

PENRECO -- SONTEX ADDITIZED REFRIGERATED OIL- ALL GRADES

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

FSC: 9150  
NIIN: 01-384-7793  
MSDS Date: 12/01/1998  
MSDS Num: CKVSG  
Product ID: SONTEX ADDITIZED REFRIGERATED OIL- ALL GRADES (SUPPL DATA)  
MFN: 01  
Responsible Party  
Cage: 1X995  
Name: PENRECO  
Address: 4401 PARK AVE  
City:  
DICKINSON TX 77539-4744  
Info Phone Number: 713-337-1534  
Emergency Phone Number: 800-546-6040  
Resp. Party Other MSDS No.: 013695  
Proprietary Ind: Y  
Review Ind: Y  
Published: Y

=====  
Contractor Summary  
=====

Cage: 1X995  
Name: PENRECO  
Address: 4401 PARK AVE  
City: DICKINSON TX 77539-4744  
Phone: 713-337-1534  
Cage: OPGK2  
Name: SDB CONSULTANTS LTD  
Address: 401 WHITNEY AVE SUITE 120  
City: GRETNA LA 70056  
Phone: 504-366-9105  
Contract Number: SP0450-01-M-C284

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

Item Manager: S9G  
Item Name: LUBRICATING OIL,GENERAL PURPOSE  
Unit of Issue: GL  
UI Container Qty: 0  
Type of Container: CAN

=====  
Ingredients  
=====

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

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

IARC: NO

OSHA: NO

Effects of Exposure: EYE: MINIMALLY IRRITATING TO THE EYES. SKIN: PROLONGED OR REPEATED CONTACT MAY RESULT IN SLIGHT IRRITATION. INHALATION: THIS PRODUCT HAS LOW VAPOR PRESSURE AND IS NOT EXPECTED TO PRESENT AN INHALATION HAZARD AT AMBIENT CONDITIONS. CAUTION SHOULD BE TAKEN TO PREVENT AEROSOLIZATION OR MISTING OF THIS PRODUCT. INGESTION: RELATIVELY NON-TOXIC, BUT HAS ASPIRATION HAZARD.

Explanation Of Carcinogenicity: IARC HAS CONCLUDED THAT HIGHLY REFINED MINERAL OILS ARE GROUP 3 SUBSTANCES, "NOT CLASSIFIED AS TO THEIR CARCINOGENICITY TO HUMANS & ANIMALS. ALSO THIS SUBSTANCE IS NOT CARCINOGENIC ACCORDING TO OSHA HAZCOM STANDARD.

Signs And Symptoms Of Overexposure: EYE & SKIN: SLIGHT IRRITATION. INHALATION: EXPOSURE TO A LARGE SINGLE DOSE , OR REPEATED SMALL DOSES, ASPIRATION OR INGESTION LEADING TO ASPIRATION CAN LEAD TO LIPID PNEUMONIA OR LIPID GRANULOMA OF THE LUNG. SHORTNESS OF BREATH AND COUGH ARE MOST COMMON SYMPTOMS. INGESTION: ABDOMINAL CRAMPS AND DIARRHEA.

First Aid: EYE: IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER AND CONTINUE FLUSHING UNTIL IRRITATION SUBSIDES. IF MATERIAL IS HOT, TREAT FOR THERMAL BURNS AND TAKE VICTIM TO HOSPITAL IMMEDIATELY. SKIN: REMOVE CONTAMINATED CLOTHING. IF MATERIAL IS HOT, SUBMERGE INJURED AREA IN COLD WATER. IF VICTIM IS SEVERELY BURNED, REMOVE TO A HOSPITAL IMMEDIATELY.

=====  
Handling and Disposal  
=====

Spill Release Procedures: NOTIFY APPROPRIATE AUTHORITIES OF SPILL. CONTAIN SPILL IMMEDIATELY. DO NOT ALLOW SPILL TO ENTER SEWERS OR WATERCOURSES. REMOVE ALL SOURCES OF IGNITION. ABSORB WITH APPROPRIATE INERT MATERIAL SUCH AS SAND, CLAY, ETC. LARGE SPILLS MAY BE PICKED UP USING VACUUM PUMPS, SHOVELS, BUCKETS, OR OTHER MEANS AND PLACED IN DRUMS OR OTHER SUITABLE CONTAINERS.

