THIS SDS should be attached or kept with the respective product with which it is associated.

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MOBIL RARUS 427
PRODUCT CODE: 201562020040
INTENDED USE: COMPRESSOR OIL
COMPANY IDENTIFICATION:

SUPPLIER:

22777 SPRINGWOODS VILLAGE PARKWAY
SPRING, TX, 77389
USA

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

PRODUCT TECHNICAL INFORMATION: 800-662-4525

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

SECTION 2 HAZARDS IDENTIFICATION

THIS MATERIAL IS NOT HAZARDOUS ACCORDING TO REGULATORY GUIDELINES (SEE (MSDS SECTION 15)).

OTHER HAZARD INFORMATION:

NOT OTHERWISE CLASSIFIED (NONOC)

PHYSICAL / CHEMICAL HAZARDS: NO SIGNIFICANT HAZARDS.

HEALTH HAZARDS:

HIGH-PRESSURE INJECTION UNDER SKIN MAY CAUSE SERIOUS DAMAGE.

EXCESSIVE EXPOSURE MAY RESULT IN EYE, SKIN, OR RESPIRATORY IRRITATION.

ENVIRONMENTAL HAZARDS: NO SIGNIFICANT HAZARDS.

INCOMING HAZARD ID:

HEALTH 0
FLAMMABILITY 1
REACTIVITY 0

NOTE:

THIS MATERIAL SHOULD NOT BE USED FOR ANY OTHER PURPOSE THAN THE INTENDED USE IN SECTION 1 WITHOUT EXPERT ADVICE. HEALTH STUDIES HAVE SHOWN THAT CHEMICAL EXPOSURE MAY CAUSE POTENTIAL HUMAN HEALTH HAZARDS WHICH MAY BE SEEN FROM PERSON TO PERSON.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

THIS MATERIAL IS DEFINED AS A MIXTURE.

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

NAME

CAS NO. CONCENTRATION GHS HAZARD CODES

OXA-LITHA 8347-65-9 0.1 < 1%
PHOSPHATE TRIDECAMONI 
ACID ETHYLCETESTER 

SECTION 4 FIRST AID MEASURES

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 IMMEDIATE MEDICAL ASSISTANCE. IF BREATHEING HAS STOPPED, ASSIST VENTILATION WITH A MECHANICAL DEVICE OR USE MOUTH-TO-MOUTH RESUSCITATION.

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, EVEN THOUGH INITIAL SYMPTOMS FROM HIGH DOSAGE INJECTION MAY BE MINIMAL OR ABSENT. EARLY SURGICAL TREATMENT WITHIN THE FIRST FEW HOURS MAY SIGNIFICANTLY REDUCE THE ULTIMATE EXTENT OF INJURY.

EYE CONTACT:

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

INGESTION:

FIRST AID IS NOT NORMALLY REQUIRED. SEEK MEDICAL ATTENTION IF DISCOMFORT OCCURS.

SECTION 5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

APPROPRIATE EXTINGUISHING MEDIA:
USE WATER FOG, FOAM, DRY CHEMICAL OR CARBON DIOXIDE (CO2) TO EXTINGUISH FLAMES.

INAPPROPRIATE EXTINGUISHING MEDIA:

STRAIGHT STREAMS OF WATER

FIREFIGHTING:

FIREFIGHTING INSTRUCTIONS:
EVALUATE AREA PRIOR TO APPROACHING FIRE. IF A FIRE OCCURS IN A ENCLOSURE, OPEN DOORS TO ALLOW FOR FREE MOVEMENT OF THE IMMEDIATE SPACE.

Hazardous Combustion Products:

SMOKE, FUMES, ALDEHYDES, OXIDES OF CARBON, SULFUR OXIDES, INCORPORATE COMBUSTION PRODUCTS

FLAMMABILITY PROPERTIES:

FLASH POINT [METHOD]: >210 DEG. C [610 DEG.F.] [ASTM D-92]

FLAMMABLE LIMITS (APPROXIMATE VOLUME % IN AIR):

LEL: 0.9
UEL: 7.0

AUTOIGNITION TEMPERATURE: N/D

SECTION 6 ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES:

