

Material Safety Data Sheet

Section 1 - Product And Company Identification

Product Name : BOFP P500N Base Oil

Chemical Name: Catalytic Dewaxed Paraffinic Oil

CAS Number : 64742-70-7

Company Details : TENOIT CO., LTD.

Room 4, 5FL., No. 109, Sec. 6, Mingquan East Road, Taipei, Taiwan

EMERGENCY TELEPHONE NUMBER : TEL (886) 2 8792-2185 8792-2187

FAX (886) 2 8792-2151

Section 2 - Composition And Information On Ingredients

This product is not formulated to contain ingredients which have exposure limits established by U. S. agencies. It is not hazardous to health as defined by the European Union Dangerous Substances/Preparations Directives. See section 15 for a regulatory analysis of the ingredients.

COMPONENTS	CAS NUMBER	AMOUNT
CATALYTIC DE WAXED HEAVY PARAFFINIC OIL (PETROLEUM)	64742-70-7	100%

Section 3 - Hazardous Identification

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

EFFECTS OF OVEREXPOSURE: No significant effects expected.

EMERGENCY RESPONSE DATA: Amber Liquid. DOT ERG No, - NA

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 breathing 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 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 pressure 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 normally not 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

FIRE FIGHTING

Fire Fighting Instruction: Evacuate area. Prevent runoff from control or dilution from entering streams, sewers or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

Hazardous Combustion Products: sulfur oxides, Aldehydes, Oxides of carbon, Incomplete combustion products, Smoke, Fume

FLAMMABILITY PROPERTIES

Flash Point [Method]: >219°C (426°F) [ASTM D-93]

Flammable Limits (Approximate volume % in air): LEL: 0.9 UEL: 7.0

Autoignition Temperature: NO DATA Available.

Section 6 - Accidental release Measures

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NOTIFICATION PROCEDURES

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. US regulations require reporting release of this material to the environment which exceed the applicable reportable quantity or oil spills which could reach any waterway including intermitted dry creeks.

SPILL MANAGEMENT

Land Spill: Stop leak if you can do it without risk. Recover by pumping or with suitable absorbent.

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.

ENVIRONMENTAL PRECAUTIONS

Prevent spills from entering storm sewers or drains and contact with soil.

Section 7 - Handling and Storage

HANDLING: No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection advice when handling this product.

STORAGE: Do not store in open or unlabelled containers. Store away from strong oxidizing agents or combustible material.

Section 8 - Exposure Controls/Personal Protection

VENTILATION: No special requirements under ordinary conditions of use and with adequate ventilation.

RESPIRATORY PROTECTION: No special requirements under ordinary conditions of use and with adequate ventilation.

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.

EXPOSURE LIMITS: This product does not contain any components which have recognized exposure limits.

Section 9 - Physical and Chemical Properties

Typical physical and chemical properties are given below. Consult the Supplier in Section 1 for additional data.

GENERAL INFORMATION

Physical State: Liquid

Color: Colorless

Odor: Mild

Odor Threshold: N/E

IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION

Relative Density (at 15°C): 0.866

Flash Point [Method]: >219°C (426°F) [ASTM D-93]

Flammable Limits (Approximate volume % in air): LEL:0.9 UEL:7.0

Autoignition Temperature: N/A

Boiling Point/Range:>370°C (698°F)

Vapor Density(Air=1): N/E

Vapor Pressure:<0.1 mm Hg at 20°C

Evaporation Rate (n-butyl acetate=1):ND

pH: N/A

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Log Pow (n-Octanol/Water Partition Coefficient): >3.5

Solubility in Water: Negligible

Viscosity: 88.3cSt at 40°C | 10.8 cSt at 100°C

OTHER INFORMATION

Freezing Point: N/E

Melting Point: N/A

Pour Point: <-20°C (-4°F)

Section 10 - Stability and Reactivity

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.

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

Acute TOXICOLOGY

Oral Toxicity (RATS): Practically non-toxic (LD 50: greater than 2000 mg/kg). - based on testing of similar products and/or the components.

Dermal Toxicity (RABBITS): Practically non-toxic (LD 50; greater than 2000 mg/kg). -based on testing of similar products and/or the components.

Inhalation Toxicity (RATS): Not applicable- Harmful concentrations of mists and/or vapors are unlikely to be encountered through any customary or reasonably foreseeable handling, use, or misuse of this product.

Eye Irritation (RABBITS): Practically non-irritating. (Draize score: 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: greater than 0.5 but less than 3). - based on testing of similar products and/or the components.

Section 12 - Ecological Information

ENVIRONMENTAL FATE AND EFFECTS: Not established.

Section 13 - Disposal Considerations

WASTE DISPOSAL: 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 an appropriate government 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.

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 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.

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

AIR (IATA): Not Regulated for Air Transport

Section 15 - Regulatory Information

OSHA HAZARD COMMUNICATION STANDARD: When used for its intended purposes, this material is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

NATIONAL CHEMICAL INVENTORY LISTING: AICS, IECSC, DSL, EINECS, ENCS, KECI, PICCS, TSCA

EPCRA: This material contains no extremely hazardous substances.

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CERCLA: This material is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). Contact local authorities to determine if other reporting requirements apply.

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.

REGULATORY LISTS SEARCHED-

1=ACGIH ALL	6=IARC 1	11=TSCA 4	16=CA P65 CARC	21=LA RTK
2=ACGIH A1	7=IARC 2A	12=TSCA 5a2	17=CA P65 REPRO	22=MI 293
3=ACGIH A2	8=IARC 2B	13=TSCA 5e	18=CA RTK	23=MN RTK
4=NTP CARC	9=OSHA CARC	14=TSCA 6	19=FL RTK	24=NJ RTK
5= NTP SUS	10=OSHA Z	15=TSCA 12b	20=IL RTK	25=PA RTK
				26=RI RTK

Code key: CARC= Carcinogen; SUS= Suspected Carcinogen; REPRO=Reproductive

Section 16 - Other Information

N/D= Not Applicable. N/A= Not Estabilshed.

Disclaimer :

The information contained herein is based upon data believed to be reliable and reflects our best professional judgment. It is the responsibility of the user to determine the suitability of the material for their purpose. No warranty is expressed or implied, is given.