

APEX OIL CO -- NO.2 FUEL OIL -- 9140-00-000-0184

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

Product ID:NO.2 FUEL OIL

MSDS Date:01/01/1987

FSC:9140

NIIN:00-000-0184

MSDS Number: BTVWF

=== Responsible Party ===

Company Name:APEX OIL CO

Address:8182 MARYLAND AVE

City:ST. LOUIS

State:MO

ZIP:63105-3506

Country:US

Info Phone Num:314-889-9600

Emergency Phone Num:314-889-9600/800-424-9300(CHEMTREC)

CAGE:8P125

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= Contractor Identification ===

Company Name:APEX OIL CO

Address:8182 MARYLAND AVE

Box:City:ST. LOUIS

State:MO

ZIP:63105-3506

Country:US

Phone:800-424-9300/314-889-9600

CAGE:8P125

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

Ingred Name:NO.2 FUEL OIL(COMPLEX MIXTURE OF
PARAFINIC,OLEFINIC,NAPHTHENIC HC + FUSED POLYCYCLIC HC (10 &HI) AS
BENZEN SOLUBLES.)

CAS:68476-30-2

RTECS #:LS8930000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

Ingred Name:POLYCYCLIC

HYDROCARBONS, CAS# 8007-45-2.
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 RAT = 14500MG/KG(NIOSH RTECS 85-86)
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE:MIST/VAPOR MAY CAUSE RESP TRACT
IRRIT, CNS DEPRESS. INGEST:IRRIT, CNS DEPRESS, COMA, DEATH.
SKIN:DERM,DIRECT CONTACT MAY CAUSE EXTREME IRRIT W/SEVER
E ERYTHEMS
& EDEME W/BLISTERING & OPEN SORES. EYE:IRRIT IS POSSIBLE BUT
ANIMAL STUDIES INDICATE IT UNLIKELY.CHRONIC:RENAL
FAILURE,DEGENERATIVE CHANGES OF LIVER/KIDNEY

Effects of

Overexposure:INHAL:GIDDINESS,HEAD,DIZZ,NAU,VOMIT,INCOORDINATION,NAR
COSIS,STUPOR,COMA,UNCONSC,WT LOSS,ANEMIA,WEAKNESS,NERVOUSNESS,RENAL
FAILURE,PAINS IN LIMBS,PERIPHERAL NUMBNESS,PARESTHESIAS.
INGEST:IRRIT GIDDINES S,VERTIGO,HEADACHE,ANESTHETIC STUPOR,CNS
DEPRESS,COMA,DEATH. SKIN:DRYING,CR
ACKING,DERM,NARCOSIS,RASH OF
PIMPLES & SPOTS.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MFG.

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

First Aid:INHAL:REMOVE TO FRESH AIR.STOP BREATH GIVE ARTIF RESP.KEEP
WARM/REST. INGEST:DO NOT INDUCE VOMIT.IF INGEST>1MG/KG REMOVE BY
GASTRIC LAVAGE BY QUALIF MED PERSONNEL.IF VOMIT KEEP HEAD LOWER
THAN HIPS TO PREVENT PULM ASPIRATION.STOP VOMIT GIVE 30-60ML
FLEET'S PHOSPHO-SODA DILUTED 1:4 W/WATER. SK
IN:REMOVE CONTAMIN
CLOTH.WIPE OFF EXCESS W/DRY CLOTH.WASH W/SOAP OR MILD DETERGENT &
LG AMTS WATER 15-20MIN

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

Flash Point Method:TCC
Flash Point:100F,38C
Autoignition Temp:Autoignition Temp Text:>500F
Lower Limits:0.6
Upper Limits:7.5
Extinguishing Media:FOAM, CARBON DIOXIDE, DRY CHEMICAL, FOR LARGER
FIRES USE WATER SPRAY, FOG OR FOAM.
Fire Fighting Procedures:USE SUPPLIED-AIR BREATHING EQPMT FOR ENCLOSED
AREAS.

