



## SAFETY DATA SHEET

### EVERCOOL EC-1 50/50 (EXTENDED LIFE RED ANTIFREEZE)

#### Section 1 – Identification

##### 1.1 Product Identifiers:

**Product Name:** EVERCOOL EC-1 50/50 (EXTENDED LIFE RED ANTIFREEZE)

##### 1.2 Product Usage:

Recommended Usage: Antifreeze Fluid

Restrictions on Use: Dilution to 50% is generally recommended: dilute to meet local condition

##### 1.3 Emergency Support:

CHEMTREC

United States +1(800) 424-9300

International +01 (703) 527-3887

##### 1.4 Supplier Information:

MILES LUBRICANTS LLC  
66 Marine St. Farmingdale, NY 11735  
United States

Phone: 877-683-8086

Fax: 631-229-8000

**Email** :support@mileslubricants.com

[www.MilesLubricants.com](http://www.MilesLubricants.com)

#### Section 2 – Hazard(s) Identifications

##### Hazard Classification:

OSHA: Acute Toxicity, Oral, Category 4  
Skin Corrosion / Irritation, Category 2  
Serious Eye Damage / Eye Irritation, Category 2A  
Sensitization - Skin, Category 1

Toxic to Reproduction, Category 2  
Specific Target Organ Toxicity (Single Exposure), Category 1 Specific Target Organ Toxicity (Repeated Exposure), Category 2

**Hazard Statement:** Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of damaging fertility of the unborn child. Caused damage to the central nervous system (CNS) and kidneys if swallowed. May cause damage to kidneys through prolonged or repeated exposure if swallowed.

**GHS Rating(s): Health Hazard, Exclamation Point**

**Signal Word: DANGER**

**Precautionary Statement:**

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash hands and any other contaminated skin after handling. Do not eat, drink or smoke when using this product. Wear eye protection (splash goggles or full face shield), protective gloves and protective clothing (chemically impervious). Do not breathe mist or spray. Contaminated work clothing must not be allowed out of the workplace.

Response: If swallowed: Call a poison control center or doctor. Rinse mouth. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. If in eyes: Rinse eyes cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. If exposed or concerned: Get medical advice. Get medical attention if you feel unwell.

Storage: Store locked up.

Disposal: Contact local sewer, municipal, state and/or federal agencies to determine appropriate disposal options for the product. Dispose of this container with a registered reconditioned or as otherwise appropriate

**Any other Hazard not otherwise classified:** Not Applicable

## Section 3 – Composition and Information on Ingredients

Chemical Name	Common name and Synonyms	CAS #	%Weight
Ethylene Glycol	Mono ethylene Glycol	107-21-1	0.92
Water	N/A	7732-18-5	0.04
Inhibitors & Dye	N/A	Proprietary	0.04

## Section 4 - First Aid Measures

**Eye Contact:** Irritation may cause transitory stinging and tearing. Flush with water for at least 20 minutes. Seek medical attention if irritation develops or persists.

**Inhalation:** Vapors and mists cause respiratory irritation and may be harmful if inhaled. Remove to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Seek medical attention.

**Ingestion:** Toxic: may be harmful or fatal if swallowed. DO NOT induce vomiting, seek medical attention immediately. If swallowed give 2 to 3 glasses of water if victim is conscious and alert. Do not give anything by mouth to an unconscious person. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Vomiting may occur spontaneously. If vomiting occurs and the victim is conscious, give water to victim to further dilute the chemical.

**Skin:** Irritation may result. May be harmful if absorbed through skin. Wash skin with soap and water for at least 20 minutes. Remove any contaminated clothing. Seek medical attention immediately if symptoms or irritation develops.

**Other:** Consult a physician. Show safety data sheet to the doctor in attendance.

## Section 5 - Fire Fighting

### 5.1 Extinguishing Media

**Suitable Media & Unsuitable Media:** Water, water fog, water spray, alcohol foam, dry chemical or carbon dioxide.

**5.2 Specific hazards arising from this product:** Smoke may contain the original material in addition to but not limited to: Carbon Monoxide, Carbon Dioxide

### 5.3 Firefighters Advice

**Special protective equipment:** Fire Equipment Information: Fire-fighters should wear appropriate protective equipment and set contained breathing apparatus (SCBA) with a full face -piece operated in positive pressure mode.

