum distillates, hydrotreated heavy naphthenic  
Petroleum distillates, hydrotreated light naphthenic  
Tallow amine, ethoxylated  
Triethanolamine

**Inventory of Existing Chemical Substances in China:**

Petroleum distillates, hydrotreated light naphthenic  
Tallow amine, ethoxylated  
Triethanolamine

**Philippines Inventory of Chemicals and Chemical Substances (PICCS) :**

Dodecylbenzenesulfonic acid, isopropylamine salt  
Ethylene oxide-Nonylphenol polymer  
Molybdenum Polysulphide Long Chain Alkyl Dithiocarbamide Complex  
Petroleum distillates, hydrotreated heavy naphthenic  
Petroleum distillates, hydrotreated light naphthenic  
Synthetic alky aryls  
Synthetic sulfonated hydrocarbon  
Tallow amine, ethoxylated  
Triethanolamine  
Water

**Taiwan List of Toxic Chemical Substances regulated under Toxic Chemical Substances Control Act :****EU REACH: Annex XVII, Dangerous Substances and Preparations:**

Ethylene oxide-Nonylphenol polymer  
 Petroleum distillates, hydrotreated heavy naphthenic  
 Petroleum distillates, hydrotreated light naphthenic  
 Water

**Inventory - European Union -  
 European Inventory of Existing  
 Commercial Chemical  
 Substances (EINECS):**

Dodecylbenzenesulfonic acid, isopropylamine salt (247-556-2)  
 Lard, oil, methyl esters (268-375-5)  
 Molybdenum Polysulphide Long Chain Alkyl Dithiocarbamide Complex ()  
 Petroleum distillates, hydrotreated heavy naphthenic (265-155-0)  
 Petroleum distillates, hydrotreated light naphthenic (265-156-6)  
 Synthetic alky aryls (272-472-8)  
 Synthetic sulfonated hydrocarbon ()  
 Tallow amine, ethoxylated ()  
 Triethanolamine (203-049-8)  
 Water (231-791-2)

**EU List of Notified Chemical  
 Substances (ELINCS):** Not applicable

**Risk Phrases:**

**16. Other information**

<b>HMIS</b>	<b>Health:</b>	1	<b>NFPA</b>	<b>Health:</b>	1
	<b>Fire:</b>	1		<b>Fire:</b>	1
	<b>Physical Hazards:</b>	0		<b>Reactivity:</b>	0
	<b>PPE:</b>	C		<b>Special Hazards:</b>	---

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