

PITT PENN OIL CO -- PITT PENN PREMIUM HEAVY DUTY MILITARY ANTIFRE

=====  
MSDS Safety Information  
=====

FSC: 6850  
NIIN: 01-464-9266  
MSDS Date: 04/23/2000  
MSDS Num: CLBPH  
Product ID: PITT PENN PREMIUM HEAVY DUTY MILITARY ANTIFREEZE, PREMIXED  
MFN: 02  
Responsible Party  
Cage: 0A1G5  
Name: PITT PENN OIL CO  
Address: 426 FREEPOR  
T RD  
Box: 296  
City: CREIGHTON PA 15030-0296  
Info Phone Number: 724-226-2712  
Emergency Phone Number: 800-255-3924 CHEM TEL

=====  
Item Description Information  
=====

Item Manager: S9G  
Item Name: ANTIFREEZE  
Specification Number: A-A-52624  
Type/Grade/Class: TY IP RECYCLED  
Unit of Issue: GL  
UI Container Qty: 1

=====  
Ingredients  
=====

Name: \*\*\* PROPRIETARY \*\*\*  
-----

=====  
Health Hazards Data  
=====

LD50 LC50 Mixture: ORAL, RAT LD50: 4.7-8.5 G/KG  
Effects of Exposure: EYE: BELIEVED TO CAUSE SLIGHT EYE IRRITATION. SKIN:  
BELIEVED TO BE SLIGHTLY IRRITATING UPON PROLONGED CONTACT. RESPIRATORY  
SYSTEM: DROWSINESS, NARCOSIS, AND UNCONSCIOUSNESS POSSIBLE UPON EXPOSURE TO H  
IG

H CONCENTRATIONS IN POORLY VENTILATED CONFINED SPACES. CHRONIC: LIVER AND KIDNEY DAMAGE IN A 2 YEAR RAT FEEDING STUDY USING 1-2% ETHYLENE GLYCOL. ORAL ADMINISTRATION OFF VERY HIGH DOSES OF ETHYLENE GLYCOL PRODUCED BIRTH DEFECTS IN LABORATORY ANIMALS. SKIN AND RESPIRATORY SENSITIZATION: UNKNOWN.

Signs And Symptoms Of Overexposure: RESPIRATORY SYSTEM: DROWSINESS, NARCOSIS, AND UNCONSCIOUSNESS.

First Aid: EYE: IMMEDIATELY FLUSH WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15 MINUTES AND

CALL A PHYSICIAN. SKIN: REMOVE EXCESS WITH CLOTH OR PAPER TOWEL. WASH THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. RESTORE AND/OR SUPPORT BREATHING AS REQUIRED. KEEP VICTIM WARM AND AT REST. SWALLOWED: IMMEDIATELY CONTACT A PHYSICIAN, POISON CONTROL CENTER OR EMERGENCY TREATMENT CENTER. DO NOT INDUCE VOMITING! ASPIRATION HAZARD: PRODUCT MAY BE INHALED INTO LUNGS IF VOMITED.

=====

=====

#### Handling and Disposal

=====

Spill Release Procedures: CONTAIN SPILL IF POSSIBLE. WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP. EMERGENCY TELEPHONE NUMBER-CHEM TEL, INC 1-800-255-3924.

Waste Disposal Methods: UNDER RCRA, IT IS THE RESPONSIBILITY OF THE USER OF PRODUCTS TO DETERMINE, AT THE TIME OF DISPOSAL, WHETHER PRODUCT MEETS RCRA CRITERIA FOR HAZARDOUS WASTE. THIS IS BECAUSE PRODUCT USES TRANSFORMATION S,

MIXTURES, PROCESSES, ETC., MAY RENDER THE RESULTING MATERIAL HAZARDOUS. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS.

Handling And Storage Precautions: MINIMUM FEASIBLE HANDLING TEMPERATURE SHOULD BE MAINTAINED. PERIODS OF EXPOSURE TO HIGH TEMPERATURE SHOULD BE MINIMIZED. WATER CONTAMINATION SHOULD BE AVOIDED.