Waste Disposal Methods: ALL DISPOSALS MUST COMPLY WITH FEDERAL, STATE, AND LOCAL REGULATIONS. THE MATERIAL, IF SPILLED OR DISCARDED, MAY BE A REGULATED WASTE. REFER TO STATE AND LOCAL REGULATIONS. CAUTION: IF REGULATED SOLVENTS ARE USED TO CLEAN UP SPILLED MATERIAL, THE RESULTING WASTE MIXTURE MAY BE REGULATED. DOT REGULATIONS MAY APPLY FOR TRANSPORTATION.

Handling And Storage Precautions: DO NOT TRANSFER TO UNMARKED CONTAINERS. STORE

IN CLOSED CONTAINER AWAY FROM HEAT, SPARKS, OPEN FLAME, OR OXIDIZING MATERIALS. FIRE EXTINGUISHERS SHOULD BE KEPT READILY AVAILABLE. SEE NFPA 30 & OSHA 19 10.106-FLAMMABLE AND COMBUSTIBLE LIQUIDS.  
Other Precautions: AVOID PROLONGED AND REPEATED CONTACT. AVOID GENERATING MIST OR AEROSOLIZATION.

=====  
Fire and Explosion Hazard Information  
=====

Flash Point Method: COC

Flash Point: >1  
71.1C, 340.F

Extinguishing Media: USE DRY CHEMICAL, FOAM, OR CARBON DIOXIDE.

Fire Fighting Procedures: WATER MAY BE INEFFECTIVE BUT CAN BE USED TO COOL CONTAINERS EXPOSED TO HEAT OR FLAME. CAUTION SHOULD BE EXERCISED WHEN USING WATER OR FOAM AS FROTHING MAY OCCUR, ESPECIALLY IF SPRAYED INTO CONTAINERS OF HOT, BURNING LIQUID.

Unusual Fire/Explosion Hazard: DENSE SMOKE MAY BE GENERATED WHILE BURNING, CARBON MONOXIDE, CARBON DIOXIDE, AND OTHER OXIDES MAY BE GENERATED AS PRODUCTS OF COMBUSTION.

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

Respiratory Protection: RESPIRATORY PROTECTION IS NOT REQUIRED UNDER CONDITIONS OF NORMAL USE. IF VAPOR OR MIST IS GENERATED WHEN HEATED OR HANDLED, USE AN ORGANIC VAPOR RESPIRATOR WITH A DUST AND MIST FILTER. ALL RESPIRATORS MUST BE NIOSH CERTIFIED. DO NOT USE COMPRESSED OXYGEN IN HYDROCARBON ATMOSPHERES.

Ventilation: IF VAPOR OR MIST IS GENERATED WHEN THE MATERIAL IS HEATED OR

HANDLED, ADEQUATE VENTILATION IN ACCORDING WITH GOOD ENGINEERING PRACTICE MUST BE PROVIDED.

Protective Gloves: NO SKIN PROTECTION IS REQUIRED FOR SINGLE, SHORT DURATION EXPOSURES.

Eye Protection: EYE PROTECTION IS NOT EXPECTED UNDER CONDITIONS OF NORMAL USE.

Other Protective Equipment: IF MATERIAL IS HANDLED SUCH THAT IT COULD BE SPLASHED INTO EYES, WEAR PLASTIC FACE SHIELD OR SPLASH-PROOF SAFETY GOGGLES. FOR PROLONGED OR REPEATED EXPOSURES, USE IMPERVIOUS CLOTHING & GLOVES.

Work Hygienic Practices: CONSUMPTION OF FOOD AND BEVERAGES SHOULD BE AVOIDED IN WORK AREAS WHERE HYDROCARBONS ARE PRESENT. ALWAYS WASH HANDS AND FACE WITH SOAP AND WATER BEFORE EATING, DRINKING, OR SMOKING.

Supplemental Safety and Health: CONT'D FROM PRODUCT ID:155LT-6543, 160LT-A,-1,-6546,-6548, 200LT-1, 6552. IF HANDLING HOT MATERIAL, USE INSULATED PROTECTIVE CLOTHING (BOOTS, GLOVES, APRONS, ETC).

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

I Properties

HCC: V6

Boiling Point: =282.2C, 540.F

Vapor Density: >1

Spec Gravity: 0.87 - 0.89

Solubility in Water: INSOLUBLE

Appearance and Odor: TRANSPARENT WATER WHITE FLUID; ODORLESS

Percent Volatiles by Volume: NIL

Reactivity Data

Stability Indicator: YES

Stability Condition To Avoid: NONE.

