ITEM: 2RV31 - Mobilux EP 2 EP Grease NLGI 2 13.7

PICK REO: 1435637803 SAFETY DATA SHEET (SDS) sps: D6085 SKIN CONTACT:
WASH CONTACT AREAS WITH SOAP AND WATER. IF PRODUCT IS INJECTED INTO OR
UNDER THE SKIN, OR INTO ANY PART OF THE BODY, RESARCLESS OF THE APPEARANCE
OF THE WOUND OR ITS SIZE, THE INDIVIDUAL SHOULD BE EVALUATED IMPOLATELY
BY A PHYSICIAN AS A SURGICAL EMERGENCY. EVEN THOUGH INITIAL SYMPTOMS FROM
HIGH PRESSURE INJECTION MAY BE MINIMAL OR ABSENT, FARILY SURGICAL TREATMENT
WITHIN THE FIRST FEW HOURS MAY SIGNIFICANTLY REDUCE THE ULTIMATE EXTENT OF
INJURY. Associated Items 2RV31, 5NJT9 EXXONMOBIL PRODUCT NAME: MOBILUX EP 2 REVISION DATE: 28 JUL 2015 EYE CONTACT:
FLUSH THOROUGHLY WITH WATER. IF IRRITATION OCCURS, GET MEDICAL ASSISTANCE. SAFETY DATA SHEET FIRST AID IS NORMALLY NOT REQUIRED. SEEK MEDICAL ATTENTION IF DISCOMFORT OCCURS. - SECTION 1 PRODUCT AND COMPANY IDENTIFICATION PRODUCT: - SECTION 5 FIRE FIGHTING MEASURES . PRODUCT NAME: MOBILUX EP 2 EXTINGUISHING MEDIA: PRODUCT DESCRIPTION: BASE OIL AND ADDITIVES APPROPRIATE EXTINGUISHING MEDIA: USE WATER FOG, FOAM, DRY CHEMICAL OR CARBON DICKIDE (CO2) TO EXTINGUISH PRODUCT CODE: 2015A0208050, 641274-00, 970717 INTENDED USE: GREASE INAPPROPRIATE EXTINGUISHING MEDIA: STRAIGHT STREAMS OF WATER COMPANY IDENTIFICATION: FIRE FIGHTING SUPPLIES: EXXON MOBIL CORPORATION 22777 SPRINGWOODS VILLAGE PARKWAY SPRING, TX. 77253 FIRE FIGHTING INSTRUCTIONS:
EVACUATE AREA. FREVENT RINGEF FROM FIRE CONINCI OR DILUTION FROM ENTERING
STREAMS, SENERS, OR DEFINIONG WATER SUPPLY. FIREFIGHTERS SHOULD USE STANDARD
PROJECTIVE EQUILMENT AND IN ENCLOSED SPACES, SELF-CONTAINED BREATHING
APPARATUS (SCEA). USE WATER SERAY TO COOL FIRE EXPOSED SUFFACES AND TO
PROJECT PERSONNEL. 24 HOUR HEALTH EMERGENCY: 609-737-4411 HAZARDOUS COMBUSTION PRODUCTS: ALDEHYDES, INCOMPLETE COMBUSTION PRODUCTS, OXIDES OF CARBON, SMOKE, FUME, SULFUR OXIDES TRANSPORTATION EMERGENCY PHONE: 800-424-9300 OR 703-527-3887 CHEMITEC PRODUCT TECHNICAL INFORMATION: 800-662-4525 MSDS INTERNET ADDRESS: HTTP://WWW.EXXON.COM HTTP://WWW.MOBIL.COM 1 图 2 1 - 1 FLAMMABILITY PROPERTIES: FLASH POINT [METHOD]: >204 DBG. C (400 DBG. F) [EST. FOR OIL, ASTM D-92 (CCC)] - SECTION 2 HAZARDS IDENTIFICATION -FLAMMABLE LIMITS (APPROXIMATE VOLUME % IN ATR): LEL: N/D UEL: N/D THIS MATERIAL IS NOT HAZARDOUS ACCORDING TO REGULATORY GUIDELINES (SEE (M) SDS SECTION 15) AUTOIGNITION TEMPERATURE: N/D OTHER HAZARD INFORMATION: HAZARD NOT OTHERWISE CLASSIFIED (HNOC): NONE AS DEFINED UNDER 29 CFR 1910.1200. - SECTION 6 ACCIDENTAL RELEASE MEASURES NOTIFICATION PROCEDURES: NOTIFICATION PROCEDURES:
IN THE EVENT OF A SPILL OR ACCIDENTAL RELEASE, NOTIFY RELEVANT AUTHORITIES
IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS. US REGULATIONS RESQUIRE
REPORTING RELEASES OF THIS NATERIAL TO THE ENVIRONMENT WHICH EXCEED THE
APPLICABLE REPORTABLE CUANITY OR OIL SPILLS WHICH COULD REACH ANY WADERWAY
INCLIDING INTERNITIENT BAY CREEKS. THE NATIONAL RESPONSE CENTER CAN BE
REACHED AT (800) 424-8802. PHYSICAL / CHEMICAL HAZARDS: NO SIGNIFICANT HAZARDS. HEALITH HAZARDS: HIGH-PRESSURE INJECTION UNDER SKIN MAY CAUSE SERIOUS DAMAGE. EX EXPOSURE MAY RESULT IN EYE, SKIN, OR RESPIRATORY IRRITATION. EXCESSIVE ENVIRONMENTAL HAZARDS: NO SIGNIFICANT HAZARDS. PROTECTIVE MEASURES: NFPA HAZARD ID: PROJECTIVE PRESURES:
AVOID CONTACT WITH SPILLED MATERIAL. SEE SECTION 5 FOR FIRE FIGHTING
INFORMATION. SEE THE HAZARD IDENTIFICATION SECTION FOR ADVICE ON THE MINIMUM
SEE SECTION 4 FOR FIRST AND ADVICE, SEE SECTION 8 FOR ADVICE ON THE MINIMUM
REQUIREMENTS FOR PERSONAL PROTECTIVE BOUTEMENT. ADDITIONAL PROTECTIVE
MEASURES MAY BE NECESSARY, DEPENDING ON THE SPECIFIC CIRCUMSTANCES AND/OR
THE EXPERT JUDGMENT OF THE EMERGENCY RESPONDERS. HEALTH 0 FLAMMABILITY 1 REACTIVITY HMIS HAZARD ID: HEALTH 0 FLAMMABILITY 1 FOR EMERGENCY RESPONDERS:
RESPIRATORY PROTECTION: RESPIRATORY PROTECTION WILL BE NECESSARY ONLY IN
SPECIAL CASES, E.G., FORWATION OF MISTS. HALF-FACE OR FULL-FACE RESPIRATOR,
WITH FILITER(S) FOR DUST/ORGANIC VAROR OR SELF CONVAINDED BEFARINE APPRAPATUS
(SCBA) CAN BE USED DEPENDING ON THE SIZE OF SPILL AND POTENTIAL LEVEL OF
EXCOURE. IF THE EXPOSURE CANNOT BE COMPLETELY CHARACTERIZED OR AN OXYGEN
DEFTCIENT ATMOSPHERE IS POSSIBLE OR AMTICIPATED, SCBA IS RECOMMENDED, WORK
GLOVES THAT ARE RESISTANT TO HYDROCARBONS ARE RECOMMENDED, GLOVES MADE OF
FOLLYVINYL ACEITATE (FVA) ARE NOT WATER-RESISTANT AND ARE NOT SUITABLE FOR
EMERGENCY USE, CHEMICAL GOGGLES ARE RECOMMENDED IF SPLASHES OR CONTACT WITH
EYES IS POSSIBLE. THIS MATERIAL SKOULD NOT BE USED FOR ANY OTHER PURPOSE THAN THE INTENDED USE IN SECTION 1 WITHOUT EXPERT ADVICE, HEALTH STUDIES HAVE SKOWN THAT CHEMICAL EXPOSURE MAY CAUSE POTENTIAL HUMAN HEALTH RISKS WHICH MAY VARY FROM PERSON TO PERSON. - SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS THIS MATERIAL IS DEFINED AS A MIXTURE. SMALL SPILLS: NORMAL ANTISTATIC WORK CLOTHES ARE USUALLY ADBOLATE HAZARDOUS SUBSTANCE(S) OR COMPLEX SUBSTANCE(S) REQUIRED FOR DISCLOSURE: LARGE SPILLS:
FULL BODY SUIT OF CHEMICAL RESISTANT, ANTISTATIC MATERIAL IS RECOMMENDED. NAME CAS# CONCENTRATION* GHS HAZARD CODES SPITI, MANAGEMENT: PHOSPHORIC ACID ESTERS, 61188-14-5 0.1 - <1% H318, H401, H411 ALLOW SPILLED MATERIAL TO SOLIDIFY AND SCRAPE UP WITH SHOVELS INTO A SUITABLE CONTAINER FOR RECYCLE OR DISPOSAL. SCRAPE UP SPILLED MATERIAL WITH SHOVELS INTO A SUITABLE CONTAINER FOR RECYCLE OR DISPOSAL. 68649-42-3 1 - <2.5% ZINC DITHUOPHOSPHATE H318, H401, H315, H H411 * ALL CONCENTRATIONS ARE PERCENT BY WEIGHT UNLESS MATERIAL IS A GAS. GAS CONCENTRATIONS ARE IN PERCENT BY VOLUME. WATER SPILL: STOP LEAK IF YOU CAN DO IT WITHOUT RISK, CONFINE THE SPILL IMMEDIATELY WITH BOOMS. WARN OTHER SHIPPING, SKIM FROM SURFACE. AS PER PARAGRAPH (I) OF 29 CFR 1910.1200, FORMULATION IS CONSIDERED A TRADE SECRET AND SPECIFIC CHEMICAL IDENTITY AND EXACT PERCENTAGE (CONCENTRATION) OF COMPOSITION MAY HAVE BEEN WITHHELD. SPECIFIC CHEMICAL IDENTITY AND EXACT PERCENTAGE COMPOSITION WILL BE PROVIDED TO HEALTH PROFESSIONALS, EMPLOYEES, OR DESIGNATED REPRESENTATIVES IN ACCURANCE WITH APPLICABLE PROVISIONS OF PARAGRAPH (I). WATER SPILL AND LAND SPILL RECOMMENDATIONS ARE BASED ON THE MOST LIKELY SPILL SCENARIO FOR THIS MATERIAL; HOWEVER, GEOGRAPHIC CONDITIONS, WIND, TEMPERATURE, (AND IN THE CASE OF A WATER SPILL) WAVE AND CURRENT DIRECTION AND SPEED MAY GREATLY INFLUENCE THE APPROPRIATE ACTION TO BE TAKEN. FOR THIS REASON, LOCAL EXPERTS SHOULD BE CONSULTED. NOTE: LOCAL REGULATIONS MAY PRESCRIBE OR LIMIT ACTION TO BE TAKEN.