Other Precautions: HARMFUL OR FATAL IF SWALLOWED. KEEP OUT OF REACH OF CHILDREN. MAY CAUSE IRRITATION TO EYES. DO NOT DRINK ANTIFREEZE OR SOLUTION. AVOID CONTACT WITH EYES.

WASH THOROUGHLY AFTER HANDLING. DO NOT STORE IN OPEN OR UNLABELED CONTAINERS.

=====

#### Fire and Explosion Hazard Information

=====

Flash Point Method: COC

Flash Point: >128.C, 262.4F

Autoignition Temp: >413.C, 775.4F

Lower Limits: 3.2

Upper Limits: 15.3

Extinguishing Media: USE WATER SPRAY, DRY CHEMICAL, FOAM, CARBON DIOXIDE

Fire Fighting Procedures: WATER OR FOAM MAY CAUSE FROTHING. US

E WATER SPRAY TO  
DISPERSE THE VAPORS AND TO PROVIDE PROTECTION FOR PERSON ATTEMPTING TO STOP  
THE LEAK.

Unusual Fire/Explosion Hazard: NONE.

=====  
Control Measures  
=====

Respiratory Protection: SUPPLIED AIR RESPIRATORY PROTECTION FOR CLEANING LARGE  
SPILLS UPON ENTRY INTO TANKS, VESSELS, OR OTHER CONFINED SPACES.

Ventilation: NORMAL TO MAINTAIN EXPOSURE BELOW TLV.

Eye Protection: CHEMICAL TYP  
E GOGGLES OR FACE SHIELD OPTIONAL.

Work Hygienic Practices: EXPOSED EMPLOYEES SHOULD EXERCISE REASONABLE PERSONAL  
CLEANLINESS ; THIS INCLUDES CLEANSING EXPOSED SKIN AREAS SEVERAL TIMES DAILY  
WITH SOAP/WATER, & LAUNDERING/DRY CLEANING SOILED WORK CLOTHING WEEKLY.

Supplemental Safety and Health: SYNONYMS: ETHYLENE GLYCOL, ETHYLENE GLYCOL  
SOLUTION..

=====  
Physical/Chemical Properties  
=====

HCC

: V7

Boiling Point: =110.C, 230.F

Decomp Temp: =412.8C, 775.F

Vapor Pres: NOT DETERMINED

Vapor Density: N/D

Spec Gravity: 1.1

PH: 10-11(NEAT)

Evaporation Rate & Reference: NOT DETERMINED

Solubility in Water: SOLUBLE

=====  
Reactivity Data  
=====

Stability Indicator: YES

Stability Condition To Avoid: HIGH TEMPERATURES ABOVE 413 C(775F) (PRODUCT CAN  
DECOMPOSE.

Materials To Avoid: STRONG OXIDIZE  
RS.

Hazardous Decomposition Products: CARBON DIOXIDE AND CARBON MONOXIDE.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: DOES NOT OCCUR.

=====  
Toxicological Information  
=====

Toxicological Information: MEDIAN LETHAL DOSE (LD50 LC50 X SPECIES): ORAL:  
BELIEVED TO BE 4.7 - 8.5 G/KG (RAT); MODERATELY TOXIC. INHALATION: NOT  
DETERMINED. DERMAL: BELIEVED TO BE 1-3 G/KG (R

ABBIT); SLIGHTLY TOXIC. OTHER:

NOT DETERMINED. IRRITATION INDEX/ESTIMATION OF IRRITATION (SPECIES): SKIN:  
BELIEVED TO BE 0.5-1.8/8.0 (RABBIT); SLIGHTLY IRRITATING. EYES: BELIEVED TO  
BE 15-25/110 (RABBIT); SLIGHTLY IRRITATING.

=====  
Ecological Information  
=====

=====  
MSDS Transport Information  
=====

=====  
Regulatory Information  
=====

Sara Title III Information: SARA 313 INFORMATION: CONTAINS FOLLOWING SUBSTANCE  
WHICH IS LISTED IN TITLE III: ETHYLENE GLYCOL. SARA HAZARD CATEGORY: AN  
IMMEDIATE HEALTH HAZARD. A DELAYED HEALTH HAZARD.

