

Material Safety Data Sheet

Section 1 - Product And Company Identification		
Product Name : WOFP F380N (Food Grade White Oil) Product Description: White Mineral Oil 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		
COMPONENTS	CAS NUMBER	AMOUNT
White Mineral Oil(PETROLEUM)	8042-47-5	100%
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.		
Section 3 - Hazardous Identification		
Under normal condition of use, this product is not considered to be hazardous according to regulatory guidelines (see (M)SDS Section 15). EMERGENCY OVERVIEW: Colorless Liquid. DOT ERG No. - NA POTENTIAL HEALTH EFFECTS: Under normal conditions of intended use, this product dose not pose a risk to health. Excessive exposure may result in eye, gastrointestinal, or respiratory irritation.		
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: 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. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus. FLAMMABILITY PROPERTIES Flash Point [Method]: >240°C (464°F) [ASTM D-92] Flammable Limits (Approximate volume % in air): LEL: 0.9 UEL: 7.0 Autoignition Temperature: NO DATA Available.		
Section 6 - Accidental release Measures		
NOTIFICATION PROCEDURES		

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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: Confine the spill immediately with booms. Stop leak if you can do it without risk. 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: Prevent small spills and leakage to avoid slip hazard.

Static Accumulator: This material is a static accumulator.

STORAGE: Do not store in open or unlabelled containers.

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/D

IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION

Relative Density (at 15°C): 0.86

Flash Point [Method]: >240°C (464°F) [ASTM D-92]

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

Autoignition Temperature: N/D

Boiling Point/Range: >230°C (446°F)

Vapor Density(Air=1): N/E

Vapor Pressure: <0.001 kg/cm²-a at 40°C

Evaporation Rate(n-butyl acetate=1): N/D

pH: N/A

Log Pow (n-Octanol/Water Partition Coefficient): N/E

Solubility in Water: Negligible

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Viscosity: 65~80 cSt at 40°C OTHER INFORMATION Freezing Point: N/D Melting Point: N/A Pour Point: <-9°C (-15.8°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	
<u>Acute Toxicology</u>	
<u>Route of Exposure</u>	<u>Conclusion/Remarks</u>
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 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	
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. 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 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. Empty Container Warning PRECAUTIONARY LABEL TEXT: Empty containers may retain residue and can be dangerous. DO NOT PRESSURIZE, 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. Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.	
Section 14 - Transport Information	
LAND (DOT): Not regulated for Land Transport LAND (TDG): Not regulated for Land Transport	

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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.

Material is not dangerous as defined by physical/chemical and health criteria of the EU Dangerous Substance/Preparations Directives.

LABELING: Not regulated

REGULATORY STATUS AND APPLICABLE LAW AND REGULATIONS

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS(Australia), DSL(Canada), EINECS(European Union), ENCS(Japan), IECSC(China), KECI(Korea), PICCS (Philippines), TSCA(United States).

Section 16 - Other Information

N/D= Not determined. N/A= Not applicable

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.