## Section 6 - Accidental Release Measures

### 6.1 Personal precautions, protective equipment

Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment.

### 6.2 Protective equipment to prevent the contamination of skin, eyes, and clothing:

Usage of safety glasses or goggles is recommended. Chemical resistant gloves, chemical resistant apron, boots, and full suit will be necessary depending on the extent of clean up task. If ventilation does not control airborne concentration then respiratory protection equipment that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements should be used.

### 6.3 Methods and materials used for containment and Cleanup procedures

Collect liquid in an appropriate container or absorb with inert material and place in chemical waste container. Do not flush to sewer. Comply with all federal, state, and local regulations.

## Section 7 - Handling & Storage

### 7.1 Safe Handling

**Precautions for safe handling:** Protect container from physical damage. Wear appropriate personal protection equipment. Do not expose containers to open flame, excessive heat, or direct sunlight. Use local exhaust over processing area. Do not eat, drink or smoke around products.

### 7.2 Recommendations on the conditions for safe storage, Storage/handling

**incompatibilities:** Store in a cool, dry and ventilated area away from sources of heat, moisture and incompatible materials. Observe all warnings and precautions listed for the product. Keep container closed to prevent contamination.

### 7.3 Specific End Use

**Designed Purpose:** This product is designed for use as an Antifreeze Fluid.

## Section 8 - Exposure Control

OSHA Permissible Exposure Limits (PELs)	Not Applicable
American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values	ACGIH TLV: 100 mg/m <sup>3</sup>
Other Exposure Limits	OSHA - Table Z-1 Limits for air contaminants - 1910.1000: 50 ppm 125 mg/m <sup>3</sup>

## Exposure Controls

**Engineering Controls:** Material should be handled in enclosed vessels and equipment, in which case general room ventilation should be sufficient. Local exhaust ventilation should be used at points where dust, mist, vapors or gases can escape into the room air. No special requirements under ordinary conditions of use and with adequate ventilation.

**Environmental Exposure Controls:** General room ventilation should be satisfactory. Local exhaust ventilation may be necessary if misting is generated.

**Hygiene Measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

**Eye / Face Protection:** If contact is likely, safety glasses with side shields are recommended.

**Skin / Hand Protection:** Butyl rubber. Use nitrile or neoprene gloves. Use good industrial hygiene practices. In case of skin contact, wash hands and arms with soap and water. Use caution when opening man way covers of storage and transportation containers. 3-nitroaniline crystals may be present on the interior surface of these openings. 3-nitroaniline is toxic by dermal exposure.

**Respiratory Protection:** Use a properly fitted air purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this a necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## Section 9 - Physical & Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

Physical state :	Liquid
Color :	Clear Red
Odor :	Slight to no odor
Odor threshold :	No Data Available
pH :	7.5 - 9.0
Freezing Point :	-34°F / -37°C
Boiling Point / Range :	385°F / 196°C
Flash Point :	232°F / 111°C
Evaporation rate: :	<1
Upper Explosive Limits (% air) :	15.3% (v)
Lower Explosive Limits (% air) :	3.2% (v)
Flammability (solid, gas) :	This material is Not Flammable but can burn if heated
Vapor pressure :	134 Pa / 0.1 mmHg

Vapor density (air=1) :	2.14
Relative Density :	1.120 - 1.140
Auto-ignition temperature :	> 700°F/> 370°C
Decomposition temperature :	Not Applicable
Solubility in water :	Miscible in water
Partition coefficient, n-octanol/water :	Log Pow: -1.36
Viscosity :	~16 cps at 60°F

## Section 10 - Stability & Reactivity

Reactivity	Product is stable under typical use temperatures.
Chemical Stability	Product is stable under typical use temperatures.
Hazardous Reactions	Avoid contact with oxidizing materials strong bases and strong acids.
Conditions to Avoid	Heat, flames, ignition sources and incompatibles.
Incompatible Materials	Avoid contact with oxidizing agents, strong bases and strong acids.
Decomposition Products	Carbon dioxide and carbon monoxide may form when heated to decomposition.

