

MATERIAL SAFETY DATA SHEET (MSDS)

This MSDS should be attached or kept with the respective product with which it is associated.

Mobil Barus 427 75009
Rex 169A

MATERIAL SAFETY DATA SHEET
4F978, 4ZF21
606202-00
MOBIL OIL CORPORATION MATERIAL SAFETY DATA BULLETIN
REVISED: 06/21/93

I. PRODUCT IDENTIFICATION

MOBIL BARUS 427
SUPPLIER: MOBIL OIL CORP.
CHEMICAL NAMES AND SYNONYMS: CHEMTEC
PET. HYDROCARBONS AND ADDITIVES
USE OR DESCRIPTION: COMPRESSOR OIL
24-HOUR EMERGENCY (CALL COLLECT): (609) 737-4411
PRODUCT AND MSDS INFORMATION: (800) 424-9300 (800) 662-4525

II. TYPICAL CHEMICAL AND PHYSICAL PROPERTIES

APPEARANCE: Amber Liquid
VISCOSITY AT 40 C. CS: 95.7
VISCOSITY AT 100 C. CS: 11.3
FLASH POINT F(C): > 450 (232) (ASTM D-92)
MELTING POINT F(C): NA
POUR POINT F(C): 20(-7)
BOILING POINT F(C): > 500(316)
VOC: < 5.00(Wt. %); 0.367 lbs/gal
RELATIVE DENSITY, 15/4 C: 0.88
SOLUBILITY IN WATER: Negligible
VAPOR PRESSURE-mm Hg 20C: < 0.1
PH: NA
ODOR: Mild

NA=Not Applicable NE=Not Established D=Decomposes
FOR FURTHER INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE.

III. POTENTIALLY HAZARDOUS INGREDIENTS

None

SEE SECTIONS XII AND XIII FOR REGULATORY AND FURTHER COMPOSITIONAL DATA.

IV. HEALTH HAZARD DATA

--- INCLUDES AGGRAVATED MEDICAL CONDITIONS, IF ESTABLISHED ---
THRESHOLD LIMIT VALUE: 5.00 MG/M3 Suggested for Oil Mist
EFFECTS OF OVEREXPOSURE: No significant effects expected.

V. EMERGENCY AND FIRST AID PROCEDURES

FOR PRIMARY ROUTES OF ENTRY ---
EYE CONTACT:
Flush thoroughly with water. If irritation occurs, call a physician.
SKIN CONTACT:
Wash contact areas with soap and water.
INHALATION:
Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance and call a physician. If breathing has stopped, use mouth to mouth resuscitation.
INGESTION:
Not expected to be a problem. However, if greater than 1/2 liter (pint) ingested, immediately give 1 to 2 glasses of water and call a physician, hospital emergency room or poison control center for assistance. Do not induce vomiting or give anything by mouth to an unconscious person.

VI. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT F(C): > 450(232) (ASTM D-92)
FLAMMABLE LIMITS, LEL: 0.6% UEL: 7.0%
EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog
SPECIAL FIRE FIGHTING PROCEDURES:
Water or foam may cause frothing. Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure. For fires in enclosed areas, firefighters must use self-contained breathing apparatus. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None.
NFPA HAZARD ID: Health: 0, Flammability: 1, Reactivity: 0

VII. REACTIVITY DATA

STABILITY (Thermal, Light, etc.): Stable
CONDITIONS TO AVOID: Extreme heat.
INCOMPATIBILITY (Materials to Avoid): Strong oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide.
HAZARDOUS POLYMERIZATION: Will not occur.

VIII. SPILL OR LEAK PROCEDURE

ENVIRONMENTAL IMPACT:
Report spills as required to appropriate authorities. U.S. Coast Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to Coast Guard toll free number (800) 424-8802. In case of accident or road spill notify CHEMTEC (800) 424-9300.
PROCEDURES IF MATERIAL IS RELEASED OR SPILLED:
Adsorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.
WASTE MANAGEMENT:
Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at any government approved waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

IX. SPECIAL PROTECTION INFORMATION

EYE PROTECTION: Normal industrial eye protection practices should be employed.
SKIN PROTECTION: No special equipment required. However, good personal hygiene practices should always be followed.
RESPIRATORY PROTECTION: No special requirements under ordinary conditions of use and with adequate ventilation.
VENTILATION: Use in well ventilated area.

X. SPECIAL PRECAUTIONS

HANDLING: This material is not intended for use in air compressors for breathing applications.

