

EXXON COMPANY U.S.A. -- ISOPAR M ;PRODUCT CODE:133468-00635 -- 6850-01-377-1808  
===== Product Identification =====

Product ID:ISOPAR M ;PRODUCT CODE:133468-00635

MSDS Date:09/19/2000

FSC:6850

NIIN:01-377-1808

Status Code:A

MSDS Number: CLBHQ

=== Responsible Party ===

Company Name:EXXON COMPANY U.S.A.

Box:2180

City:HOUSTON

State:TX

ZIP:77252-2180

Country:US

Info Phone Num:713-656-5949 / 713-656-34

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Emergency Phone Num:(BAYTOWN) (281) 834-3296

Chemtrec Ind/Phone:(800)424-9300

CAGE:29700

=== Contractor Identification ===

Company Name:EXXON COMPANY U.S.A.

Box:2180

City:HOUSTON

State:TX

ZIP:77252-2180

Country:US

Phone:713-656-5949 / 713-656-3424

CAGE:29700

Company Name:PHOENIX INDUSTRIES INC

Address:1519 CHAMBERLAYNE PARKWAY

Box:City:RICHMOND

State:VA

ZIP:23222

Country:US

Phone:804-264-5183/FAX: 264-5535

Contract Num:SP0450-01-M-D886

CAGE:0YED2

===== Composition/Information on Ing

redients =====

Ingred Name: DISTILLATES (PETROLEUM), HYDROTREATED LIGHT (CONSISTS  
PREDOMINANTLY OF C12-C15 ISOPARAFFINIC HYDROCARBONS)

CAS: 64742-47-8

RTECS #: OA5504000

= Wt: 100.

Other REC Limits: 1200MG/M3, 152 PPM(8)

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

LD50 LC50 Mixture: ORAL, RAT, LD50: >5G/KG

Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES

Health Hazards Acute and Chronic: HEALTH STUDIES HAVE SHOWN THAT MANY  
PETROLEUM HYDROCARBONS AND SYNTHETIC LUBRICANTS POSE POTENTIAL

HUMAN HEALTH RISKS WHICH MAY VARY FROM PERSON TO PERSON. AS A  
PRECAUTION, EXPOSURE TO LIQUIDS, VAPORS, MISTS, OR FUMES SHOULD BE  
MINIMIZED. EYES: MAY CAUSE IRRITATION. PROLONGED OR REPEATED SKIN  
CONTACT WITH THIS PRODUCT TENDS TO REMOVE SKIN OILS, POSSIBLY  
LEADING TO IRRITATION AND DERMATITIS; HOWEVER, BASED ON HUMAN  
EXPERIENCE AND AVAILABLE TOXICOLOGICAL DATA, THIS PRODUCT IS JUDGED  
TO BE NEITHER A "CORROSIVE" NOR AN "IRRITANT" BY

OSHA CRITERIA.

Effects of Overexposure: HIGH VAPOR CONCENTRATIONS (GREATER THAN  
APPROXIMATELY 700 PPM, ATTAINABLE AT ELEVATED TEMPERATURES WELL  
ABOVE AMBIENT) ARE IRRITATING TO THE EYES AND THE RESPIRATORY  
TRACT, AND MAY CAUSE HEADACHES, DIZZINESS, ANESTHESIA, DROWSINESS,  
UNCONSCIOUSNESS, AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS,  
INCLUDING DEATH.

Medical Cond Aggravated by Exposure: PETROLEUM SOLVENTS/PETROLEUM  
HYDROCARBONS-SKIN CONTACT MAY AGGRAVATE AN EXISTING DERMATITIS.

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

First Aid: EYE CONTACT: FLUSH WITH WATER FOR 15 MINS OR UNTIL IRRITATION  
SUBSIDES. IF IRRITATION PERSISTS, CALL A PHYSICIAN. SKIN CONTACT:  
REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH SOAP AND WATER.  
LAUNDRY CLOTHING BEFORE REUSE. IF PRODUCT IS INJECTED INTO OR  
UNDER SKIN, OR INTO ANY PART OF BODY, REGARDLESS OF APPEARANCE OF  
WOUND OR ITS SIZE, INDIVIDUAL SHOULD BE EVALUATED IMMEDIATELY BY A  
PHYSICIAN.