SECTION 4 FIRST AID MEASURES -

UNDER NORMAL CONDITIONS OF INTENDED USE, THIS MATERIAL IS NOT EXPECTED TO BE AN INHALATION HAZARD.

ENVIRONMENTAL PRECAUTIONS: PREVENT ENTRY INTO WATERWAYS, SEMERS, BASEMENTS OR CONFINED AREAS.

SECTION 7 HANDLING AND STORAGE

HANDLING: PREVENT SMALL SPILLS AND LEAKAGE TO AVOID SLIP HAZARD. STATIC ACCUMULATOR: THIS MATERIAL IS NOT A STATIC ACCUMULATOR. STORAGE: DO NOT STORE IN OPEN OR UNLABELLED CONTAINERS.

- SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION -

NOTE: LIMITS/STANDARDS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

NO BIOLOGICAL LIMITS ALLOCATED.

ENGINEERING CONTROLS:
THE LEVEL OF PROTECTION AND TYPES OF CONTROLS NECESSARY WILL VARY DEPENDING UPON POTENTIAL EXPOSURE CONDITIONS.

CONTROL MEASURES TO CONSIDER: DPCIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE AND WITH ADEQUATE VENITLATION.

PERSONAL PROTECTION:
PERSONAL PROTECTIVE EQUIPMENT SELECTIONS VARY BASED ON POTENTIAL EXPOSURE
CONDITIONS SUCH AS APPLICATIONS, HANDLING PRACTICES, CONCENTRATION AND
VENTILATION. INFORMATION ON THE SELECTION OF PROTECTIVE EQUIPMENT FOR USE
WITH THIS MATERIAL, AS PROVIDED BELOW, IS BASED UPON INTENDED, NORMAL

RESPIRATORY PROTECTION:
IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONTAMINANT CONCENTRATIONS
AT A LEVEL WHICH IS ADEQUATE TO PROTECT WORKER HEALTH, AN APPROVED
RESPIRATOR MAY BE APPROPRIATE. RESPIRATOR SELECTION, USE, AND MAINTENANCE
MUST BE IN ACCORDANCE WITH REGULATORY REQUIREMENTS, IF APPLICABLE.

TYPES OF RESPIRATORS TO BE CONSIDERED FOR THIS MATERIAL INCLUDE: NO PROTECTION IS ORDINARILY REQUIRED UNDER NORMAL CONDITIONS OF USE AND WITH ADEQUATE VENTILATION.

FOR HIGH AIRBORNE CONCENTRATIONS, USE AN APPROVED SUPPLIED-AIR RESPIRATOR, OPERATED IN POSITIVE PRESSURE MODE. SUPPLIED AIR RESPIRATORS WITH AN ESCAPE BOITLE MAY BE APPROPRIATE WHEN OXYGEN LEVELS ARE INADEQUATE, GAS/VAPOR MARNING PROPERTIES ARE POOR, OR IF AIR PURIFYING FILTER CAPACITY/RATING MAY BE EXCEEDED.

HAND PROJECTION:

ANY SPECIFIC GLOVE INFORMATION PROVIDED IS BASED ON PUBLISHED LITERATURE
AND GLOVE MANUFACTURER DATA: GLOVE SUITABILITY AND BREAKTHROUGH TIME WILL
DIFFER DEPENDING ON THE SPECIFIC USE CONDITIONS. CONTACT THE GLOVE
MANUFACTURER FOR SPECIFIC ADVICE ON GLOVE SELECTION AND BREAKTHROUGH TIMES
FOR YOUR USE CONDITIONS. INSPECT AND REPLACE WORN OR DAMAGED GLOVES.

THE TYPES OF GLOVES TO BE CONSIDERED FOR THIS MATERIAL INCLUDE: NO PROTECTION IS ORDINARILY REQUIRED UNDER NORMAL CONDITIONS OF USE.

IF CONTACT IS LIKELY, SAFETY GLASSES WITH SIDE SHIELDS ARE RECOMMENDED.

SKIN AND BODY PROTECTION: ANY SPECIFIC CLOTHING INFORMATION PROVIDED IS BASED ON PUBLISHED LITERATURE OR MANUFACTURER DATA.

THE TYPES OF CLOTHING TO BE CONSIDERED FOR THIS MATERIAL INCLUDE: NO SKIN PROTECTION IS ORDINARILY REQUIRED UNDER NORMAL CONDITIONS OF USE. IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE PRACTICES, PRECAUTIONS SHOULD BE TAKEN TO AVOID SKIN CONTACT.

SPECIFIC HYGIENE MEASURES:
ALMAYS OBSERVE GOOD PERSONAL HYGIENE MEASURES, SUCH AS WASHING AFTER
HANDLING THE MATERIAL AND ESPORE EATING, DRINKING, AND/OR SMOKING.
ROUTINELY WASH WORK CLOTHING-AND PROTECTIVE EQUIPMENT TO REMOVE
CONTAMINANTS. DISCARD CONTAMINATED CLOTHING AND FOOTWEAR THAT CANNOT BE
CLEANED. PRACTICE GOOD HOUSEKEEPING.

ENVIRONMENTAL CONTROLS:

COMPLY WITH APPLICABLE ENVIRONMENTAL REGULATIONS LIMITING DISCHARGE TO ALR,
WATER AND SOIL. PROTECT THE ENVIRONMENT BY APPLYING APPROPRIATE CONTROL
MEASURES TO PREVENT OR LIMIT EMISSIONS.

- SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES -

HYSICAL AND CHEMICAL PROPERTIES ARE PROVIDED FOR SAFETY, HEALTH AND ENVIRONMENTAL CONSIDERATIONS ONLY AND MAY NOT FULLY REPRESENT PRODUCT SPECIFICATIONS. CONTACT THE SUPPLIER FOR ADDITIONAL INFORMATION.

