

MATERIAL SAFETY DATA SHEET
APPROVED BY U.S. LABOR DEPT.,
ESSENTIALLY SIMILAR TO FORM OSHA 174

PRODUCT IDENTITY: PEAK® ANTIFREEZE & COOLANT

I. SUPPLIER
OLD WORLD AUTOMOTIVE PRODUCTS, INC.
NINE NORTH BROADWAY
DES PLAINES, IL. 60016
PHONE: (708) 699-2000
CHEMTREX PHONE: 1-800-424-9300

II. HAZARDOUS INGREDIENTS

MATERIAL	CAS#	% BY WT	PEL	(OSHA) TLV (ACGIH)
Ethylene Glycol	107-21-1	90 - 95	None	Known *50 ppm
Diethylene Glycol	111-46-6	0 - 5	None	Known 25ppm
				*(ceiling limit)
LOWEST KNOWN LD50 (ORAL)	107-21-1			5840 mg/kg (Rats)
LOWEST KNOWN LD50 (SKIN)	107-21-1			9530 mg/kg (Rabbits)

HAZARD RATING

HEALTH (NFPA): 1 HEALTH (HMIS): 1 FLAMMABILITY: 1 REACTIVITY: 0 THIS PRODUCT IS LISTED IN THE TSCA INVENTORY

DOT SHIPPING NAME: None (UN000)

DOT LABEL: None

III. PHYSICAL DATA

BOILING RANGE:	171 203 203°C/339 398 398°F (*=End Point)
API GRAVITY:	Not Applicable
SPECIFIC GRAVITY (Water=1):	1.12
POUNDS/GALLONS:	9.3
VAPOR PRESSURE (mm OF Hg)@20C:	0.4
VAPOR DENSITY (air = 1):	2.1
WATER ABSORPTION:	Appreciable
ACID ABSORPTION (85% H2SO4):	Appreciable
DRY TIME (Ether = 1):	Long
% VOLATILE BY VOLUME:	97.0
APPEARANCE:	Green
ODOR:	Mild
REFRACTIVE INDEX:	1.431

IV. FIRE & EXPLOSION HAZARDS

AUTO IGNITION TEMPERATURE:	750°F
FLASH POINT (TEST METHOD):	118°C/245°F (TCC) (Lowest Component)
LOWER FLAMABLE LIMIT IN AIR (% by volume):	1.5 (Lowest Component)
FLAMMABILITY CLASSIFICATION:	Class IIIB
FIRE EXTINGUISHING MEDIA:	NFPA Class B extinguishers. For class III B liquid fire (Dry Chemical, Foam, or Carbon Dioxide (CO ₂))
SPECIAL FIRE FIGHTING PROCEDURES:	Water spray may be ineffective on fire but can protect fire fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves & rubber boots). Use a NIOSH approved positive- pressure self-contained breathing apparatus. Keep container tightly closed. Isolate from oxidizers, heat & open flame.
UNUSUAL EXPLOSION & FIRE PROCEDURES:	Closed containers may explode if exposed to extreme heat. Applying to hot surface requires special precautions. Empty container very hazardous! Follow all label precautions!

V. REACTIVITY DATA

STABILITY:	Stable
CONDITIONS TO AVOID:	Isolate from oxidizers, heat & open flame.
MATERIALS TO AVOID:	Isolate from strong oxidizers such as permanganates, chromates & peroxides.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon Monoxide, Carbon Dioxide from burning.
CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION:	Material is not known to polymerize.

VI. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE:
PREVENTION OF OVEREXPOSURE:

50 ppm (Ceiling Value)
Avoid prolonged or repeated breathing of vapor or spray mist. Do not get in eyes, on skin or clothing. Do not take internally.
ORGANIC EFFECTS: EYE & SKIN

CONTACT: OF ACCUTE
OVER- EXPOSURE:

Primary irritation to skin, defatting, dermatitis. Primary irritation to eyes, redness, tearing blurred vision. Absorption thru skin increases exposure. SWALLOWING: Harmful or fatal if swallowed, swallowing may cause abdominal irritation, nausea, vomiting and diarrhea.

ORGANIC EFFECTS: EYE & SKIN
CONTACT: OF CHRONIC
OVER- EXPOSURE:

Liquid causes eye irritation. Wash thoroughly after handling.

CANCER HAZARD:

This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA, or ACGIH, as of this date, GREATER OR EQUAL TO 0.1%

EMERGENCY & FIRST AID
PROCEDURES:

In case of contact with skin, flush with plenty of water. For eyes, flush with plenty of water for 15 minutes & get medical attention. After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped give artificial respiration. If swallowed, CALL A PHYSICIAN IMMEDIATELY! Induce vomiting promptly following physician's instructions or by having patient stick finger down throat. Never give anything by mouth to an unconscious person.

VII. SAFE HANDLING & USE PRECAUTIONS

SPILL OR LEAK PROCEDURES:

Small; Mop up with absorbent material & transfer to hood. **Large;** Isolate from oxidizers, heat & open flame. Persons without proper protection should be kept from an area until cleaned up.

WASTE DISPOSAL METHOD:

Small; evaporate until all vapors are gone. Dispose of remainder by legally applicable methods. **Large;** Recycle or incinerate observing local, state & Federal health, safety & pollution.

OTHER PRECAUTIONS:

Store large amounts in structures made for OSHA Class OTHER liquids. Avoid free fall of liquid. Ground containers when transferring. Do not flame cut, braze or weld. Empty container very hazardous! Follow all label precautions!

VIII. CONTROL MEASURES

RESPIRATORY PROTECTIONS:

Ventilate to keep air below 45 ppm. If over TLV, in accordance with 29 CFR 1910.134, (SPECIFIC TYPE): use a NIOSH approved positive-pressure self-contained breathing apparatus.

VENTILATION:LOCALEXHAUST:

Necessary

SPECIAL:

None

MECHANICAL(GENERAL):

Acceptable

OTHER:

None

PROTECTIVE CLOTHING:

Wear OSHA Standard goggles or face shield. Consult safety equipment supplier. Wear gloves, apron, & footwear impervious to this material. Wash clothing before reuse.

IX. DOT TRANSPORTATION

SHIPPING NAME:

Not Applicable

HAZARD CLASS:

Not Applicable

ID NUMBER:

Not Applicable

MARKING:

Not Applicable

LABEL:

Not Applicable

PLACARD:

Not Applicable

HAZARDOUSSUBSTANCE/RQ:

Not Applicable

SHIPPING DESCRIPTION:

Not Applicable

X. HAZARD CLASSIFICATION

This product meets the following hazard definition as defined by the Occupational Safety and Health Hazard Communication Standard (29 CFR Section 1910.1200): Health Hazard (Section VI)

XI. ADDITIONAL COMMENTS

THIS PRODUCT MEETS REQUIREMENTS OF LA RULE 66 & SIMILAR REGULATIONS.

THIS PRODUCT DOES NOT APPEAR IN THE CALIFORNIA HEALTH & SAFETY CODE, SECTION 25249.5 ("PROPOSITION 65" LISTING OF CHEMICALS UNDER THE ACT)

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.

ETHYLENE GLYCOL

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DATED:10/89