AN AS A SURGICAL EMERGENCY. EVEN THOUGH INITIAL SYMPTOMS FROM HIGH PRESSURE INJECTION MAY BE MINIMAL OR ABSENT, EARLY SURGICAL TREATMENT WITHIN THE FIRST FEW HOURS MAY SIGNIFICANTLY REDUCE THE (CONTD. SEE " TOXICOLOGICAL")

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

Flash Point Method:PMCC

Flash Point:=80.6C, 177.F

(MINIMUM)

Autoignition Temp:=254.C, 489.2F

Autoignition Temp Text:APPROX

Lower Limits:1.3%

Upper Limits:8.8%

Extinguishing Media:FOAM, WATER S

PRAY (FOG), DRY CHEMICAL, CARBON

DIOXIDE, AND VAPORIZING LIQUID TYPE EXTINGUISHING AGENTS.

Fire Fighting Procedures:"WATER MAY BE INEFFECTIVE", BUT SHOULD BE USED TO KEEP FIRE-EXPOSED CONTAINERS COOL. IF LEAK OR SPILL HAS IGNITED, USE WATER SPRAY TO DISPERSE VAPORS AND PROTECT PERSONS ATTEMPTING TO STOP LEAK. WATER SPRAY MAY BE USED TO FLUSH SPILLS FROM EXPOSURES. MINIMIZE BREATHING OF GASES, VAPOR, FUMES OR DECOMPOSITION PRODUCTS.

Unusual Fire/Explosion Hazard:USE SUPPL

IED-AIR BREATHING EQUIPMENT FOR

ENCLOSED OR CONFINED SPACES OR AS OTHERWISE NEEDED. IN CASE OF INCOMPLETE COMBUSTION FUMES, SMOKE, CARBON MONOXIDE, SULFUR OXIDES, ALDEHYDES AND OTHER DECOMPOSITION PRODUCTS MAY BE FORMED.

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

Spill Release Procedures:SHUT OFF AND ELIMINATE IGNITION SOURCES. KEEP PEOPLE AWAY. RECOVER FREE PRODUCT. ADD SAND, EARTH, OR OTHER ABSORBENT TO SPILL AREA. MINIMIZE BREATHING VAPORS AND S

KIN

CONTACT. VENTILATE CONFINED SPACE S. OPEN ALL WINDOWS AND DOORS.

KEEP PRODUCT OUT OF SEWERS AND WATERCOURSES BY DIKING OR IMPOUNDING. ADVISE AUTHORITIES IF PRODUCT HAS ENTERED OR MAY ENTER SEWERS, (CONTD. SEE" ECOLOGICAL")

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

Handling and Storage Precautions:PRODUCT GIVES OFF INVISIBLE VAPORS.

EITHER THE LIQUID OR VAPOR MAY SETTLE IN LOW AREAS OR TRAVEL SOME DISTANCE ALONG GROUND OR SURFACE TO IGNITION

SOURCES AND IGNITE OR

EXPLODE. KEEP PRODUCT AWAY FROM IGNITION SOURCES, SUCH AS HEAT, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY, AND OPEN FLAMES.

Other Precautions:"EMPTY" CONTAINERS RETAIN RESIDUE (LIQUID AND/OR VAPOR) AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAMES, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. (CONTD. SEE "REGULATORY STATE")

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

Respiratory Protection:USE SUPPLIED-AIR RESPIRATORY PROTECTION IN CONFINED OR ENCLOSED SPACES, IF NEEDED.

Ventilation:USE ONLY WITH VENTILATION SUFFICIENT TO PREVENT EXCEEDING RECOMMENDED EXPOSURE LIMIT OR BUILDUP OF EXPLOSIVE CONCENTRATIONS OF VAPOR IN AIR.

Protective Gloves:USE CHEMICAL-RESISTANT GLOVES TO AVOID PROLONGED OR REPEATED SKIN CONTACT.

Eye Protection:USE SPLASH GOGGLES OR FACE SHIELD IF EYE CONTACT MAY OCCUR.

Other Protective Equipment:USE CHEMICAL-RESISTANT APRON OR OTHER IMPERVIOUS CLOTHING, IF NEEDED, TO AVOID CONTAMINATING REGULAR CLOTHING, WHICH COULD RESULT IN PROLONGED OR REPEATED SKIN CONTACT.

Work Hygienic Practices:TO PREVENT FIRE OR EXPLOSION RISK FROM STATIC ACCUMULATION AND DISCHARGE, EFFECTIVELY BOND AND/OR GROUND PRODUCT TRANSFER SYSTEM IN ACCORDANCE WITH NATIONAL FIRE PROTECTION ASSOCIATION PUBLICATIONS.

Supplemental Safety and Health

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

HCC:V4

Boiling Pt:=218.C, 424.4F

B.P. Text:(424F TO 484F)

Vapor Pres: