

MATERIAL SAFETY DATA SHEET

(Essentially Similar To Form OSHA-20) (Complies with 29CFR 1910.1200)

SECTION I

TRADE NAME: COOLANOL 82964

CODE NUMBER: 82964

CHEMICAL FAMILY: ANTI-FREEZE/COOLANT

CARCINOGENIC INGREDIENTS OSHA/NTP/IARC: NONE

TCSA INFORMATION: COMPONENTS OF THIS PRODUCT ARE LISTED

DATE 8/19/94
SUPERCEDES

C.A.S. NO. MIXTURE

SECTION II-HAZARDOUS INGREDIENTS

COMPONENTS	C.A.S. NOS.	TLV/PEL PPM	mg/m3	% BY WEIGHT VOLUME
1,2-ETHANEDIOL	107211	50		55
NOT CALIFORNIA PROP. 65 LISTED. SUBJECT TO SARA TITLE III, SEC. 313 & 40CFR PART 372.				

SECTION III-FIRE AND EXPLOSION HAZARD DATA

HAZARDOUS THERMAL DECOMPOSITION CARBON MONOXIDE & ASPHYXIANTS	FLAMMABLE LIMITS: LEL-UEL 3.2 - N/D
EXTINGUISHING MEDIA: WATER SPAY, DRY CHEMICAL, FOAM OR CO ₂	FLASHPOINT: 244°F (PM)
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE	DOT INFORMATION: PROPRIETARY ANTIFREEZE

SPECIAL FIRE FIGHTING PROCEDURES: DO NOT ENTER ANY ENCLOSED OR CONFINED AREA WITHOUT PROPER PROTECTIVE GEAR AND SELF-CONTAINED BREATHING APPARATUS.

SECTION IV-PHYSICAL DATA

BOILING RANGE: 388°F		SOLUBILITY: SOL.		PH: 10.5	
VAPOR PRESSURE: <0.1mmHg @ 20°C		APPEARANCE AND ODOR		GREEN LIQUID, MILD ODOR	
VAPOR DENSITY	EVAPORATION RATE	SPECIFIC GRAVITY	WEIGHT PER GALLON	% VOLATILE BY VOLUME	
GREATER THAN AIR	LESS THAN ETHER	1.07	8.9	<1	

SECTION V-REACTIVITY DATA

INCOMPATIBILITY <MATERIAL TO AVOID>: STONG OXIDIZERS & AMINES	
STABILITY: STABLE	CONDITION TO AVOID: AS ABOVE
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE & ASPHYXIANTS	
HAZARDOUS POLYMERIZATION NONE	

SWT
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82964

SECTION VI-HEALTH HAZARD DATA

ROUTE OF EXPOSURE	ADVERSE AFFECTS		FIRST AID PROCEDURES	NFPA
	ING	TOXIC. HEADACHES, WEAKNESS, CONFUSION, NAUSEA, VOMITTING, DIZZINESS, DECREASED BLOOD PRESSURE, INCREASED HEART RATE & DEATH.	INDUCE VOMITTING IMMEDIATELY, GIVE VICTIM TWO GLASSES OF WATER IF VICTIM IS CONSCIOUS. GET IMMEDIATE MEDICAL HELP.	
	INH	INHALATION OF MIST CAN CAUSE IRRITATION TO NOSE & THROAT, HEADACH, NAUSEA & DROWSINESS.	REMOVE TO FRESH AIR. GET MEDICAL ATTENTION IF BREATHING BECOMES DIFFICULT OR SYMPTOMS PERSIST.	
	ECYEN	MAY CAUSE IRRITATION AND MILD DISCOMFORT.	FLUSH EYES WITH WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.	
	ASC CK UIN T N E	MAY CAUSE IRRITATION AND SWELLING.	WASH SKIN WITH SOAP & WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.	
	CSC HKO RIN ON N I C	MAY AGGRAVATE AN EXISTING DERMATITIS.	WASH SKIN WITH SOAP & WATER. LAUNDRY CONTAMINATED CLOTHING PRIOR TO REUSE. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.	

<DOT> SECTION VII-SPILL OR LEAK PROCEDURES <EPA>

STEPS TO BE TAKEN IN CASE

MATERIAL IS RELEASED OR SPILLED: STOP FLOW. CONTAIN AND ABSORB WITH INERT MATERIAL. STORE IN APPROPRIATE CONTAINER. PROTECT FROM ENTRY INTO SEWERS AND WATERWAYS.

WASTE DISPOSAL METHOD: IN ACCORDANCE WITH STATE AND LOCAL AND FEDERAL REGULATIONS.

TRANSPORTATION INFORMATION:

PROPER SHIPPING NAME: PROPRIETARY ANTI-FREEZE

SECTION VIII-SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: USE NOISH-APPROVED, POSITIVE PRESSURE BREATHING APPARATUS IF TLV IS EXCEEDED.

PROTECTIVE GLOVES: RECOMMENDED

OTHER PROTECTIVE EQUIPMENT: EYE PROTECTION IS RECOMMENDED

VENTILATION: SUFFICIENT TO KEEP BELOW A TLV OF 50ppm.

SECTION IX-SPECIAL PRECAUTIONS

PRECAUTION TO BE TAKEN WHEN HANDLING OR STORING: PROTECT FROM OPEN FLAMES AND OTHER SOURCES OF IGNITION, PROTECT CONTAINERS FROM DAMAGE.

PERSONAL HYGIENE: WASH WITH SOAP AND WATER

OTHER PRECAUTIONS: NONE

APPROVED BY: *[Signature]*

DATE:

A Division of Southwest Lubricants

PRODUCT

COOLANOL

HEALTH
FIRE
REACTIVITY
PERSONAL PROTECTION (NFPA)