## Section 11 - Toxicological Information

Likely Routes of Exposure Eyes / Skin / Ingestion / Inhalation

	Effects from Short Term Exposure	Effects from Long Term Exposure
Delayed Effects	Irritation of affected area	Irritation of affected area
Immediate Effects	Irritation of affected area	Irritation of affected area
Chronic Effects	Not Applicable	Teratogenic effects

The numerical measures of toxicity (e.g., acute toxicity estimates such as the LD50 (median lethal dose)) - the estimated amount [of a substance] expected to kill 50% of test animals in a single dose.

Skin: LD50 - Rabbits - >10600 mg/kg Ingestion: LD50 - Rats - 7712 mg/kg; Lethal Dose Human Adult - 90mL

Description of the symptoms. This description includes the symptoms associated with exposure to the chemical including symptoms from the lowest to the most severe exposure.

Irritation, nausea, vomiting, abdominal pain, weakness, muscle tenderness, respiratory failure, convulsions, cardiovascular collapse, pulmonary edema, hypocalcemic tetany, metabolic acidosis, death.

Listed in the National Toxicology Program (NTP) Report on Carcinogens?	No
Found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs	No
Found to be a potential carcinogen by OSHA?	No

## Section 12 - Ecological Information

Ecotoxicity	Low Ecotoxicity
Persistence and Degradability	Biodegradable
Bioaccumulation	Does not bioaccumulate significantly
Mobility in Soil	Dissolves in water. If product enters soil, it will be highly mobile and may contaminate ground water

## Section 13 - Disposal Considerations

Do not dump into sewers, on ground or into any bodies of water. Contact local sewer, municipal, state and/or federal agencies to determine appropriate disposal options.

## Section 14 - Transportation Information

Is product DOT regulated in Non-Bulk packaging?	No
UN number	UN3082
UN proper shipping name	Environmentally hazardous substances, liquid, n.o.s.
Transport hazard class(es)	9
Packing group number	III
Environmental hazards (e.g., identify if it is a marine pollutant according to the International Maritime Dangerous Goods Code (IMDG Code))	Not Regulated
Guidance on transport in bulk (according to Annex II of MARPOL 73/783 and the International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code (IBC Code))	Not Regulated
Any special precautions which an employee should be aware of or needs to comply with, in connection with transport or conveyance either within or outside their premises	Reportable Quantity (RQ): 5000 lbs Ethylene Glycol

## Section 15 - Regulatory Information

Safety Regulations	OSHA Hazard Communication Standard: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.	
Health Regulations	Not Available	
Environmental Regulations	Not Available	
US Toxic Substance Control Act	All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30	
CEPA - Domestic Substances List (DSL)	All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.	
SARA 311/312	Based upon available information, this material is classified as the following health and/or physical hazards according to Section 311 & 312	Superfund Amendments and Reauthorization Act of 1986 Title III (SARA) Sections 311 and 312: Immediate (Acute) Health Hazard - Yes; Delayed (Chronic) Health Hazard - Yes; Fire Hazard - No; Reactive Hazard - No; Sudden Release of Pressure Hazard - No. Section 313: Product contains the following substances which are subject to reporting requirements and are listed in 40 CFR 372 - Component: Ethylene Glycol CAS#: 107-21-1 Amount: >=99.0%.
HMIS	Blue/Health	2
	Red/Flammability	1
	Orange/Physical Hazard	0
	White/Personal Protection	x
NFPA 0(no hazard) to 4(severe risk)	Health (Blue)	2
	Flammability (Red)	1
	Instability/Reactivity (Yellow)	N/A
	Special (White)	0

## Section 16 - Other Information

This SDS is applicable for all dilutions and containers for this brand of product. The information herein is provided in good faith and believed to be accurate as of the effective revision date shown. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/ user's responsibility to ensure that activities comply with all federal, state, provincial or local law.