

SUN CO INC -- HWY DIESEL 2 -- 9140-00-000-0184

===== Product Identification =====

Product ID:HWY DIESEL 2
MSDS Date:11/20/1998
FSC:9140
NIIN:00-000-0184
Status Code:A
MSDS Number: CJGRZ
=== Responsible Party ===
Company Name:SUN CO INC
Address:TEN PENN CENTER 1801 MARKET STREET
City:PHILADELPHIA (FORMALLY RADNOR)
State:PA
ZIP:19103-1699
Country:US
Info Phone Num:8009648861/CHEMTREC 18004249300
Em
ergency Phone Num:800-964-8861
Resp. Party Other MSDS Num.:R00000004600
Preparer's Name:JOANNE HOUCK
Chemtrec Ind/Phone:(800)424-9300
CAGE:78628

=== Contractor Identification ===

Company Name:SUN COMPANY INC
Address:1801 MARKET STREET
Box:City:PHILADELPHIA
State:PA
ZIP:19103-1699
Country:US
Phone:800-964-8861
CAGE:78628

===== Composition/Information on Ingredients =====

Ingred Name:FUELS, DIESEL, NO. 2
CAS:68476-34-6
= Wt:100.
Other REC Limits:TWA 100 PPM (MFR)
OSHA PEL:5 MG

/M3 (OIL MIST)
ACGIH TLV:5 MG/M3 (OIL MIST)

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS: EYE, SKIN, CENTAL
NERVOUS SYSTEM, RESPIRATORY AND GASTROINTESTINAL TRACTS (HMIS).
ACUTE - EYE: CONTACT WITH EYE MAY CAUSE MILD IRRITATION. SKIN:
ABSORPTION OF MATERIAL MAY PRODUCE SYSTE MIC TOXICITY. CONTAINS A

MATERIAL(S) WHICH HAS CAUSED SKIN TUMORS IN LAB ANIMALS. MAY CAUSE
SEVERE IRRITATION WITH PROLONGED OR REPEATED CONTACT. REMOVES
NATURAL OILS AND FATS FROM SKIN. INHALATION: EXCESSIVE EXPOSURE
TO MISTS OR VAPORS GENERATED BY HEAT MAY CAUSE IRRITATION TO
RESPIRATORY TRACT AND CNS DEPRESSION. INGESTION: HARMFUL OR FATAL
IF SWALLOWED. ASPIRATION HAZARD. CAN CAUSE LUNG DAMAGE . CHRONIC -
MAY CAUSE SEVERE TOXICITY.

Explanation of Carcinogenicity:WHOLE DIESEL ENGINE EXHAUST I

S
CLASSIFIED AS A PROBABLE CARCINOGEN (IARC 2A); IS REGARDED AS A
POTENTIAL CAUSE OF OCCUPATIONAL LUNG CANCER (NIOSH), PER MSDS..

Effects of Overexposure:TEARING, REDNESS, IRRITATION OF EYES; EDNESS,
BURNING, DRYING AND CRACKING OF SKIN; GASTROINTESTINAL IRRITATION
(NAUSEA, VOMITING, DIARRHEA), IRRITATION (NOSE, THROAT, RESPIRATROY
TRACT), DIZZINESS, D ROWSINESS, WEAKNESS, FATIGUE, HEADACHE,
UNCONSCIOUSNESS, COMA, AND DEATH.

Medical Cond Aggravated by Exposure:PERSONS WIT
H PRE-EXISTING SKIN

DISORDERS, EYE PROBLEMS OR IMPAIRED CENTRAL NERVOUS SYSTEM, OR
RESPIRATORY FUNCTION (ASTHMA-LIKE CONDITIONS) MAY BE MORE
SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid:INHALATION: MOVE PERSON TO FRESH AIR. IF NOT BREATHING, GIVE
ARTIFICIAL RESPIRATION. SEEK MEDICAL ATTENTION. EYE CONTACT: FLUSH
WITH WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS APART.
OBTAIN M EDICAL A

SSISTANCE. SKIN: WASH WITH SOAP AND WATER UNTIL NO ODOR REMAINS. IF REDNESS OR SWELLING DEVELOPS, OBTAIN MEDICAL ASSISTANCE. REMOVE SOAKED CLOTHING AND WASH BEFORE REUSE. DESTROY CONTAMINATED SHOES. INGESTION: DO NOT INDUCE VOMITING. DO NOT GIVE FLUIDS! DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. OBTAIN EMERGENCY MEDICAL ATTENTION. SMALL AMOUNTS ACCIDENTALLY ENTER MOUTH SHOULD BE RINSED OUT UNTIL TASTE IS GONE.

