

PITT PENN OIL CO -- SURE ANTIFREEZE -- 6850-00-664-1403

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Product Identification  
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Product ID:SURE ANTIFREEZE  
MSDS Date:09/01/1996  
FSC:6850  
NIIN:00-664-1403  
Status Code:A  
MSDS Number: CLMWB  
=== Responsible Party ===  
Company Name:PITT PENN OIL CO  
Address:426 FREEPORT RD  
Box:296  
City:CREIGHTON  
State:PA  
ZIP:15030-0296  
Country:US  
Info Phone Num:724-226-2712  
Emergency Phone Num:800-424-9300  
Pr

eparer's Name:ERNEST CARTER  
Chemtec Ind/Phone:(800)424-9300  
CAGE:0A1G5

=== Contractor Identification ===  
Company Name:PITT PENN OIL CO  
Address:426 FREEPORT RD  
Box:296  
City:CREIGHTON  
State:PA  
ZIP:15030-0296  
Country:US  
Phone:724-226-2712  
CAGE:0A1G5

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Composition/Information on Ingredients  
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Ingred Name:SILICATES  
CAS:6834-92-0  
Code:F  
RTECS #:VV9275000  
Minumum % Wt:.02  
Maxumum % Wt:.05

Ingred Name:PHOSPHATES  
CAS:7664-38-2  
Code:F  
RTECS #:TB6300000  
&lt; Wt:.5  
OSHA PEL:1 M

G/M3  
ACGIH TLV:1 MG/M3  
ACGIH STEL:3 MG/M3

Ingred Name:SILICATES  
CAS:1303-96-4  
Code:F  
RTECS #:VZ2275000  
Minumum % Wt:.2  
Maxumum % Wt:.5  
ACGIH TLV:5 MG/M3

Ingred Name:SODIUM NITRATE  
CAS:7631-99-4  
RTECS #:WC5600000  
&lt; Wt:.5

Ingred Name:SODIUM HYDROXIDE  
CAS:1310-73-2  
RTECS #:WB4900000  
Minumum % Wt:.2  
Maxumum % Wt:.4  
OSHA PEL:2 MG/M3  
ACGIH STEL:C2 MG/M3  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:SODIUM 2-MERCAPTOBENZOTHIAZOLE  
CAS:2492-26-4  
Minumum % Wt:.1  
Maxumum % Wt:.2

Ingred Name  
:1,2-ETHANEDIOL  
CAS:107-21-1  
RTECS #:KW2975000  
Minumum % Wt:95.  
Maxumum % Wt:96.  
ACGIH STEL:C127 MG/M3;C50 PPM  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:SODIUM TOLYLTRIAZOLE  
CAS:64665-57-2  
Minumum % Wt:.05  
Maxumum % Wt:.2

Ingred Name:POLYGLYCOL  
CAS:9003-11-6  
Code:F  
RTECS #:MD0907950  
Minumum % Wt:.01  
Maxumum % Wt:.03

===== Hazards Identification =====

Health Hazards Acute and Chronic:EYES: 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 2 YEAR RAT FEEDING STUDY USING 1-2% ETHYLENE GLYCOL PRODUCED BIRTH DEFECTS IN LAB ANIMALS.

Effects of Overexposure: EYES: BELIEVED TO CAUSE SLIGHT EYE IRRITATION.

SKIN: BELIEVED TO BE SLIGHTLY IRRITATING UPON PROLONGED CONTACT.

RESPIRATORY SYSTEM

M: DROWSINESS, NARCOSIS, AND UNCONSCIOUSNESS

POSSIBLE UPON EXPOSURE TO HIGH CONCENTRATIONS IN POORLY VENTILATED CONFINED SPACES. CHRONIC: LIVER AND KIDNEY DAMAGE IN 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.

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===== First Aid Measures =====

First Aid: EYES: FLUSH WITH WATER FOR FIFTEEN MINUTES. SKIN: WASH EXPOSED AREAS WITH

SOAP AND WATER. INGESTION: GIVE LARGE QUANTITIES OF WATER, THEN INDUCE VOMITING IMMEDIATELY. GET IMMEDIATE MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR; IF NOT BREATHING, APPLY ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION. KEEP AFFECTED PERSON WARM AND AT REST.

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===== Fire Fighting Measures =====

Flash Point Method: COC

Flash Point: =127.8C, 262.F

Autoignition Temp: =412.8C, 775.F

Lower Limits: 3.2%

Upper Limits: 15.3%

Extinguishing Media: USE

WATER SPRAY, DRY CHEMICAL, FOAM, OR CARBON DIOXIDE. WATER OR FOAM

Fire Fighting Procedures: WATER OR FOAM MAY CAUSE FROTHING. USE WATER TO COOL FIRE EXPOSED CONTAINERS. IF A LEAK OR SPILL HAS NOT BEEN IGNITED, USE WATER SPRAY TO DISPERSE THE VAPORS AND TO PROVIDE PROTECTION FOR PERSONS ATTEMPTING TO STOP THE LEAK.

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===== Accidental Release Measures =====

Spill Release Procedures: CONTAIN SPILL IF POSSIBLE. WIPE UP OR ABSORB ON SUITABLE MATERIAL AND

D SHOVEL UP.

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Handling and Storage  
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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:WARNING!! 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 HA

NDLING.DO NOT STORE IN OPEN OR UNLABELED CONTAINERS.

ETHYLENE GLYCOL BASE. ETHYLENE GLYCOL HAS PRODUCED BIRTH DEF ECTS IN RODENTS.

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

Ventilation:NORMAL.

Protective Gloves:CLEANSING EXPOSED SKIN AREAS.

Eye Protection:CHEMICAL TYPE GOGGLES OR FACE SHIELD

Other Protecti

ve Equipment:EXPOSED EMPLOYEES SHOULD EXERCISE REASONABLE PERSONAL CLEANLINESS; THIS INCLUDES CLEANSING EXPOSED SKIN AREAS SEVERAL TIMES DAILY WITH SOAP AND WATER, AND LAUNDERING OR DRY CLEANING SOILED WORK CLOTHING

Supplemental Safety and Health

PERMISSIBLE CONCENTRATIONS: AIR 10 MG/CUBIC METER FOR PARTICULATE MIST; 50 PPM (125 MG/CUBIC METER) CEILING LIMIT FOR ETHYLENE GLYCOL (ACGIH 1984-85).

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Physical/Chemical Properties  
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Boiling Pt:

=160.C, 320.F

Vapor Pres:18 MMHG

Vapor Density:2.14

Spec Gravity:1.127

Viscosity:21 CP @ 20 C

Solubility in Water:SOL

Appearance and Odor:GREEN/MILD GLYCOL

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Stability and Reactivity Data  
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STRONG OXIDIZERS.

Hazardous Decomposition Products:CARBON MONOXIDE AND CARBON DIOXIDE MAY BE FORMED ON BURNING IN LIMITED AIR SUPPLY.

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Disposal Considerations  
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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.

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