Federal Regulatory Information: ALL COMPONENTS LISTED ON TSCA (USA) INVENTORY.  
=====

Other Informati  
on  
=====

Other Information: ALL COMPONENTS LISTED ON DSL INVENTORY (CANADA).  
=====

Transportation Information  
=====

Responsible Party Cage: 0A1G5

Trans ID NO: 156590

Product ID: PITT PENN PREMIUM HEAVY DUTY MILITARY ANTIFREEZE, PREMIXED

MSDS Prepared Date: 04/23/2000

Review Date: 04/09/2001

MFN: 2

Net Unit Weight: 9.2 LBS

Multiple KIT Number: 0

Review IND: Y

Unit Of Issue: GL

Container QTY: 1  
=====

Detail DOT Information  
=====

DOT PSN Code: FST

Symbols: G

DOT Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S.

Hazard Class: 9

UN ID Num: UN3082

DOT Packaging Group: III

Label: CLASS 9

Special Provision: 8,T1

Packaging Exception: 155

Non Bulk Pack: 203

Bulk Pack: 241

Max Qty Pass: NONE

Max Qty Cargo: NONE

Vessel Stow

Req: A

=====  
Detail IMO Information  
=====

IMO PSN Code: GMW  
IMO Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. o  
IMDG Page Number: 9028  
UN Number: 3082  
UN Hazard Class: 9  
IMO Packaging Group: III  
Subsidiary Risk Label: -  
EMS Number: NONE  
MED First Aid Guide NUM: NON

=====  
Detail IATA Information  
=====

=====  
IATA PSN Code: KTV  
IATA UN ID Num: 3082  
IATA Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
\*  
IATA UN Class: 9  
IATA Label: MISCELLANEOUS  
UN Packing Group: III  
Packing Note Passenger: 914  
Max Quant Pass: NO LIMIT  
Max Quant Cargo: NO LIMIT  
Packaging Note Cargo: 914  
Exceptions: A97

=====  
Detail AFI Information  
=====

AFI PSN Code: KTV  
AFI  
Symbols: \*  
AFI Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S.  
AFI Hazard Class: 9  
AFI UN ID NUM: UN3082  
AFI Packing Group: III  
Special Provisions: P5, 8  
Back Pack Reference: A13.3

=====  
HAZCOM Label  
=====

Product ID: PITT PENN PREMIUM HEAVY DUTY MILITARY ANTIFREEZE, PREMIXED  
Cage: 0A1G5  
Company Name: PITT PENN OIL CO  
Street: 426 FREEPORT RD  
PO Box: 296  
City: CREIGHTON

PA  
Zipcode: 15030-0296  
Health Emergency Phone: 800-255-3924 CHEM TEL  
Label Required IND: Y  
Date Of Label Review: 04/09/2001  
Status Code: A  
Origination Code: F  
Chronic Hazard IND: Y  
Eye Protection IND: YES  
Skin Protection IND: NO  
Signal Word: WARNING  
Respiratory Protection IND: YES  
Health Hazard: Moderate  
Contact Hazard: Slight  
Fire Hazard: Slight  
Reactivity Hazard: None

Hazard And Precautions: EYE: BELIEVED TO CAUSE SLIGHT EYE IRRITATION. SKIN:  
BELIEVED TO BE SLIGHTLY IRRITATING UPON PROLONGED  
CONTACT. RESPIRATORY  
SYSTEM: DROWSINESS, NARCOSIS, AND UNCONSCIOUSNESS POSSIBLE UPON EXPOSURE TO HIGH  
CONCENTRATIONS IN POORLY VENTILATED CONFINED SPACES. CHRONIC: LIVER AND  
KIDNEY DAMAGE IN A 2 YEAR RAT FEEDING STUDY USING 1-2% ETHYLENE GLYCOL. ORAL  
ADMINISTRATION OF VERY HIGH DOSES OF ETHYLENE GLYCOL PRODUCED BIRTH DEFECTS  
IN LABORATORY ANIMALS. SKIN AND RESPIRATORY SENSITIZATION: UNKNOWN.

=====

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever expressly or implied warrants, states, or intends said information to have any application, use or viability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.