GENERAL INFORMATION:

PHYSICAL STATE: SOLID

FORM: SEMI-FLUID

COLOR: BROWN

ODOR: CHARACTERISTIC

ODOR THRESHOLD: N/D

IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION:

RELATIVE DENSITY (AT 15 DEG. C): 0.92

FLAMMABILITY (SOLID, GAS):

FLASH POINT [METHOD]: >204 DEG. C (400 DEG. F) [EST. FOR OIL, ASTM D-92 (COC)]

FLAMMABLE LIMITS (APPROXIMATE VOLUME % IN AIR): LEL: N/D UEL: N/D

AUTOIGNITION TEMPERATURE: N/D

BOILING POINT / RANGE: >316 DEG. C (600 DEG. F)

DECOMPOSITION TEMPERATURE: N/D

VAPOR DENSITY (AIR = 1): N/D

VAPOR PRESSURE: <0.013 KPA (0.1 MVHg) AT 20 DEG. C

EVAPORATION RATE (N-BUTYL ACETATE = 1): N/D

PH: N/A

LOG POW (N-OCTANOL/WATER PARTITION COEFFICIENT); >3.5

SOLUBILITY IN WATER: NEGLIGIBLE

VISCOSITY: 150 CST (150 MM2/SEC) AT 40 DEG. C

OXIDIZING PROPERTIES: SEE HAZARDS IDENTIFICATION SECTION.

OTHER INFORMATION:

FREEZING POINT: N/D

MELTING POINT: N/D

DMSO EXTRACT (MINERAL OIL ONLY), IP-346: <3% WT

MOST PHYSICAL PROPERITES ABOVE ARE FOR THE OIL COMPONENT IN THE MATERIAL.

SECTION 10 STABILITY AND REACTIVITY -

REACTIVITY: SEE SUB-SECTIONS BELOW.

STABILITY: MATERIAL IS STABLE UNDER NORMAL CONDITIONS.

CONDITIONS TO AVOID: EXCESSIVE HEAT. HIGH ENERGY SOURCES OF IGNITION.

MATERIALS TO AVOID: STRONG OXIDIZERS

HAZARDOUS DECOMPOSITION PRODUCTS: MATERIAL DOES NOT DECOMPOSE AT AMBLENT TEMPERATURES.

POSSIBILITY OF HAZARDOUS REACTIONS: HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

SECTION 11 TOXICOLOGICAL INFORMATION -

INFORMATION ON TOXICOLOGICAL EFFECTS:

HAZARD CLASS

CONCLUSION / REMARKS

MINIMALLY TOXIC. BASED ON ASSESSMENT OF THE COMPONENTS.

MINIMALLY TOXIC. BASED ON ASSESSMENT OF THE COMPONENTS.

MINIMALLY TOXIC. BASED ON ASSESSMENT OF THE COMPONENTS.

NEGLIGIBLE HAZARD AT AMBIENT/NOWN HANDLING TEMPERATURES.

NECLICIBLE IRRITATION TO SKIN AT AMBIENT TEMPERATURES. BASED ON ASSESSMENT OF THE COMPONENTS.

NOT EXPECTED TO BE A RESPIRATORY

MAY CAUSE MILD, SHORT-LASTING DISCOMFORT TO EYES, BASED ON ASSESSMENT OF THE COMPONENTS.

SENSITIZER.

NOT EXPECTED TO BE A SKIN SENSITIZER, BASED ON ASSESSMENT OF THE COMPONENTS.

NOT EXPECTED TO BE AN ASPIRATION HAZARD. RASED ON PHYSICO-CHEMICAL PROPERTIES OF THE MATERIAL.

NOT EXPECTED TO BE A GERM CELL, MUTAGEN, BASED ON ASSESSMENT OF THE COMPONENTS.

NOT EXPECTED TO CAUSE CANCER. BASED ON ASSESSMENT OF THE COMPONENTS.

NOT EXPECTED TO BE A REPRODUCTIVE TOXICANT, BASED ON ASSESSMENT OF THE COMPONENTS.

NOT EXPECTED TO CAUSE HARM TO BREAST-FED CHILDREN.

INHALATION:

ACUTE TOXICITY: NO END POINT DATA FOR MATERIAL.

IRRITATION: NO END POINT DATA FOR MATERIAL.

INGESTION:

ACUTE TOXICITY: NO END POINT DATA FOR MATERIAL.

ACUTE TOXICITY: NO END POINT DATA FOR MATERIAL.

SKIN CORROSION/IRRITATION: NO END POINT DATA FOR MATERIAL.

EYE.

SERIOUS EYE DAMAGE/IRRITATION: NO END POINT DATA FOR MATERIAL.

SENSITIZATION:

RESPIRATORY SENSITIZATION: NO END POINT DATA FOR MATERIAL.

SKIN SENSITIZATION: NO END POINT DATA FOR MATERIAL.

ASPIRATION: DATA AVAILABLE.

GERM CELL MUTAGENICITY: NO END POINT DATA FOR MATERIAL.

CARCINOGENICITY: NO END POINT DATA FOR MATERIAL.

REPRODUCTIVE TOXICITY: NO END POINT DATA FOR MATERIAL.

LACTATION: NO END POINT DATA FOR MATERIAL,

SPECIFIC TARGET ORGAN TOXICITY (STOT):

SINGLE EXPOSURE: NO END POINT DATA FOR MATERIAL.

REPEATED EXPOSURE: NO END POINT DATA FOR MATERIAL.

EXPECTED TO CAUSE ORGAN DAMAGE FROM A SINGLE EXPOSURE.

NOT EXPECTED TO CAUSE ORGAN DAMAS FROM PROLONGED OR REPEATED EXPOSURE BASED ON ASSESSMENT OF THE COMPONENTS

OTHER INFORMATION:

CONTAINS:

BASE OIL SEVERELY REFINED:

NOT CARCINGENIC IN ANIMAL STUDIES. REPRESENTATIVE MATERIAL PASSES IP-346, MODIFIED AMES TEST, AND/OR OTHER SCREENING TESTS. DERMAL AND INHALATION STUDIES SHOWED MINIMAL EFFECTS; LUNG NON-SPECIFIC UNFILIRATION OF IMMINE CELLS, OIL DEPOSITION AND MINIMAL GRANULCMA FORMATION. NOT SENSITIZING IN CELLS, OIL DE TEST ANIMALS.

THE FOLLOWING INGREDIENTS ARE CITED ON THE LISTS BELOW: NONE.

REGULATORY LISTS SEARCHED:

RESOLATORY IN: 1 = MTP CARC 2 = MTP SUS 3 = IARC 1 4 = IARC 2A 5 = IARC 2B 6 = OSHA CARC

- SECTION 12 ECOLOGICAL INFORMATION

THE INFORMATION GIVEN IS BASED ON DATA AVAILABLE FOR THE MATERIAL, THE COMPONENTS OF THE MATERIAL, AND SIMILAR MATERIALS.

MATERIAL: NOT EXPECTED TO BE HARMFUL TO AQUATIC ORGANISMS.

MOBILITY ·

BASE OIL COMPONENT:

LOW SOLUBILITY AND FLOATS AND IS EXPECTED TO MICRATE FROM WATER TO THE LAND. EXPECTED TO PARTITION TO SEDIMENT AND WASTEWATER SOLIDS.

PERSISTENCE AND DEGRADABILITY:

BIODEGRADATION:

BASE OIL COMPONENT: EXPECTED TO BE INHERENILY BIODEGRADABLE

BIOACCUMULATION POTENTIAL:

BASE OIL COMPONENT: HAS THE POTENTIAL TO BIOACCUMULATE, HOWEVER METABOLISM OR PHYSICAL PROPERTIES MAY REDUCE THE BIOCONCENTRATION OR LIMIT BIOAVAILABILITY.

- SECTION 13 DISPOSAL CONSIDERATIONS .

DISPOSAL RECOMMENDATIONS BASED ON MATERIAL AS SUPPLIED. DISPOSAL MUST BE IN ACCORDANCE WITH CURRENT APPLICABLE LAWS AND RESULATIONS, AND MATERIAL CHARACTERISTICS AT TIME OF DISPOSAL.

DISPOSAL RECOMMENDATIONS:
PRODUCT IS SUITABLE FOR BURNING IN AN ENCLOSED CONTROLLED BURNER FOR FUEL
VALUE OR DISPOSAL BY SUPERVISED INCINERATION AT VERY HIGH TEMPERATURES TO
PREVENT FORMATION OF UNDESTRABLE COMBUSTION PRODUCTS.

