



**Material Safety Data Sheet**  
 Golden West Antifreeze &  
 Summer Coolant

<b>Material Safety Data Sheet</b> May be used to comply with OSHA's Hazard Communication Standard, 39 CFR 1910.1200. Standard must be 39 CFR 1910.1200. Standard must be consulted for specific requirements.		U.S. Department of Labor Occupational Safety and Health Administration (Non-Mandatory Form) Form Approved OMB No. 1218-0072	
Identity (As Used on Label and List) Golden West Antifreeze & Summer Coolant		Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.	
<b>Section I</b>			
Manufacturer's Name Golden West Packaging Plant		Emergency Telephone Number 210-649-1401	
Address (Number, street, city, state and ZIP code) 13598 Hwy 87 East Adkins, TX 78101		Telephone Number for Information 210-649-1401	
		Date Prepared 2005	
		Signature of Preparer (optional)	
<b>Section II - Component and Precautionary Data</b>			
Principle Component:		Weight %	CAS No.
Ethylene Glycol	Health 2	95-100%	107-21-1
Diethylene Glycol	Flammability 1 Reactivity 0	5-0%	111-46-6
<b>Section III - Physical/Chemical Characteristics</b>			
Boiling Point	172°C	Specific Gravity (H2O = 1)	1.13
Vapor Pressure (mm Hg.)	0.04	Melting Point	
Vapor Density (AIR = 1)		Evaporation Rate (Butyl Acetate = 1)	
Solubility in Water - Appreciable			
Appearance and Odor - Green liquid color. Mild odor.			
<b>Section IV - Fire and Explosion Hazard Data</b>			
Flash Point (Method Used)	245°F TOC	Flammable Limits	LEL - 1.5 UEL N.D.
Extinguishing Media - Dry chemical, CO2, foam, or water fog.			
Special Fire Fighting Procedures - Wear self-contained breathing apparatus with full face piece and protective clothing			
Unusual Fire Explosion Hazards - None known			
Style CU-FP 174 Labelmaster, Div. Of American Labelmark Co. Inc. 60646		OSHA 174, Sept. 1985	

<b>Section V - Reactivity Data</b>			
Stability - Stable		Conditions to Avoid - Avoid contact with strong oxidizing agents.	
Incompatibility (Materials to Avoid) - None known.			
Hazardous Decomposition or Byproducts - Combustion will produce Carbon Dioxide and probably Carbon Monoxide.			
Hazardous Polymerization	May Occur	Conditions to Avoid -	
	Will Not Occur - X		
<b>Section VI - Health Hazard Data</b>			
Route(s) of Entry:		Inhalation? Yes	Skin? Yes
Ingestion? Yes			
Health Hazards (Acute and Chronic) - Threshold Limit Values (TLV) are 100 ppm (vapor).			
Carcinogenicity:	NTP? N.A.	IARC Monographs? N.A.	OSHA Regulated? N.D.
Signs and Symptoms of Exposure -			
Medical Conditions Generally Aggravated - Very toxic in particulate form upon inhalation. Contact with eyes could cause irritation. Prolonged contact with skin could result in irritation. Oral induction can cause initial central nervous system stimulation followed by depression. Later, it causes kidney damage which can terminate fatally. Lethal dose for human reported to be 100ml.			
Emergency First Aid Procedures - Any material that contacts the eye should be washed out immediately and medical attention obtained if any symptoms are present after washing. Remove to fresh air and consult medical personnel. If ingested, give two glasses of water and induce vomiting. Consult medical personnel.			
<b>Section VII - Precautions for Safe Handling and Use</b>			
Steps to be Taken in Case Material is Released or Spilled - Small spills may be collected with absorbent materials. For larger spills, flush area with water spray. Prevent runoff from entering drains, sewers, or streams.			
Waste Disposal Method - Dispose of observing all Federal, State, and Local Laws.			
Precautions to be Taken in Handling and Storing - Keep from contact with strong oxidizing agents and extreme heat in excess of 300°C. Since emptied containers retain product residue, follow product label warnings even after container is emptied.			
Other Precautions - Use chemical resistant gloves.			
<b>Section VII - Control Measures</b>			
Respiratory Protection (Specify Type) - Good ventilation should be sufficient to control airborne levels. Supplementary local exhaust ventilation may be needed in special circumstances, such as poorly ventilated spaces, spraying, heating, etc. If respiratory protection is needed, an appropriate NIOSH approved respirator for organic vapor should be worn.			
Transportation - DOT Hazard Classification: Other regulated substances, N.O.S. (contains Ethylene Glycol) 9, NA 3082, PGIII, RQ, Guide 31, Antifreeze. This only applies to quantities of 5000 pounds or more of Ethylene Glycol Concentration.			
Ventilation	Local Exhaust - Yes	Special	
	Mechanical (General)	Other	
Protective Gloves - Yes			
Eye Protection - Goggles - An eye bath should be available.			
Other Protective Clothing or Equipment - A face shield is recommended.			
Work/Hygienic Practices - Wash thoroughly after handling. Good hygiene practice should be followed which includes minimizing skin contact.			
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