IN THE EVENT OF A SPILL OR ACCIDENTAL RELEASE, NOTIFY RELEVANT AUTHORITIES IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS. IT IS RECOMMEND TO REPORT RELEASES OF THIS MATERIAL TO THE ENVIRONMENT WHICH EXCEED THE APPLICABLE REPORTABLE QUANTITY OF OR SPIES 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. USE A SOFT, DRY, AND CLEAN SPATULA TO MOVE THE MATERIAL TO A SAFE PLACE.' SECTION 4 FOR FIRST-AID ADVICE. SEE SECTION 6 FOR ADVICE ON THE MINIMUM REQUIREMENTS FOR PERSONAL PROTECTIVE EQUIPMENT. ADDITIONAL PROTECTIVE MEASURES MMay BE NECESSARY, DEPENDING ON THE SPECIFIC CIRCUMSTANCES AND/OR THE EXPERT JUDGMENT OF THE EMERGENCY RESPONDERS.

FOR EMERGENCY RESPONDERS:

RESPIRATORY PROTECTION:

RESPIRATORY PROTECTION WILL BE NECESSARY ONLY IN SPECIAL CASES, E.G. FORMATION OF MISTS, HALF-FACE OR FULL-FACE RESPIRATOR WITH FILTERS FOR DUS/ORGANIC VAPOR OR SELF-CONTAINED BREATHING APPARATUS (SCBA) 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 ATMOSPHERE IS POSSIBLE OR ANTICIPATED. SCBA IS RECOMMENDED. GLOVES MADE OF POLYVINYL ACETATE (PVA) 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.

LARGE SPILLS:

USE A COMPLETE SUIT OF CHEMICAL RESISTANT, ANTISTICATIC MATERIAL IS RECOMMENDED.

SLIP MANAGEMENT:

LAND SLIP:

STOP LEAK IF YOU CAN DO IT WITHOUT RISK. RECOVER BY PUMPING OR WITH SUITABLE ABSORBENTS.

WATER SLIP:

STOP LEAK IF YOU CAN DO IT WITHOUT RISK. RECOVER THE SLIP IMMEDIATELY WITH BOOMS, WARN OTHERS, USE FLAME, REMOVE FROM THE SURFACE BY SKIMMING OR WITH SUITABLE ABSORBENTS. SEEK THE ADVICE OF A SPECIALIST BEFORE USING ORDMERS.

WATER SLIP AND LAND SLIP RECOMMENDATION ARE BASED ON THE MOST LIKELY SLIP SCENARIO FOR THIS MATERIAL; HOWEVER, GEOGRAPHIC CONDITIONS, WIND, CURRENT, AND IN THE CASE OF WATISH CHANGES, SHORTENING 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.

ENVIRONMENTAL PRECAUTIONS:

LARGE SPILLS:
DIRE FORMATION OF LIQUID SPILL FOR FUTURE RECOVERY AND DISPOSAL.
ODOR CHARACTERISTIC
ODOR THRESHOLD: N/D

IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION:
RELATIVE DENSITY (AT 15 DEG.C): 0.879
FLAMMABILITY (GAS, SOLID): N/A
FLASH POINT (METHOD): >210 DEG.C (410 DEG.F) (ASTM D-92)
FLAMMABLE LIMITS (APPROXIMATE VOLUME % IN AIR):
LEL: 0.6
UEL: 7.6

AUTOIGNITION TEMPERATURE: N/D
BOILING POINT / RANGE: >316 DEG.C (605 DEG.F)
DECOMPOSITION TEMPERATURE: N/D
VAPOR DENSITY (AIR = 1): >2 AT 101 KPA
VAPOR PRESSURE: <0.013 KPA (0.1 MGH) 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: 100 CST (100 M/SEC) AT 40 DEG.C

OXIDIZING PROPERTIES: SEE HAZARDS IDENTIFICATION SECTION
OTHER INFORMATION:
FREEZING POINT: N/D
MELTING POINT: N/A
POUR POINT: >9 DEG.C (16 DEG.F)
DMOG EXTRACT (MINERAL OIL ONLY), B.P. 346: <9% 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: MINIMALLY TOXIC, BASED ON NO END POINT DATA FOR MATERIAL. ASSESSMENT OF THE COMPONENTS.
IRRITATION: NEGLIGIBLE HAZARD AT NO END POINT DATA FOR MATERIAL. AMBIENT/NORMAL HANDLING TEMPERATURES.