REGULATORY DISPOSAL INFORMATION:

RCRA INFORMATION: THE UNUSED PRODUCT, IN OUR OPINION, IS NOT SPECIFICALLY LISTED BY THE EPA AS A HAZARDOUS WASTE (40 CFR, PART 261D), NOR IS IT FORMLATED TO CONTAIN MATERIALS WHICH ARE LISTED AS HAZARDOUS WASTES. IT DOES NOT EXHIBIT THE HAZARDOUS CHARACTERISTICS OF ICANTABLLITY, CORROSITIVITY OR REACTIVITY AND IS NOT FORMULATED WITH CONTAMINANTS AS DETERMINED BY THE TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP). HOWEVER, USED PRODUCT MAY BE REGULATED.

EMPTY CONTAINER WARNING:

EMPTY CONTAINER WARNING (WHERE APPLICABLE):
EMPTY CONTAINERS MAY CONTAIN RESIDUE AND CAN BE DANGEROUS. DO NOT ATTEMPT
TO REFILL OR CLEAN CONTAINERS WITHOUT PROPER INSTRUCTIONS. EMPTY DRIMS
SHOULD BE COMPLETELY DRAINED AND SAFELY STORED UNTIL APPROPRIATELY
RECONDITIONED OR DISPOSED. EMPTY CONTAINERS SHOULD BE TAKEN FOR RECYCLING,
RECOVERY, OR DISPOSAL THROUGH SUITABLY QUALIFIED OR LICENSED CONTACTOR AND
IN ACCORDANCE WITH GOVERNMENTAL REGULATIONS. DO NOT PRESSURISE, CUT, WELD,
REAZE, SOLDER, DRILL, GRUND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME,
SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE
AND CAUSE INJURY OR DEATH.

- SECTION 14 TRANSPORT INFORMATION -

LAND (DOT): NOT REGULATED FOR LAND TRANSPORT

LAND (TDG): NOT REGULATED FOR LAND TRANSPORT

SEA (IMDG): NOT REGULATED FOR SEA TRANSPORT ACCORDING TO IMDG-CODE

MARINE POLLUTANT: NO

AIR (IATA): NOT REGULATED FOR AIR TRANSPORT

- SECTION 15 REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STANDARD: THIS MATERIAL IS NOT CONSIDERED HAZARDOUS IN ACCORDANCE WITH OSHA HAZCOM 2012, 29 CFR 1910.1200.

LISTED OR EXEMPT FROM LISTING/NOTIFICATION ON THE FOLLOWING CHEMICAL INVENTORIES: AICS, DSL, IECSC, KECI, PICCS, TSCA

EPCRA SECTION 302: THIS MATERIAL CONTAINS NO EXTREMELY HAZARDOUS SUBSTANCES.

SARA (311/312) REPORTABLE HAZARD CATEGORIES: NONE.

SARA (313) TOXIC RELEASE INVENTORY:

CHEMICAL NAME

CAS NUMBER

TYPICAL VALUE

ZINC DITHIOPHOSPHATE

68649-42-3

1 - <2.5%

THE FOLLOWING INGREDIENTS ARE CITED ON THE LISTS BELOW: CAS NUMBER

LIST CITATIONS

DIPHENYLAMINE

122-39-4

18

ZINC DITHIOPHOSPHATE

68649-42-3

13, 15, 17, 19

REGULATORY LISTS SEARCHED:

REGULATORY LISTS S

1 = ACSIH ALI
2 = ACSIH AL
3 = ACSIH A2
4 = OSHA Z
5 = TSCA 4
6 = TSCA 5A
7 = TSCA 5A
8 = TSCA 6
9 = TSCA 12B
10 = CA P65 CARC
11 = CA P65 CARC
11 = CA P65 REPRO
12 = CA RTK
14 = LA RTK
15 = MI 293

16 17

= MN RTK = NJ RTK = PA RTK = RI RTK

CODE KEY: CARC=CARCINOGEN REPRO=REPRODUCTIVE

SECTION 16 OTHER INFORMATION -

N/D = NOT DETERMINED N/A = NOT APPLICABLE

KEY TO THE H-CODES CONTAINED IN SECTION 3 OF THIS DOCUMENT (FOR INFORMATION ONLY):

H315: CAUSES SKIN IRRITATION; SKIN CORR/IRRITATION, CAT 2

H318: CAUSES SERIOUS EYE DAMAGE; SERIOUS EYE DAMAGE/IRR, CAT 1

H401: TOXIC TO AQUATIC LIFE; ACUTE ENV TOX, CAT 2

TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS; CHRONIC ENV TOX, CAT 2 THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:

REVISION CHANGES:

SECTION 05: HAZARDOUS COMBUSTION PRODUCTS INFORMATION WAS MODIFIED.

SECTION 14: MARINE POLLUTANT INFORMATION WAS MODIFIED.

REVISION INFORMATION - IMPLEMENTATION OF CHS REQUIREMENTS PHRASE. INFORMATION WAS DELETED

SECTION 01: COMPANY MAILING ADDRESS INFORMATION WAS MODIFIED.

COMPOSITION: COMPONENT TABLE INFORMATION WAS MODIFIED.

SECTION 15: SARA (313) TOXIC RELEASE INVENIORY - TABLE INFORMATION WAS MODIFIED.

SECTION 05: HAZARDOUS COMBUSTION PRODUCTS INFORMATION WAS MODIFIED.

THE INFORMATION AND RECOMBIDATIONS CONTAINED HEREIN ARE, TO THE BEST OF EXXONOBIL'S KNOWLEDGE AND BELIEF, ACCURATE AND RELIABLE AS OF THE DATE ISSUED. YOU CAN CONTACT EXXONOBIL TO INSURE THAT THIS DOCUMENT IS THE MOST CURRENT AVAILABLE FROM EXXONOBIL. THE INFORMATION AND RECOMMENDATIONS ARE OFFERED FOR THE USER'S CONSIDERATION AND EXAMINATION. IT IS THE USER'S RESPONSIBILITY TO SATISFY ITSELF THAT THE PRODUCT IS SUITABLE FOR THE INTENDED USE. IF BUYER REPACKAGES THIS PRODUCT, IT IS THE USER'S RESPONSIBILITY TO INSURE PROPER HEALTH, SAFETY AND OTHER NECESSARY INFORMATION IS INCLUDED WITH AND/OR ON THE CONTAINER, APPROPRIATE MARNINGS AND SAFE-HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS. AND SAFE-HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS. AND SAFE-HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS. AND SAFE-HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS. AND EXCEPT TO THE EXTENT REQUIRED BY LAW, RE-PUBLICATION OR RETRANSMISSION OF THIS DOCUMENT, IN WHOLE OR IN PART, IS NOT PERMITTED. THE TERM, "EXXONOBIL" IS USED FOR CONVENIENCE, AND MAY INCLUDE ANY ONE OR MORE OF EXXONOBIL" IS USED FOR CONVENIENCE, AND MAY INCLUDE ANY ONE OR MORE OF EXXONOBIL CHEMICAL COMPANY, EXXON MOBIL CORPORATION, OR ANY AFFILIATES IN WHICH THEY DIRECTLY OR INDIRECTLY HOLD ANY INTEREST.

INTERNAL USE ONLY: MHC: OB, OB, O, O, O, O PPEC: A

DGN: 2009877XUS (539035)

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ITEM: 4ZF13 - Way Oil Brown Mineral 5 gal.

PICK REO: 1435637803

SAFETY DATA SHEET (SDS)

sps: D6119

SKIN CONTACT:
WASH CONTACT AREAS WITH SOAP AND WATER. IF PRODUCT IS INJECTED INTO OR
UNDER THE SKIN, OR INTO ANY PART OF THE BODY, REGARDLESS OF THE APPEARANCE
OF THE WOUND OR ITS SIZE, THE INDIVIDUAL SHOULD BE EVALUATED IMMEDIATELY
BY A PHYSICIAN AS A SURGICAL EMERGENCY. EVAN THOUGH INITIAL SHAPITONS FROM
HIGH PRESSURE INJECTION MAY BE MINIMAL OR ABSENT, EARLY SURGICAL TREATMENT
WITHIN THE FIRST FEW HOURS MAY SIGNIFICANTLY REDUCE THE UNITWATE EXTENT OF EXXONMORTI. PRODUCT NAME: MOBIL VACTRA OIL NO. 2 REVISION DATE: 17 MAR 2015

- SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT:

SAFETY DATA SHEET

PRODUCT NAME: MOBIL VACIRA OIL NO. 2

PRODUCT DESCRIPTION: BASE OIL AND ADDITIVES

PRODUCT CODE: 201560901015, 600494-00, 970716

INTENDED USE: LUBRICANT

COMPANY IDENTIFICATION:

EXXON MOBIL CORPORATION 22777 SPRINGWOODS VILLAGE PARKWAY SPRING, TX. 77389

24 HOUR HEALTH EMERGENCY: 609-737-4411

TRANSPORTATION EMERGENCY PHONE: 800-424-9300 OR 703-527-3887 CHEMITEC

PRODUCT TECHNICAL INFORMATION: 800-662-4525

MSDS INTERNET ADDRESS: HTTP://WWW.EXXON.COM HTTP://WWW.MOBIL.COM

- SECTION 2 HAZARDS IDENTIFICATION

THIS MATERIAL IS NOT HAZARDOUS ACCORDING TO REGULATORY GUIDELINES (SEE (\mathbb{M}) SDS SECTION 15).

