



A Division of
South West Lubricants, Inc.

**Material Safety Data Sheet
Coolanol**

Last updated: March 2009

1. Product and Company Identification

Product Trade Name Coolanol
CAS Number Not applicable for mixtures
Generic Chemical Name Engine Coolant / Antifreeze
Product Type Corrosion Inhibitor
Transportation Emergency CHEMTREC 1-800-424-9300 (Outside USA 703-527-3887)
MSDS No. 82964
MSDS Website www.maximausa.com

2. Composition/Information on Ingredients

Common Name	Chemical Name	CAS No.	Range (%)
Monoethylene Glycol		107-21-1	40-60
Diethylene Glycol		111-46-6	<5
All components of this product are listed on the Toxic Substances Control Act (TSCA) Inventory or are exempt from listing.			

3. Hazards Identification

EMERGENCY OVERVIEW

Primary Routes of Entry

Inhalation No
 Skin Yes
 Ingestion Yes

Hazardous Materials Information System (HMIS) Ratings

Health 3 0 = Minimal
 Fire 1 4 = Severe
 Reactivity 0 * = Chronic Hazard

POTENTIAL HEALTH EFFECTS

Eye Contact may cause mild eye irritation including stinging, watering and redness.
Skin Prolonged or repeated contact may result in skin irritation and dermatitis.
Ingestion Toxic: danger of very serious irreversible effects if swallowed. May cause drowsiness or dizziness.
Inhalation Vapors expected to be slightly irritating. At very high concentrations only, this product may cause headache, nose and throat irritation, nausea and/or mental confusion.
Other Information Possibility of organ or organ system damage from prolonged exposure.
Signs and Symptoms Kidney damage may be indicated by changes in urine output or appearance, pain upon urination or in the lower back.

Chemical Listed as Potential Carcinogens

NTP: No IARC: No OSHA: No

Target Organs: Kidneys



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4. First Aid Measures

Eye	Flush or rinse eye with water while holding eyelid open. Remove contact lenses, if worn. If irritation or redness persists, seek medical attention.
Skin	Wash skin with large amounts of soap and water. Remove contaminated clothing and shoes. Discard contaminated clothing and shoes or thoroughly clean before reuse.
Ingestion	DO NOT DELAY. Do not induce vomiting. If swallowed, dilute with water. Never give anything by mouth to an unconscious person. Never give anything by mouth to an unconscious person. Contact a physician immediately!
Inhalation	If adverse effects such as dizziness, nausea or irritation are noted, move person to fresh air. If not breathing give artificial respiration. Get medical attention.

5. Fire Fighting Measures

FLASH POINT 121°C (250°F)

METHOD USED Tagliabue Closed Cup

FLAMMABLE LIMITS in AIR % by VOLUME LEL: N/E UEL: N/E

UNUSUAL FIRE & EXPLOSION PROPERTIES:

Do not release runoff from fire control methods to sewers or waterways. Keep fire exposed containers cool and reduce vapors with water spray.

EXTINGUISHING MEDIA Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions Firefighters should wear a self-contained breathing apparatus with a full face piece operated in pressure demand or other positive pressure mode and protective clothing.

6. Accidental Release Measures

Spill Management	Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.
Reporting	Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.



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7. Handling and Storage

Handling Avoid contact with skin and eyes; wash thoroughly after handling. Avoid breathing vapor; use with adequate ventilation. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Storage Keep container closed and maintain all original markings and labels.

8. Exposure Controls/Personal Protection

Ventilation None normally required. Local exhaust may be needed under special circumstances such as poorly ventilated areas, evaporation from large surfaces, spraying, heating, etc.

Gloves Use nitrile or neoprene gloves.

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

Respiratory None required under normal conditions of use.

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

Hygienic Practices Avoid contact with skin and avoid breathing vapors or mist. Do not eat, drink or smoke while using this product. Wash up prior to eating or drinking.

Ethylene Glycol **ACGIH (ceiling): 100mg/m3** **OSHA (ceiling): 50ppm 125mg/m3**

9. Physical and Chemical Properties

Appearance and Odor	Liquid, Bright Green color, Slight sweet odor
pH	8.75
Vapor Pressure	<10 Pa @ 20°C / 68°F
Vapor Density (Air = 1)	2.1
Boiling Point	>250°F
Solubility	Soluble in water; insoluble in hydrocarbons
Freezing Point	-34°F
Melting Point	NA
Specific Gravity	1.10
Weight per Gallon	8.70 lbs/gal
Volatile Organic Compounds (VOC)	ND
Viscosity (40 °C)	ND



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10. Stability and Reactivity Data

Chemical Stability This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials None known.

Hazardous Decomposition Products Incomplete combustion may produce carbon monoxide, carbon dioxide and other unidentified organic compounds.

Hazardous Polymerization Hazardous polymerization will not occur.

11. Toxicological Information

No definitive information found on carcinogenicity or mutagenicity.

Skin Irritation Not expected to be irritating to skin.

Eye Irritation Expected to be non-irritating to eyes.

Respiratory Irritation Not expected to be a respiratory irritant.

Sensitisation Not expected to be a skin sensitizer.

Mutagenicity No evidence of mutagenic activity.

12. Ecological Information

Acute Toxicity

Fish	Low Toxicity: LC/EC/IC50 > 100 mg/l
Aquatic Invertebrates	Low Toxicity: LC/EC/IC50 > 100 mg/l
Algae	Low Toxicity: LC/EC/IC50 > 100 mg/l
Microorganisms	Low Toxicity: LC/EC/IC50 > 100 mg/l

Mobility

Dissolves in water. If product enters soil will become highly mobile and contaminate ground water.

Persistence/degradability

Readily biodegradable

Bioaccumulation

Does not bioaccumulate significantly

13. Disposal Considerations

Disposal Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Consult federal, state and local regulations regarding disposal methods. Do not contaminate oil with solvents or other chemicals.



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14. Transport Information

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT (Ground)

Identification Number	UN3082
Shipping Name	Environmentally hazardous substances, liquid, n.o.s.
Technical Name	Ethylene Glycol
Hazard Class	9
Packing Group	III
Hazardous Substance/Material RQ	Ethylene Glycol / 5,263 lbs.
Emergency Response Guide	171

IMDG (Overseas)

Shipping Name	Not Regulated
Class	
UN No.	

IATA (Air)

Shipping Name	Not Regulated
Class	
ID No.	
Label	
Packaging Instructions	

15. Regulatory Information

TSCA	All components are listed on the TSCA Inventory
EINECS	All components in compliance
CERCLA	Ethylene Glycol Antifreeze Grade – Reportable quantity: 5,263 lbs Ethylene Glycol (CAS No. 107-21-1) – Reportable quantity: 5,000 lbs
SARA (311/312)	Immediate (Acute) Health Hazard
SARA (TRI 313)	Ethylene Glycol (CAS No. 107-21-1) – 95%

16. Other Information

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.