# MATERIAL SAFETY DATA SHEET ANTIFREEZE/COOLANT

## FOR CHEMICAL EMERGENCY SPILLS OR LEAKS CALL 800-424-9300 24 HOURS ADAY

### HAZARD RATING

Health:

0=Least to 4= Extreme

- Reactivity: 0
- ◆ Fire: 1

#### I. IDENTIFICATION

3

Product Name:	Antifreeze/Coolant
Chemical Name:	Antifreeze
Formula:	Concentrate pre-charged & 50/50 prediluted
Synonyms:	All Temp Antifreeze
DOT shipping class:	Non regulated
Chemical Family:	Glycol
UN NO:	N/A

#### II. HAZARDOUS COMPONENTS

COMPONENT	CAS	TLV
Ethylene Glycol	107-21-1	50 ppm CEILING

#### III. PHYSICAL DATA

Boiling Point:	ND
Freeze Point:	ND
Specific Gravity:	APP1.11
Solubility in water:	Soluble
Appearance & Odor:	Green liquid with mild odor

This material safety data sheet is based on information provided us and the contents are believed to be accurate,. Although no guarantee or warranty I provided or implied by the company in this respect.

# IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method): Extinguishing Media:	>200oF water Fog, Alcohol Foam, Carbon Dioxide and Dry Chemical. <u>Do not use a direct spray of water</u>
Fire Fighting Procedures:	Get people out of the area. Do not enter the fire area without full bunker equipment including NIOSH approved pressure supplied masks.
Unusual Fire Hazards:	Containers may explode from internal pressure if confined to fire. Cool with water. Keep unnecessary people away.

# V. REACTIVITY DATA

Chemical Stability:	Stable
Incompatible materials:	Oxidizing agents, reducing agents and strong acids
Decomposition Products:	From fire – oxides of carbon and nitrogen
Hazardous polymerization:	Will not occur

## VI. HEALTH HAZARD DATA

Routes of Entry	Inhalation – Primary Skin/Eyes – Primary Ingestion – Not likely to occur		
Health Hazards Acute:	Prolonged exposure can be destructive to tissue especially eye tissue. Inhalation of vapors or mist may cause mucous membrane irritation. Ingestion can result in central nervous system depression, kidney injury and destruction of tissue, all of which could be fatal.		
Chronic:	Over exposure to vapors are associated with injuries to kidneys, liver, lungs, blood and central nervous system. Skin absorption can induce central nervous system depression and kidney and liver injury. Repeated ingestion can cause brain damage and destruction of tissue. Ethylene Glycol had caused birth defects or deaths in laboratory studies using pregnant mice and rats.		
CARCINOGENICITY			
Listed in NTP? No	IARC Monographs? No	OSHA Regulated? No	
Signs & Symptoms of Exposure Inhalation: Eyes:	Drunkenness, nausea, vomiting, visual impa heart rate and decreased urine volume. Irritation/Tissue destruction develops immed		
First Aid Procedures: Eye Contact:	Medical conditions generally aggravated by dermatitis and eye, kidney, liver disorders. Flush with water for 15 minutes	exposure are breathing disorders,	
Skin Contact:	wash skin with soap and water. Get medical attention if symptoms develop and persist		
Ingestion:	Do not induce vomiting. Drink large amounts stomach. Follow with milk. Never give fluids convulsions. GET MEDICAL ATTENTION I Material can be fatal.	if the victim is unconscious or having	
Inhalation:	Remove victim to fresh air and if needed im Give oxygen if breathing is labored. Get em Physician immediately.		

## VII. SPILL OR LEAK PROCEDURE.

For Spill:	In case of spillage absorb with inert material and dispose of ir accordance with applicable regulations.	
For Waste Disposal:	EPA approved hazardous waste disposal site.	
VIII. PRECAUTIONS FOR SAFE HANDLING AND USE:		
Respiratory Protection:	NIOSH approved organic vapor mask required in closed areas	

Ventilation: Requ	uired in closed areas
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Protective Gloves: NIOSH Chemical resistant gloves suitable for Ethylene Glycol

Other Protective Equipment: Chemical apron is recommended if there is a likelihood of splashing of liquid onto the body.

## VX. TRANSPORTATION INFORMATION:

Hazard Class:	Not regulated
DOT Shipping Name:	Ethylene Glycol Antifreeze
UN/NA Number:	None
Reportable Quantity:	None

### X. OTHER DATA

EPA hazard categories:	Acute, chronic		
Cercla RQ:	1 Pound based on Ethylene Glycol		
SARA TITLE III:	RQ – None; TPQ – None		
SARA TITLE III, Section	313: Component – Ethylene Glycol.	CAS – 107-21-1	% 94-98%

Footnotes:

N/A – Not Applicable App. – Approximate < - Less Than N/D – No Data EST. – Estimated > - Greater Than