OTHER HAZARD INFORMATION:

HAZARD NOT OTHERWISE CLASSIFIED (HNOC): NONE AS DEFINED UNDER 29 CFR 1910.1200.

PHYSICAL / CHEMICAL HAZARDS: NO SIGNIFICANT HAZARDS.

HEALTH HEARING: HIGH-PRESSURE INJECTION UNDER SKIN MAY CAUSE SERIOUS DAMAGE. EX EXPOSURE MAY RESULT IN EYE, SKIN, OR RESPIRATORY IRRITATION. EXCESSIVE

ENVIRONMENTAL HAZARDS: NO SIGNIFICANT HAZARDS.

NFPA HAZARD ID: HEALTH 0 FLAMMABILITY 1 REACTIVITY

HMIS HAZARD ID: HEALTH 0 FLAMMABILITY 1 REACTIVITY

THIS MATERIAL SHOULD NOT BE USED FOR ANY CITHER PURPOSE THAN THE INTENDED USE IN SECTION 1 WITHOUT EXPERT ADVICE, HEALTH STUDIES HAVE SHOWN THAT CHEMICAL EXPOSURE MAY CAUSE POTENTIAL HUMAN HEALTH RISKS WHICH MAY VARY

- SECTION 3 COMPOSITION / INFORMATION ON INCREDIENTS

THIS MATERIAL IS DEFINED AS A MIXTURE.

HAZARDOUS SUBSTANCE(S) OR COMPLEX SUBSTANCE(S) REQUIRED FOR DISCLOSURE:

NAME:

CAS# CONCENTRATION* CHS HAZARD CODES

2,6-DI-TERT-BUTYL-P-CRESOL

128-37-0 0.1 - <1%

H400 (M FACTOR 1), H410 (M FACTOR 1)

PHOSPHORIC ACID ESTERS, AMENE SALT

0.1 - <1%

H226, H302, H317, H318, H401, H411

* ALL CONCENTRATIONS ARE PERCENT BY WEIGHT UNLESS MATERIAL IS A GAS. CONCENTRATIONS ARE IN PERCENT BY VOLUME.

AS PER PARAGRAPH (I) OF 29 CER 1910.1200, FORMULATION IS CONSIDERED A TRADE SELTET AND SERCIFIC CHEMICAL IDENTITY AND EXACT PERCENTRAGE (CONCENTRATION) OF COMPOSITION MBY HAVE SEEN WITHHELD. SPECIFIC CHEMICAL IDENTITY AND EXACT PERCENTRAGE COMPOSITION WILL BE PROVIDED TO HEALTH PROFESSIONALS, EMPLOYEES, OR DESIGNATED REPRESENTATIVES IN ACCURANCE WITH APPLICABLE PROVISIONS OF

- SECTION 4 FIRST AID MEASURES -

INHALATION: INHALATION:
REMOVE FROM FURTHER EXPOSURE. FOR THOSE PROVIDING ASSISTANCE, AVOID
EXPOSURE TO YOURSELF OR OTHERS. USE ADEQUATE RESPIRATORY PROTECTION. IF
RESPIRATORY IRRITATION, DIZZINESS, NAUSEA, OR UNCONSCIOUSNESS OCCURS, SEEK

EYE CONTACT: FLUSH THOROUGHLY WITH WATER. IF IRRITATION OCCURS, GET MEDICAL ASSISTANCE.

INGESTION:

FIRST AID IS NORMALLY NOT REQUIRED. SEEK MEDICAL ATTENTION IF DISCOMPORT

- SECTION 5 FIRE FIGHTING MEASURES -

EXTINGUISHING MEDIA:

APPROPRIATE EXTINGUISHING MEDIA: USE WATER FOG, FOAM, DRY CHEMICAL OR CARBON DIOXIDE (CC2) TO EXTINGUISH

INAPPROPRIATE EXTINGUISHING MEDIA: STRAIGHT STREAMS OF WATER

FIRE FIGHTING INSTRUCTIONS: EVACUATE AREA. PREVENT RINOFF EXOM FIRE CONTROL OR DILUTION FROM ENTERING STREAMS, SEWERS, OR DRINKING WATER SUPPLY. FIREFICHTERS SHOULD USE STANDARD PROTECTIVE EQUIPMENT AND IN ENCLOSED SPACES, SELF-CONTAINED EREATHING APPARATUS (SCBA). USE WATER SPRAY TO COOL FIRE EXPOSED SURFACES AND TO PROTECT PERSONNEL.

HAZARDOUS COMBUSTION PRODUCTS: ALDEHYDES, SULFUR OXIDES, OXIDES OF CARBON, SMOKE, FUME, INCOMPLETE COMBUSTION PRODUCTS

FLAMMABILITY PROPERTIES:

FLASH POINT [METHOD]: >205 DEG. C (401 DEG. F) [ASTM D-92]

FLAMMABLE LIMITS (APPROXIMATE VOLUME % IN AIR):

AUTOIGNITION TEMPERATURE: N/D

- SECTION 6 ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: IN THE EVENT OF A SPILL OR ACCIDENTAL RELFASE, NOTIFY RELEVANT AUTHORITIES IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS, US REGULATIONS REQUIRE RESCRING RELFASES OF THIS MATERIAL TO THE ENVIRONMENT WHICH EXCEED THE APPLICABLE REPORTABLE QUANTITY OR OIL SPILLS WHICH COULD REACH ANY WATERWAY INCLUDING INTERMITTENT DRY CREEKS, THE NATIONAL RESPONSE CENTER CAN BE REACHED AT (800) 424-8802.

PROTECTIVE MEASURES:
AVOID CONTACT WITH SPILLED MATERIAL. SEE SECTION 5 FOR FIRE FIGHTING INFORMATION. SEE THE HAZARD IDENTIFICATION SECTION FOR SIGNIFICANT HAZARDS. SEE SECTION 4 FOR FIRST AND ADVICE. SEE SECTION 8 FOR ADVICE ON THE MINIMUM REQUIREMENTS FOR PERSONAL PROTECTIVE EQUIPMENT. ADDITIONAL PROTECTIVE MEASURES MAY BE NECESSARY, DEPENDING ON THE SEPCRIFIC CIRCUMSTANCES AND/OR THE EXPERT JUDGMENT OF THE EMERGENCY RESPONDERS.

FOR EMERGENCY RESPONDERS

RESPIRATORY PROPERTYON RESPIRATORY PROTECTION:
RESPIRATORY PROTECTION WILL BE NECESSARY ONLY IN SPECIAL CASES, E.G.,
FORMATION OF MISTS. HALF-PACE OR FULL-FACE RESPIRATOR WITH FILTER (S) FOR
DUST/ORGANIC VAPOR OR SELF CONTAINED ERPATHING APPARATUS (SCRA) CAN BE USED
DEPENDING ON THE SIZE OF SPILL AND POTENTIAL LEVEL OF EXPOSURE. IF THE
EXPOSURE CANNOT BE COMPLETELY CHARACTERIZED OR AN OXYGEN DEFICIENT
AND SHERE IS POSSIBLE OR ANTICIPATED, SCRA IS RECOMMENDED, WORK GLOWS
THAT ARE RESISTANT TO HYDROCAREORS ARE RECOMMENDED, GLOVES MADE OF
FOLVINYL ACETATE (FVA) ARE NOT WATER-RESISTANT AND ARE NOT SUITABLE FOR
EMERGENCY USE. CHEMICAL GOGGLES ARE RECOMMENDED IF SPLASHES OR CONTACT WITH EYES IS POSSIBLE

SMALL SPILLS: NORMAL ANTISTATIC WORK CLOTHES ARE USUALLY ADEQUATE.

FULL BODY SUIT OF CHEMICAL RESISTANT, ANTISTATIC MATERIAL IS RECOMMENDED.