COOL EXPOSED CONTAINERS W/WATER SPRAY.CONTINUE WATER SPRAY
TIL ENTIRE CONTAINER CONTENTS ARE COOL.(SEE SUPP)
Unusual Fire/Explosion Hazard:DO NOT MIX/STORE W/STRONG OXIDANTS NOR
STORE/POUR NEAR IGN SOURCES.DO NOT PRESS/CUT/HEAT/WELD/EXPOSE EMTPY
CNTNRS TO IGN SOURCES.VAP HEAVY & TRAVEL & FLASHBACK.

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

Spill Release Procedures:SUT OFF IGN SOURCES.ISOLATE HAZ AREA &
RESTRICK ENTRYL.SM:TAKE UP W/SAND/OTHER ABSORBENT
MATL.PLACE INTO
CONTNRS.LG:DIKE FAR AHEAS TO PREVENT ENTRANCE INTO WATER COURSES
&/OR GROUND WATER.OBSERVE LOC/ STATE/FED GOVRT SPILL & WATER
QUALITY REGS.
Neutralizing Agent:NONE SPECIFIED BY MFG.

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

Handling and Storage Precautions:AVOID EXCESSIVE INHALATION OR SKIN
CONTACT. ISOLATE FROM SOURCES OF IGNITION.
Other Precautions:NONE SPECIFIED BY MFG.

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

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Respiratory Protection:MASK W/ORGANIC VAPOR CARTRIDGE IS RECOMMENDED.
USE POSITIVE PRESSURE AIR-SUPPLIED ON SCBA IN THE EVENT OF A LARGE
SPILL.
Ventilation:LOC EXHAUST:INDOORS USE LAB HOOD.OUTDOORS WORK UPWIND.MECH
(GEN) RECOMMENDED FOR USE IN ENCLOSED/SEMIENCLOSED WORK AREA.
Protective Gloves:NEOPRENE, PVC.
Eye Protection:SPLASH GOGGLES,SAF GLASSES W/SIDESHIELDS
Other Protective Equipment:EMPLOYEE MUST WEAR APPROPRIATE IMPERVIOUS
CLOTHING & EQPMT TO PREVENT REPEATED/PROLON
GED SKIN CONTACT W/THIS
SUBSTANCE.
Work Hygienic Practices:WASH HANDS AFTER HANDLING & PRIOR TO
EAT/SMOKE/DRINK.LAUNDER CONTAMIN CLOTHING PRIOR TO REUSE.DO NOT
SMOKE IN WORK AREA.
Supplemental Safety and Health
W/D IMMED IN CASE OF RISING SOUND FROM VENTING SAFETY DEVICE OR ANY
DISCOLORATION OF STORAGE TANK DUE TO FIRE(SUBJECT TO FIRE CHIEF'S
DIRECTIONS). 1STAID EYE:FLUSH IMMED W/COPIOUS AMTS OF WATER LIFTIN
G EYELIDS 15-20MINS.IN ALL CASES GET MED ATTN.

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== Physical/Chemical Properties =====

HCC:F4

Boiling Pt:B.P. Text:350F,177C

Vapor Pres:1MM @68F

Vapor Density:>5

Spec Gravity:0.9

Evaporation Rate & Reference:>10, BUTAC=1

Solubility in Water:INSOLUBLE.

Appearance and Odor:BROWN, SLIGHTLY VISCOUS LIQUID.

Percent Volatiles by Volume:>50

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

Stability Indicator/Materials to Avoid:YES

MAY REACT WHEN EXPOSED TO OXIDIZING MATERIALS.

Stability Condition to Avoid:MAY

BE IGNITED BY HEAT/SPARKS/FLAME.VAP

MAY TRAVEL TO IGNITION SOURCES & FLASHBACK.VAP EXPLO HAZ

INDOORS/OUTDOORS/SEWERS

Hazardous Decomposition Products:THERM DECOMP MAY RELEASE VARIOUS

HYDROCARBONS & HDROCARBON DERIVATIVES INCLUDING C02, WATER, ORGANIC

ACIDS, & ALDEHYDES.

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

Waste Disposal Methods:UNDER EPA RCRA IF PRODUCT BECOMES A WASTE MATL
INTENDED FOR DISOSAL & HAS FLASH POINT