Materials To Avoid: MAY REACT TO STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products: DENSE SMOKE MAY BE GENERATED WHILE BURNING, CARBON MONOXIDE, CARBON DIOXIDE, AND OTHER OXIDES MAY BE GENERATED AS PRODUCTS OF COMBUSTION.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR.

Toxicological Information

Toxicological Information: THE PERMISSIBLE EXPOSURE LIMIT (PEL) AND THRESHOLD

LIMIT VALUE (TLV) FOR THIS PRODUCT AS OIL MIST IS 5 MG/M3. EXPOSURE BELOW 5 MG/M3 APPEAR TO BE WITHOUT SIGNIFICANT HEALTH RISK. THE SHORT EXPOSURE LIMIT FOR THIS PRODUCT AS AN OI MIST IS 10 MG/M3. THIS PRODUCT CONTAINS <2% BUTYLATED TRIPHENYL PHOSPHATE(TPP) WITH <1% TRIPHENYL PHOSPHATE. IN CONCENTRATED FORM, IT PRODUCED INHIBITION OF HEM PLASMA CH OLINESTERASE BUT NOT BRAIN NEUROTOXIC ESTERASE.LARGE QUANTITIES OF TPP HAS BEEN REPORTED TO INHIBIT PLASMA CHOLINESTERASE IN HUMANS & ANIMALS.

Ecological Information

MSDS Transport Information

Transport Information: THIS PRODUCT IS NOT CLASSIFIED AS HAZARDOUS UNDER DOT REGULATIONS

Regulatory Information

=====  
Sara Title III Information: THIS PRODUCT IS NOT KNOWN TO CONTAIN ANY SARA  
TITLE III, SEC 313 REPORTABLE CHEMICALS AT OR GEATER THAN 1.0% ( 0.1% FOR  
CARCINOGENS).  
=====

Other Information  
=====

=====  
Transportation Information  
=====

Responsible Party Cage: 1X995

Trans ID NO: 155242

Product ID: SONTEX ADDITIZED REFRIGERATED OIL- ALL GRADES (SUPPL DATA)

MSDS Prepared Date: 12/01/1998

Review Date: 11/03/2000

MFN: 1

Multiple KIT Number: 0

Unit Of Issue: GL

Container QTY: 0

Type Of Container: CAN  
=====

Detail DOT Information  
=====

DOT PSN Code: ZZZ

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
=====

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

IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION  
=====

Detail IATA Information  
=====

IATA PSN Code: ZZZ

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
=====

Detail AFI Information  
=====

=====  
AFI PSN Code: ZZZ

AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
=====

HAZCOM Label  
=====

Product ID: SONTEX ADDITIZED REFRIGERATED OIL- ALL GRADES (SUPPL DATA)

Cage: 1X995

Company Name: PENRECO

Street: 4401 PARK AVE

City: DICKINSON TX

Zipcode: 77539-4744

Health Emergency Phone: 800-546-6040

Label Required IND: Y

Date Of La

bel Review: 11/03/2000

Status Code: A

Year Procured: 2000

Origination Code: F

Signal Word: CAUTION

Health Hazard: None

Contact Hazard: Slight

Fire Hazard: Slight

Reactivity Hazard: None

Hazard And Precautions: MINIMALLY IRRITATING TO THE EYES & SKIN.

INHALATION:BECAUSE OF LOW VAPOR PRESSURE, NOT EXPECTED TO PRESENT AN  
INHALATION HAZARD AT AMBIENT CONDITIONS. CAUTION SHOULD BE TAKEN TO PREVENT  
AEROSOLIZATION OR MISTING OF THIS PRODUCT.INGESTION: RELATIVELY NON-TOXIC,  
BUT HAS ASPIRATI  
ON HAZARD. FIRST AID:EYE: IMMEDIATELY FLUSH EYES WITH LARGE  
AMOUNTS OF WATER AND CONTINUE FLUSHING UNTIL IRRITATION SUBSIDE S. IF  
MATERIAL IS HOT, TREAT FOR THERMAL BURNS AND TAKE VICTIM TO HOSPITAL  
IMMEDIATELY. SKIN: REMOVE CONTAMINATED CLOTHING. IF MATERIAL IS HOT, SUBMERGE  
INJURED AREA IN COLD WATER. IF VICTIM IS SEVERE LY BURNED, REMOVE TO A  
HOSPITAL IMMEDIATELY.

=====  
Disclaimer (provided with this information by the compiling agen  
cies): 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 instruct

ion 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.