SPILL MANAGEMENT:

LAND SPILL: STOP LEAK IF YOU CAN DO IT WITHOUT RISK. RECOVER BY PUMPING OR WITH SUITABLE ABSORBENT.

WATER SPILE WATER SPILL:
STOP LEAK IF YOU CAN DO IT WITHOUT RISK. CONFINE THE SPILL IMMEDIATELY WITH
BOOMS. WARN OTHER SHIPPING. REMOVE FROM THE SURFACE BY SKIMMING OR WITH
SUITABLE ABSORBENTS. SEEK THE ADVICE OF A SPECIALIST BEFORE USING DISPERSANTS.

WATER SPILL AND LAND SPILL RECOMMENDATIONS ARE BASED ON THE MOST LIKELY SPILL SCENARIO FOR THIS MATERIAL; HOWEVER, GEOGRAPHIC CONDITIONS, WIND, TEMPERATURE, (AND IN THE CASE OF A WATER SPILL) WAVE AND CURRENT DIRECTION AND SPEED MAY GREATLY INFLUENCE THE APPROPRIATE ACTION TO BE TAKEN. FOR THIS REASON, LOCAL EXPERTS SHOULD BE CONSULTED.

NOTE: LOCAL REGULATIONS MAY PRESCRIBE OR LIMIT ACTION TO BE TAKEN.

LARGE SPILLS:

DATES OF LIQUID SPILL FOR LATER RECOVERY AND DISPOSAL. PREVENT ENTRY INTO WATERWAYS, SEWERS, BASEMENTS OR CONFINED AREAS.

SECTION 7 HANDLING AND STORAGE -

HANDLING:
PREVENT SMALL SPILLS AND LEAKAGE TO AVOID SLIP HAZARD. MATERIAL CAN
ACCIMILATE STATIC CHARGES WHICH MAY CAUSE AN ELECTRICAL SPARK (ICNITION
SOURCE). WHEN THE MATERIAL IS HANDLED IN BULK, AN ELECTRICAL SPARK COULD
IGNITE ANY FLAWMABLE VAPORS FROM LIQUIDS OR RESIDUES THAT MAY BE PRESENT
[E.G., DURING SWITCH-LOADING OPERATIONS). USE PROPER ECONDING AND/OR GROUND
PROCEDURES. HOWEVER, BONDING AND ECCURIS MAY NOT ELIMINATE THE HAZARD FROM
STATIC ACCUMILATION. COMBULT LOCAL APPLICABLE STANDARDS FOR GUIDANCE.
ADDITIONAL REFERENCES INCLUE AMERICAN PERFOLEM INSTITUTE 2003 (PROTECTION
AGAINST IGNITIONS ARISING OUT OF STATIC, LIGHNINGS AND STRAY CURRENTS) OR
NATIONAL FIRE PROTECTION AGENCY 77 (RECOMMENDED PRACTICE ON STATIC
ELECTRICITY) OR CENELEC CLC/TR 50404 (ELECTRICITY).

STATIC ACCUMULATOR: THIS MATERIAL IS A STATIC ACCUMULATOR.

STORAGE

SICOGGS: THE CONTAINER CHOICE, FOR EXAMPLE STORAGE VESSEL, MAY EFFECT STATIC ACCUMULATION AND DISSIPATION. DO NOT STORE IN OPEN OR UNLABELLED CONTAINERS. KEEP AWAY FROM INCOMPATIBLE MATERIALS.

- SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION -

EXPOSURE LIMIT VALUES:

EXPOSURE LIMITS/STANDARDS (NOTE: EXPOSURE LIMITS ARE NOT ADDITIVE):

SUBSTANCE NAME

LIMIT / STANDARD NOTE SOURCE

2,6-DI-TERT-BUTYL-P-CRESOL INHALABLE TWA: 2 MG/MB FRACTION AND VAPOR

ACCITH

EXPOSURE LIMITS/STANDARDS FOR MATERIALS THAT CAN BE FORMED WHEN HANDLING THIS PRODUCT:

WHEN MISTS/AEROSOLS CAN OCCUR THE FOLLOWING ARE RECOMMENDED: 5 MG/M3 - ACGIH TLV (INHALABLE FRACTION), 5 MG/M3 - OSHA PEL.

LIMITS/STANDARDS SHOWN FOR GUIDANCE ONLY. FOLLOW APPLICABLE REGULATIONS.

NO BIOLOGICAL LIMITS ALLOCATED.

ENGINEERING CONTROLS:
THE LEVEL OF PROTECTION AND TYPES OF CONTROLS NECESSARY WILL VARY DEPENDING
UPON POTENTIAL EXPOSURE CONDITIONS.

CONTROL MEASURES TO CONSIDER: OPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE AND WITH ADEQUATE VENTILATION.

PERSONAL PROTECTION:
PERSONAL PROTECTIVE EQUIPMENT SELECTIONS VARY BASED ON POTENTIAL EXPOSURE
CONDITIONS SUCH AS APPLICATIONS, HANDLING PRACTICES, CONCENTRATION AND
VENTILATION. INFORMATION ON THE SELECTION OF PROTECTIVE EQUIPMENT FOR USE
WITH THIS MATERIAL, AS PROVIDED BELOW, IS BASED UPON INTENDED, NORMAL

RESPIRATORY PROTECTION:
IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONTAMINANT CONCENTRATIONS
AT A LEVEL WHICH IS ADEQUATE TO PROTECT WORKER HEALTH, AN APPROVED
RESPIRATOR MAY BE APPROPRIATE. RESPIRATOR SELECTION, USE, AND MAINTENANCE
MUST BE IN ACCORDANCE WITH REGULATORY REQUIREMENTS, IF APPLICABLE.

TYPES OF RESPIRATORS TO BE CONSIDERED FOR THIS MATERIAL INCLUDE: NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE AND WITH ADEQUATE VENTILATION.

FOR HIGH AIRBORNE CONCENTRATIONS, USE AN APPROVED SUPPLIED-AIR RESPIRATOR, OPERATED IN POSITIVE PRESSURE MODE, SUPPLIED AIR RESPIRATORS WITH AN ESCAPE BOTTLE MAY BE APPROPRIATE WHEN CXYGEN LEVELS ARE INADEQUATE, GAS/VAPOR WARNING PROPERTIES ARE POOR, OR IF AIR PURIFYING FILITER CAPACITY/RATING MAY BE BYOTEDED

HAND PROTECTION:
ANY SPECIFIC GLOVE INFORMATION PROVIDED IS BASED ON PUBLISHED LITERATURE
ANY SPECIFIC GLOVE INFORMATION PROVIDED IS BASED ON PUBLISHED LITERATURE
AND GLOVE MANUFACTURER DATA. GLOVE SUITABILITY AND BREAKTHROUGH TIME WILL
DIFFER DEPENDING ON THE SPECIFIC USE CONDITIONS. CONTACT THE GLOVE
MANUFACTURER FOR SPECIFIC ADVICE ON GLOVE SELECTION AND BERBARDOGH TIMES
FOR YOUR USE CONDITIONS. INSPECT AND REPLACE WORN OR DAMAGED GLOVES.

THE TYPES OF GLOVES TO BE CONSIDERED FOR THIS MATERIAL INCLUDE: NO PROTECTION IS ORDINARILY REQUIRED UNDER NORMAL CONDITIONS OF USE.

EYE PROTECTION: IF CONTACT IS LIKELY, SAFETY GLASSES WITH SIDE SHIELDS ARE RECOMMENDED.

SKIN AND BODY PROTECTION: ANY SPECIFIC CLOTHING INFORMATION PROVIDED IS BASED ON PUBLISHED LITERATURE OR MANUFACTURER DATA.

THE TYPES OF CLOTHING TO BE CONSIDERED FOR THIS MATERIAL INCLUDE: NO SKIN PROTECTION IS ORDINARILY REQUIRED UNDER NORMAL CONDITIONS OF USE. IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE PRACTICES, PRECAUTIONS SHOULD BE TAKEN TO AVOID SKIN CONFACT.

SPECIFIC HYGIENE MEASURES:
ALWAYS OBSERVE GOOD PERSONAL HYGIENE MEASURES, SUCH AS WASHING AFTER HANDLING THE MATERIAL AND BEFORE EATING, DRINKING, AND/OR SMOKING. ROUTINELY WASH WORK CLOTHING AND PROTECTIVE EQUIPMENT TO REMOVE CONTAMINANTS. DISCARD CONTAMINATED CLOTHING AND FOOTWEAR THAT CANNOT BE CLEANED. PRACTICE GOOD HOUSEKEEPING.