INGESTION:
ACUTE TOXICITY: MINIMALLY TOXIC, BASED ON NO END POINT DATA FOR MATERIAL. ASSESSMENT OF THE COMPONENTS.
SKIN:
ACUTE TOXICITY: MINIMALLY TOXIC, BASED ON NO END POINT DATA FOR MATERIAL. ASSESSMENT OF THE COMPONENTS.
SKIN CORROSION/IRRITATION: NEGLIGIBLE IRRITATION TO SKIN AT NO END POINT DATA FOR MATERIAL. AMBIENT TEMPERATURES. BASED ON ASSESSMENT OF THE COMPONENTS.

EYE:
SERIOUS EYE DAMAGE/IRRITATION: MAY CAUSE MILD SHORT-LASTING DISCOMFORT TO EYES. BASED ON ASSESSMENT OF THE COMPONENTS.

SENSITIZATION:
RESPIRATORY SENSITIZATION: NOT EXPECTED TO BE A RESPIRATORY NO END POINT DATA FOR MATERIAL. SENSITIZER.
SKIN SENSITIZATION: NOT EXPECTED TO BE A SKIN NO END POINT DATA FOR MATERIAL. SENSITIZER BASED ON ASSESSMENT OF THE COMPONENTS.
ASPIRATION DATA AVAILABLE: NOT EXPECTED TO BE AN ASPIRATION HAZARD, BASED ON PHYSICOCHEMICAL PROPERTIES OF THE MATERIAL.

GEM CELL MUTAGENICITY: NOT EXPECTED TO BE A GERM CELL NO END POINT DATA FOR MATERIAL. MUTAGEN. BASED ON ASSESSMENT OF THE COMPONENTS.
CARCINOGENICITY: NOT EXPECTED TO CAUSE CANCER.
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 WAS TEA/ER SOLIDS.

STABILITY AND DEGRADABILITY:
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 BIOACCUMULATION OR LIMIT BIOAVAILABILITY.

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:
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. DISPOSAL OF USED OIL AT DESIGNATED SITES. MINIMIZE SKIN CONTACT. DO NOT MIX USED OILS WITH SOLVENTS, BRAKE FLUIDS OR COOLANTS.

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 261), NOR IS IT FORMULATED TO CONTAIN MATERIALS WHICH ARE LISTED AS HAZARDOUS WASTES. IT DOES NOT DISPLAY HAZARDOUS CHARACTERISTICS OF IGNITABILITY, CORROSIVITY 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 DRUMS 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 CONTRACTORS AND IN ACCORDANCE WITH GOVERNMENTAL REGULATIONS. DO NOT PRESSURE CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, 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

(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:

LISTED OR EXEMPT FROM LISTINGS/NOTIFICATION ON THE FOLLOWING CHEMICAL INVENTORIES: AICS, DSI, IFSCC, KEC, TSCA

SPECIAL CASES:
INVENTORY STATUS
ENCS
RESTRICTIONS APPLY

EPCRA SECTION 302: THIS MATERIAL CONTAINS NO EXTREMELY HAZARDOUS SUBSTANCES.
SARA (311/312) REPORTABLE HAZARD CATEGORIES: NONE
SARA (313) TOXIC RELEASE INVENTORY: 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.

REGULATORY LISTS SEARCHED:
1 = ACGIH ALL
2 = ACGIH A1
3 = ACGIH A2
4 = OSHA 2
5 = TSCA 4
6 = TSCA Sa2
7 = TSCA Sc
8 = TSCA 6
9 = TSCA 12B
10 = CA PGs CARC
11 = CA PGs REPRO
12 = CA BHT
13 = ILBHT
14 = LA BHT
15 = MI 251
16 = MN BHT
17 = NE BHT
18 = PA BHT
19 = WI BHT

CODE KEY:
CARCINOGENIC
REPRO = REPRODUCTIVE

SECTION 16 OTHER INFORMATION

NID = NOT DETERMINED
NA = NOT APPLICABLE

KEY TO THE H-CODES CONTAINED IN SECTION 3 OF THIS DOCUMENT FOR INFORMATION ONLY:
H315: CAUSES SKIN IRRITATION; SIGN CORRUPTION, CAT 2
H317: MAY CAUSE ALLERGIC SKIN REACTION; SKIN SENSITIZATION, CAT 1
H401: TOXIC TO AQUATIC LIFE; ACUTE ENV TOX, CAT 2
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.

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