

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

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MSDS Safety Information
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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 FREEPORT
RD
Box: 296
City: CREIGHTON PA 15030-0296
Info Phone Number: 724-226-2712
Emergency Phone Number: 800-255-3924 CHEM TEL

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Item Description Information
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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

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Ingredients
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Name: *** PROPRIETARY ***

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Health Hazards Data
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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
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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 Symptions Of Overexposure: RESPIRATORY SYSTEM: DROWSINESS, NARCOSIS, AND UNCONSCIOUSNESS.

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

ALL A PHYSICIAN. SKIN: REMOVE EXCESS WITH CLOTH OR PAPER TOWEL. WASH THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PE RSISTS, 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 C ENTER OR EMERGENCY TREATMENT CENTER. DO NOT INDUCE VOMITING! ASPIRATION HAZARD: PRODUCT MAY BE INHALED INTO LUNGS IF VOMITED.

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Handling and Disposal

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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, MIXTURE , PROCESSES, ETC., MAY RENDER THE RESULTING MATERIAL HAZARDOUS. DISPOSE OF IN ACCORDANCE W ITH 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 EYE

S. WASH THOROUGHLY AFTER HANDLING. DO NOT STORE I N OPEN OR UNLABELED CONTAINERS.

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Fire and Explosion Hazard Information

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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. USE

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

Unusual Fire/Explosion Hazard: NONE.

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Control Measures
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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 TYPE
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..

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Physical/Chemical Properties
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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

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Reactivity Data
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Stability Indicator: YES

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

Materials To Avoid: STRONG OXIDIZER

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Hazardous Decomposition Products: CARBON DIOXIDE AND CARBON MONOXIDE.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: DOES NOT OCCUR.

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Toxicological Information
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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 (RA

BBIT); 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.

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Ecological Information
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MSDS Transport Information
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Regulatory Information
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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.
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Other Informatio
n

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

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Review IND: Y

Unit Of Issue: GL

Container QTY: 1
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Detail DOT Information
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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

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Detail IMO Information
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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

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Detail IATA Information
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IATA PSN Code: KTV
IATA UN ID Num: 3082
IATA Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
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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

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Detail AFI Information
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AFI PSN Code: KTV
AFI S
ymbols: *
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

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HAZCOM Label
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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 P

A
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 OFF VERY HIGH DOSES OF ETHYLENE G LYCOL PRODUCED BIRTH DEFECTS IN LABORATORY ANIMALS. SKIN AND RESPIRATORY SENSITIZATION: UNKNOWN.

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