ENVIRONMENTAL CONTROLS:
COMPLY WITH APPLICABLE BIVIECOMENTAL REGULATIONS LIMITING DISCHARGE TO AIR,
WEATER AND SOIL PROJECT THE ENVIRONMENT BY APPLYING APPROPRIATE CONTROL
MEASURES TO PREVENT OR LIMIT EMISSIONS.

- SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES -

NOIS: PHYSICAL AND CHEMICAL PROPERTIES ARE PROVIDED FOR SAFETY, HEALTH AND ENVIRONMENTAL CONSIDERATIONS ONLY AND MAY NOT FULLY REPRESENT PRODUCT SPECIFICATIONS. CONTACT THE SUPPLIER FOR ADDITIONAL INFORMATION.

GENERAL INFORMATION:

PHYSICAL STATE: LIQUID

COLOR: BROWN

ODOR: CHARACTERISTIC

ODOR THRESHOLD: N/D

IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION:

RELATIVE DENSITY (AT 15 DEG. C): 0.883

FLAMMABILITY (SOLID, GAS): N/A

FLASH POINT [METHOD]: >205 DEG. C (401 DEG. F) [ASTM D-92]

FLAMMABLE LIMITS (APPROXIMATE VOLUME % IN AIR):

AUTOIGNITION TEMPERATURE: N/D

BOILING POINT / RANGE: >316 DEG. C (600 DEG. F)

DECOMPOSITION TEMPERATURE: N/D

VAPOR DENSITY (AIR = 1): >2 AT 101 KPA

VAPOR PRESSURE: <0.013 KPA (0.1 MMHg) AT 20 DEG. C

EVAPORATION RATE (N-BUTYL ACETATE = 1): N/D

LOG POW (N-OCTANOL/WATER PARTITION COEFFICIENT): >3.5

SOLUBILITY IN WATER: NEGLIGIBLE

VISCOSITY: 68 CST (68 MM2/SEC) AT 40 DEG. C 8.6 CST (8.6 MM2/SEC) AT 100 DEG. C

OXIDIZING PROPERTIES: SEE HAZARDS IDENTIFICATION SECTION.

OTHER INFORMATION.

FREEZING POINT: N/D

MELTING POINT: N/A

POUR POINT: -6 DEG. C (21 DEG. F)

DMSO EXTRACT (MINERAL OIL ONLY), IP-346: <3% WT

- SECTION 10 STABILITY AND REACTIVITY -

REACTIVITY: SEE SUB-SECTIONS BELOW.

STABILITY: MATERIAL IS STABLE UNDER NORMAL CONDITIONS.

CONDITIONS TO AVOID: EXCESSIVE HEAT. HIGH ENERGY SOURCES OF IGNITION.

MATERIALS TO AVOID: STRONG OXIDIZERS

HAZARDOUS DECOMPOSITION PRODUCTS: MATERIAL DOES NOT DECOMPOSE AT AMBIENT TEMPERATURES.

POSSIBILITY OF HAZARDOUS REACTIONS: HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

- SECTION 11 TOXICOLOGICAL INFORMATION -

INFORMATION ON TOXICOLOGICAL EFFECTS:

HAZARD CLASS

CONCLUSION / REMARKS

INHALATION:

ACUTE TOXICITY: NO END POINT DATA FOR MATERIAL.

IRRITATION: NO END POINT DATA FOR MATERIAL.

INGESTION:

ACUTE TOXICITY: NO END POINT DATA FOR MATERIAL.

ACUTE TOXICITY: NO END POINT DATA FOR MATERIAL.

SKIN CORROSION/IRRITATION: NO END POINT DATA FOR MATERIAL.

SERIOUS EYE DAMAGE/IRRITATION: NO END POINT DATA FOR MATERIAL.

SENSITIZATION:

RESPIRATORY SENSITIZATION: NO END POINT DATA FOR MATERIAL.

MINIMALLY TOXIC. BASED ON ASSESSMENT OF THE COMPONENTS.

NEGLIGIBLE HAZARD AT AMBIENT/NOMMI HANDLING TEMPERATURES.

MINIMALLY TOXIC. BASED ON ASSESSMENT OF THE COMPONENTS.

MINIMALLY TOXIC. BASED ON ASSESSMENT OF THE COMPONENTS.

MEGLICIBLE IRRITATION TO SKIN AT AMBIENT TEMPERATURES. BASED ON ASSESSMENT OF THE COMPONENTS.

MAY CAUSE MILD, SHORT-LASTING DISCOMFORT TO EYES. BASED ON ASSESSMENT OF THE COMPONENTS.

NOT EXPECTED TO BE A RESPIRATORY SENSITIZER.

SKIN SENSITIZATION: NO END POINT DATA FOR MATERIAL.

ASPIRATION: DATA AVAILABLE.

GERM CELL MUTAGENICITY: NO END POINT DATA FOR MATERIAL.

CARCINOGENICITY: NO END POINT DATA FOR MATERIAL.

NO END POINT DATA FOR MATERIAL.

REPRODUCTIVE TOXICITY: NO END POINT DATA FOR MATERIAL.

NOT EXPECTED TO BE A GERM CELL, MUTAGEN. BASED ON ASSESSMENT OF THE COMPONENTS.

HAZARD. BASED ON PHYSICO-CHEMICAL, PROPERTIES OF THE MATERIAL,

NOT EXPECTED TO BE A SKIN SENSITIZER. BASED ON ASSESSMENT OF THE COMPONENTS.

NOT EXPECTED TO CAUSE CANCER. BASED ON ASSESSMENT OF THE COMPONENTS.

NOT EXPECTED TO BE A REPRODUCTIVE TOXICANT. BASED ON ASSESSMENT OF THE COMPONENTS.

NOT EXPECTED TO CAUSE HARM TO BREAST-FED CHILDREN.

NOT EXPECTED TO BE AN ASPIRATION

SPECIFIC TARGET ORGAN TOXICITY (STOT):

SINGLE EXPOSURE: NO END POINT DATA FOR MATERIAL. NOT EXPECTED TO CAUSE ORGAN DAMAGE FROM A SINGLE EXPOSURE.

REPEATED EXPOSURE: NO END POINT DATA FOR MATERIAL. NOT EXPECTED TO CAUSE ORGAN DAMAGE FROM PROLONGED OR REPEATED EXPOSURE, BASED ON ASSESSMENT OF THE COMPONENTS.

TOXICITY FOR SUBSTANCES:

NAME

ACUTE TOXICITY

2,6-DI-TERT-BUTYL-P-CRESOL

ORAL LETHALITY: LD50: 0.89 G/KG (RAT)

OTHER INFORMATION:

FOR THE PRODUCT ITSELF: COMPONENT CONCENTRATIONS IN THIS FORMULATION WOULD NOT BE EXPECTED TO CAUSE SKIN SENSITIZATION, BASED ON TESTS OF THE COMPONENTS OR SIMILAR FORMULATIONS.

CONTAINS:

BASE OIL SEVERELY REFINED:
NOT CARCINOGENIC IN ANIMAL STUDIES. REPRESENTATIVE MATERIAL PASSES IP-346,
MODIFIED AMES TEST, AND/OR OTHER SCREENING TESTS. DERMAL AND INHALATION
STUDIES SHOWED MINIMAL EFFECTS; LUNG NON-SPECIFIC INFILITATION OF IMMINE
CELLS, OIL DEPOSITION AND MINIMAL GRANULOMA FORMATION. NOT SENSITIZING IN
TEST ANIMALS.

THE FOLLOWING INGREDIENTS ARE CITED ON THE LISTS BELOW: NONE.

REGULATORY LISTS SEARCHED:

1 = NTP CARC 2 = NTP SUS 3 = IARC 1 4 = IARC 2A 5 = IARC 2B

- SECTION 12 ECOLOGICAL INFORMATION -

THE INFORMATION GIVEN IS BASED ON DATA AVAILABLE FOR THE MATERIAL, THE COMPONENTS OF THE MATERIAL, AND SIMILAR MATERIALS.

ECOTOXICITY .

MATERIAL: NOT EXPECTED TO BE HARMFUL TO AQUATIC ORGANISMS.

MOBILITY.

BASE OIL COMPONENT: LOW SOLUBILITY AND FLOATS AND IS EXPECTED TO MIGRATE FROM WATER TO THE LAND. EXPECTED TO PARTITION TO SEDIMENT AND WASTEWATER SOLIDS.

PERSISTENCE AND DEGRADABILITY.