XI. TOXICOLOGICAL DATA

--- ACUTE TOXICOLOGY ---
ORAL TOXICITY (RATS): Practically non-toxic (LD50: greater than 2000 mg/kg). --- Based on testing of similar products and/or the components.
DERMAL TOXICITY (RABBITS): Practically non-toxic (LD50: greater than 2000 mg/kg). --- Based on testing of similar products and/or the components.
INHALATION TOXICITY (RATS): Not established.
EYE IRRITATION (RABBITS): Practically non-irritating. (Draize scores 0 or greater but 6 or less). ---Based on testing of similar products and/or the components.
SKIN IRRITATION (RABBITS): Practically non-irritating. (Primary Irritation Index: 0.5 or less). ---Based on testing of similar products and/or the components.
--- SUBCHRONIC TOXICOLOGY (SUMMARY) ---
Severely solvent refined and severely hydrotreated mineral base oils have been tested at Mobil Environmental and Health Sciences Laboratory by dermal application to rats 5 (40 days/week for 90 days at doses significantly higher than those expected during normal industrial exposure. Extensive evaluations, including microscopic examination of internal organs and clinical chemistry of body fluids, showed no adverse effects.
--- CHRONIC TOXICOLOGY (SUMMARY) ---
The base oils in this product are severely solvent refined and/or severely hydrotreated. Chronic mouse skin painting studies of severely treated oils showed no evidence of carcinogenic effects.

XII. REGULATORY INFORMATION

GOVERNMENTAL INVENTORY STATUS: All components comply with TSCA and EINECS/ELINCS.
Transport Information: Please see Section XIV.

US OSHA HAZARD COMMUNICATION STANDARD: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined not to be hazardous.

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 hazardous wastes. It does not exhibit the 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 U.S. Superfund Amendments and Reauthorization Act (SARA) TITLE III:

This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".
SARA (311/312 -FORMERLY 302) REPORTABLE HAZARD CATEGORIES: NONE

This product contains no chemicals reportable under SARA (313) toxic release program.

THE FOLLOWING PRODUCT INGREDIENTS ARE CITED ON THE LISTS BELOW:
CHEMICAL NAME CAS NUMBER LIST CITATIONS
NO REPORTABLE INGREDIENTS

--- REGULATORY LISTS SEARCHED ---

1-ACGIH ALL 6-IARC 1 11-TSCA 4 17-CA P65 22-NI 293
2-ACGIH AL 7-IARC 2A 12-TSCA 5a2 18-CA RTK 23-HH RTK
3-ACGIH A2 8-IARC 2B 13-TSCA 5e 19-FL RTK 24-NJ RTK
4-NTP CARC 9-OSHA CARC 14-TSCA 6 20-FL RTK 25-PA RTK
5-NTP SUS 10-OSHA Z 15-TSCA 12b 21-LA RTK 26-RI RTK

CARC = CARCINOGEN; SUS = SUSPECTED CARCINOGEN
NOTE: MOBIL PRODUCTS ARE NOT FORMULATED TO CONTAIN PCBs.

XIII. INGREDIENTS

INGREDIENT DESCRIPTION PERCENT CAS NUMBER
CONTAINS THE FOLLOWING BASE OIL: > 95.00
DISTILLATES (PETROLEUM), HYDROTREATED 64742-54-7
HEAVY PARAFFINIC
ALKYL AMIDES < 3.00 NJT 800967-5095P

XIV. TRANSPORT AND LABEL INFORMATION

USA DOT: NOT REGULATED BY USA DOT.
IMO: NOT REGULATED BY IMO.
IATA: NOT REGULATED BY IATA.

APPENDIX

FOR MOBIL USE ONLY: MHC: 1* 1* NE 0* 0*, MPPEC: A, PPEC: ,
US93-256
APPROVE CODE:13 04/22/93 REQ: US - MARKETING

INFORMATION GIVEN HEREIN IS OFFERED IN GOOD FAITH AS ACCURATE, BUT WITHOUT GUARANTEE. CONDITIONS OF USE AND SUITABILITY OF THE PRODUCT FOR PARTICULAR USES ARE BEYOND OUR CONTROL. ALL RISKS OF USE OF THE PRODUCT ARE THEREFORE ASSUMED BY THE USER AND WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS.

PREPARED BY: MOBIL OIL CORPORATION
ENVIRONMENTAL HEALTH AND SAFETY DEPARTMENT, PRINCETON, NJ
FOR FURTHER INFORMATION, CONTACT:
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