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

Flash Point Method:PMCC
Flash Point:>57.2C, 135.F
Autoignition Temp:=260.C, 500.F
Lower Limits:ND
Upper Limits:ND
Extinguishing Media:WATER SPRAY. REGULAR FOAM. DRY CHENICAL. CARBON DIOXIDE.
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS. WEAR STRUCTURAL FIREFIGHTERS PROTECTIVE CLOTHING.
Unusual Fire/Explosion Hazard:COMBUSTIBLE (FLASH POINT 100 TO 200F). COOL TANK/ CONTAINER. WATER OR FOAM MAY CAUSE FROTHING.

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

Spill Release Procedures:PREVENT IGNITION; STOP LEAK; VENTILATE AREA. CONTAIN SPILL. USE PERSONAL PROTECTIVE EQUIPMENT. ADVISE EPA; STATE AGENCY IF REQUIRED. ABSORB ON INERT MATERIAL. SHOVEL, SWEEP OR VACUUM SPILL.

===== Handling and Storage =====

Handling and Storage Precautions:KEEP AWAY FROM HEAT, SPARKS AND FLAME. KEEP CONTAINER TIGHTLY CLOSED. KEEP IN WELL VENTIALTED SPACE. NFPA CLASS IIIA STORAG
E. TRANSFER OPERATIONS MUST BE ELECTRICALLY GROUNDED TO DISSIPATE STATIC BUIL DUP.
Other Precautions:AVOID PROLONGED BREATHING OF VAPORS OR MISTS. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING AND BEFORE EATING, DRINKING, APPLYING COSMETIC OR USING TOILET FACILITIES. REMOVE CONTAMINATED CLOTHING PROMPTLY. LAUNDER BEFORE REUSE. KEEP OUT OF REACH OF CHILDREN.

===== Exposure Controls/Personal Protection =====

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Respiratory Protection:CONCENTRATION-IN-AIR DETERMINES PROTECTION NEEDED.USE ONLY NIOSH CERTIFIED RESPIRATORY PROTECTION. AIR PURIFYING RESPIRAOR WITH ORGANIC VAPOR CARTRIDGES IS ACCETABLE TO 50 TIMES THE EXPOSURE LIMIT. US E A POSITIVE PRESSURE-DEMAND FULL-FACE SUPPLIED AIR RESPIRATOR OR SCBA FOR EXPOSURE ABOVE 50X THE EXPOSURE LIMIT OR IF EXPOSURE LEVELS ARE UNKNOWN..

Ventilation:USE ONLY WITH ADEQUATE VENTILATION. LOCAL EXHAUST VENITLATION RECOMMENDED

Protective G

loves:POLYVINYL CHLORIDE (PVC), NEOPRENE, NITRILE, POLYVINYL ALCOHOL, VITON

Eye Protection:SPLASH PROOF CHEMICAL GOGGLES OR FULL FACE SHIELD

Other Protective Equipment:WEAR CHEMICAL RESISTANT CLOTHING; POLYVINYL ALCOHOL(PVA), POLYVINYL CHLORIDE(PVC), PEOPRENE, NITRILE, POLYURETHANE. SAFETY SHOWER AND EYE WASH AVAILABILITY IS RECOMMENED.

Work Hygienic Practices:LAUNDER SOILED CLOTHES

Supplemental Safety and Health

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

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HCC:F4

Boiling Pt:>198.9C, 390.F

B.P. Text:390-600

Vapor Pres:1.6 MM HG @ 20 C

Vapor Density:8 (AIR=1)

Spec Gravity:0.87

Viscosity:1.9 CST @ 40 DEG C/104F

Evaporation Rate & Reference:(ETHYL ETHER=1) 600X SLOW

Solubility in Water:NIL

Appearance and Odor:LIGHT AMBER LIQUID, KEROSENE-LIKE ODOR

Percent Volatiles by Volume:100

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS.

Stability Condition to Avoid:HEAT,

SPARKS AND OPEN FLAME.

Hazardous Decomposition Products:COMBUSTION WILL PRODUCE CARBON MONOXIDE, CARBON DIOXIDE AND OTHER ASPHYXIANTS

Conditions to Avoid Polymerization:WILL NOT OCCUR

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

Toxicological Information:OVEREXPOSURE TO VAPORS OR EXHAUST FUMES MAY CAUSE HEADACHE, NAUSEA, EYE, NOSE, THROAT, RESPIRATORY IRRITATION. HIGH VAPOR CONCENTRATIONS MAY CAUSE CNS (BRAIN) EFFECTS, RESPIRATORY FAILURE, COMA, DEATH .

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

Ecological:NO DATA AVAILABLE.

===== Disposal Considerations =====

Waste Disposal Methods:FOLLOW LOCAL, STATE, AND FEDERAL REGULATIONS. RCRA HAZARDOUS WASTE. DO NOT FLUSH TO DRAIN/ STORM SEWER. CONTRACT TO AUTHORIZED DISPOSAL SERVICE.

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

Transport Information:

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

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Federal Regulatory Information:THIS PRODUCT OR ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TOXIC SUBSTANCE CONTROL ACT (TSCA) CHEMICAL SUBSTANCE INVENTORY.

State Regulatory Information:

===== Other Information =====

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