BIODEGRADATION:

BASE OIL COMPONENT: EXPECTED TO BE INHERENTLY BIODEGRADABLE

BIOACCUMULATION POTENTIAL:

BASE OIL COMPONENT: HAS THE POTENTIAL TO BIOACCUMULATE, HOWEVER METABOLISM OR PHYSICAL PROPERTIES MAY REDUCE THE BIOCONCENTRATION OR LIMIT BIOAVATIABILITY.

OTHER ECOLOGICAL INFORMATION:

VOC: 1.1 G/L [ASTM E1868-10]

- SECTION 13 DISPOSAL CONSIDERATIONS -

DISPOSAL RECOMMENDATIONS BASED ON MATERIAL AS SUPPLIED. DISPOSAL MUST BE IN ACCORDANCE WITH CURRENT APPLICABLE LAWS AND REGULATIONS, AND MATERIAL CHARACTERISTICS AT TIME OF DISPOSAL.

DISPOSAL RECOMMENDATIONS: DISPOSAL RECOVERNATIONS:

PRODUCT IS SUITABLE FOR BURNING IN AN ENCLOSED CONTROLLED BURNER FOR FUEL VALUE OR DISPOSAL BY SUPERVISED INCINERATION AT VERY HIGH TEMPERATURES TO PREVENT FORMATION OF UNDESIRABLE COMBUSTION PRODUCTS. PROTECT THE ENVIRONMENT. DISPOSE OF USED OIL AT DESIGNATED SITES, MUNIMIZE SKIN CONTACT. DO NOT MIX USED OILS WITH SOLVENTS, BRAKE FIJULDS OR COOLANTS.

REGULATORY DISPOSAL INFORMATION:

RCRA INFORMATION:
THE UNISED PRODUCT, IN OUR OPINION, IS NOT SPECIFICALLY LISTED BY THE EPA
AS A HAZARDOUS WASTE (40 CFR, PART 261D), NOR IS IT FORMILATED TO CONTAIN
MATERIALS WHICH ARE LISTED AS HAZARDOUS WASTES. IT DOES NOT EXHIBIT THE
HAZARDOUS CHARACTERISTICS OF IGNITIABILITY, CORROSITIVITY OR REACTIVITY AND
IS NOT FORMULATED WITH CONTAMINANTS AS DETERMINED BY THE TOXICITY
CHARACTERISTIC LEACHING PROCEDURE (TCLP). HOWEVER, USED PRODUCT MAY BE RCRA INFORMATION:

REGULATED.

EMPTY CONTAINER WARNING:

EMPTY CONTAINER WARNING (WHERE APPLICABLE):
EMPTY CONTAINERS MAY CONTAIN RESIDUE AND CAN BE DANGEROUS. DO NOT ATTEMPT
TO REFILL OR CLEAN CONTAINERS WITHOUT PROPER INSTRUCTIONS. EMPTY DRIMS
SHOULD BE COMPLIFIELY DRAINED AND SAPELY STORED UNTIL APPROPRIATELY
RECONDITIONED OR DISPOSED. EMPTY COMPAINERS SHOULD BE TAKEN FOR RECYCLING,
RECOVERY, OR DISPOSAL THROUGH SUITABLY QUALIFIED OR LICENSED CONTRACTOR AND
IN ACCORDANCE WITH GOVERNMENTAL RESULATIONS. DO NOT PRESSURISE, CUT, WELD,
BRAZE, SOLDER, DRILL, CRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME,
SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE
AND CAUSE INJURY OR DEATH.

- SECTION 14 TRANSPORT INFORMATION -

LAND (DOT): NOT REGULATED FOR LAND TRANSPORT

LAND (TDG): NOT REGULATED FOR LAND TRANSPORT

SEA (IMDG): NOT REGULATED FOR SEA TRANSPORT ACCORDING TO IMDG-CODE

MARINE POLLUTANT: NO

AIR (IATA): NOT REGULATED FOR AIR TRANSPORT

SECTION 15 REGULATORY INFORMATION -

OSHA HAZARD COMMUNICATION STANDARD: THIS MATERIAL IS NOT CONSIDERED HAZARDOUS IN ACCORDANCE WITH OSHA HAZOOM 2012, 29 CFR 1910.1200.

LISTED OR EXEMPT FROM LISTING/NOTIFICATION ON THE FOLLOWING CHEMICAL INVENTORIES: AICS, DSL, ENCS, IECSC, KECI, PICCS, TSCA

epcra section 302: This material contains no extremely hazardous substances.

SARA (311/312) REPORTABLE HAZARD CATEGORIES: NONE.

SARA (313) TOXIC RELEASE INVENIORY: THIS MATERIAL CONTAINS NO CHEMICALS SUBJECT TO THE SUPPLIER NOTIFICATION REQUIREMENTS OF THE SARA 313 TOXIC RELEASE PROGRAM.

THE FOLLOWING INGREDIENTS ARE CITED ON THE LISTS BELOW: NONE, THE FOLLOWING INGREDIENTS A

REGULATORY LISTS SEARCHED:

1 = ACGIH AI

2 = ACGIH AI

3 = ACGIH AI

4 = CSHA Z

5 = TSCA 4

6 = TSCA 5A2

7 = TSCA 5E

8 = TSCA 6

9 = TSCA 12B

10 = CA P65 CARC

11 = CA P65 CARC

11 = CA P65 REPRO

12 = CA RTK

13 = IL RTK

14 = IA RTK

15 = MI 293

16 = MN RTK

17 = MJ RTK

18 = PA RTK

19 = RI RTK

19 = RI RTK

19 = RI RTK

CODE KEY: CARC=CARCINOGEN REPRO=REPRODUCTIVE

- SECTION 16 OTHER INFORMATION -

N/D = NOT DETERMINED N/A = NOT APPLICABLE

KEY TO THE H-CODES CONTAINED IN SECTION 3 OF THIS DOCUMENT (FOR INFORMATION ONLY):

H226: FLAMMABLE LIQUID AND VAPOR; FLAMMABLE LIQUID, CAT 3

H302: HARMFUL IF SWALLOWED; ACUTE TOX ORAL, CAT 4

H317: MAY CAUSE ALLERGIC SKIN REACTION; SKIN SENSITIZATION, CAT 1

H318: CAUSES SERIOUS EYE DAMAGE; SERIOUS EYE DAMAGE/IRR, CAT 1

H400: VERY TOXIC TO AQUATIC LIFE; ACUTE ENV TOX, CAT 1

H401: TOXIC TO AQUATIC LIFE; ACUTE ENV TOX, CAT 2

VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS; CHRONIC ENV TOX, CAT 1

H411: TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS; CHRONIC ENV TOX, CAT 2

THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS: UPDATES MADE IN ACCORDANCE WITH IMPLEMENTATION OF GHS REQUIREMENTS.

THE INFORMATION AND RECOMENDATIONS CONTAINED HEREIN ARE, TO THE BEST OF EXCANOBIL'S KNOWLEDGE AND BELIEF, ACCURATE AND RELIABLE AS OF THE DATE ISSUED. YOU CAN CONTACT EXXOMOBIL TO INSURE THAT THIS DOCUMENT IS THE MOST CURRENT AVAILABLE FROM EXXOMOBIL. THE INFORMATION AND RECOMMENDATIONS ARE OFFERED FOR THE USER'S CONSIDERATION AND EXAMINATION. IT IS THE USER'S RESPONSIBILITY TO SATISFY ITSELF THAT THE PRODUCT IS SUITABLE FOR THE INTENDED USE. IF BUYER REPACKAGES THIS PRODUCT, IT IS THE USER'S RESPONSIBILITY TO INSURE PROPER HEALTH, SAFETY AND OTHER NECESSARY INFORMATION IS INCLUDED WITH AND/OR ON THE CONTAINER. APPROPRIATE WARNINGS AND SEFE-HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLESS AND USERS. ALTERATION OF THIS DOCUMENT IS STRICTLY PROHIBITED. EXCEPT TO THE EXTENT REQUIRED BY LAW, RE-PUBLICATION OR RETRANSMISSION OF THIS DOCUMENT, IN WHOLE OR IN PART, IS NOT PERMITTED. THE TERM, "EXCOMMENT, IN WHOLE OR IN PART, IS NOT PERMITTED. THE TERM, "EXCOMMENT USERS OF CONVENIENCE, AND MAY INCLUDE ANY ONE OR MORE OF EXXOMOBIL CHEMICAL COMPANY, EXXON MOBIL CORPORATION, OR ANY AFFILIATES IN WHICH THEY DIRECTLY

OR INDIRECTLY HOLD ANY INTEREST.

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