



Micro Oil, Inc. SAFETY DATA SHEET

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1. CHEMICAL, PRODUCT AND COMPANY IDENTIFICATION

MSDS Number: 60F

MSDS Date: 09/01/2016

Product Name: Micro Blend 60F

Company: Micro Oil, Inc.
501 Ave M South
Saskatoon, SK S7M 2K8
Canada

Phone Number: 306-477-4323
Technical Service: 306-477-4324 (in Canada or USA)
Regulatory Information: 306-477-4324

Emergency Phone: 306-477-4324 (Canada)
613-996-6666 (CANUTEC - in Canada Call Collect)
800-424-9300 (CHEMTREC - in USA and Canada)

Common Names: This MSDS applies to the following product descriptions for Hazard Communications purposes only. Technical Specifications vary depending on the product and are not reflected in this document. Consult specification sheets for technical information.

Micro Blend 60F	MB 60F
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2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL FAMILY, COMMON NAME	CAS NUMBER
Petroleum Hydrocarbon, Hydrotreated Naphthenic Oil	64742-53-6

3. HAZARDS INFORMATION

CARCINOGENICITY:

ACGIH, NTP, OSHA and IARC carcinogen lists were checked for those components with CAD Registry Number (64742-53-6).

ACGIH: This product is not listed as carcinogenic
IARC: The International Agency for research on cancer has concluded that highly or severely refined light and middle distillates are Group 3 substances, "not

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Classifiable as to their carcinogenicity to humans, based on inadequate human or animal evidence”.

NTP: This product is not listed as carcinogenic
OSHA: This product is not listed as carcinogenic

Canadian WHIMS:

Not a “Hazardous Product” under WHIMS classifications.

HMIS and NFPA HAZARD INDEX

HMIS and NFPA RATINGS

Hazardous Materials Identification System	4 - Severe 3 - Serious 2 - Moderate 1 - Slight 0 - Minimal	Health Flammability Reactivity	1 1 0
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4. FIRST AID MEASURES

Immediate treatment:

Eye contact:

May cause eye irritation. Flush with large amounts of water for at least 15 minutes. Call a physician.

Skin contact:

Wash skin thoroughly with soap and water after handling. **Prolonged or repeated contact may cause dermatitis (skin irritation).**

If hot material contacts skin, immediately cool before attempting removal. Cool with water or ice. Apply topical dressing. Severe blistered burns should be treated by a physician.

Inhalation:

Remove to fresh air. If breathing is difficult, give oxygen and call a physician.

Ingestion:

No data available. **Contact a physician.**

NOTE TO PHYSICIANS

Routes of entry: Eyes, skin, ingestion, inhalation of mist.

Target organs: Eyes, skin, respiratory system.

5. FIRE AND EXPLOSION DATA

Special hazards or procedures:

MATERIAL WILL NOT BURN UNLESS PREHEATED. DO NOT ENTER CONFINED FIRE-SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES AND RUBBER BOOTS), INCLUDING A POSITIVE-PRESSURE NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER. See extinguishing media.

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Protective equipment:

As in any fire, firefighters must be equipped to prevent breathing of vapors or products of combustion. Wear an approved self-contained breathing apparatus and protective clothing.

Extinguishing media:

USE WATER FOG, FOAM, DRY CHEMICAL OR CO2. DO NOT USE A DIRECT STREAM OF WATER. PRODUCT WILL FLOAT AND CAN BE REIGNITED ON SURFACE OF WATER.

6. ACCIDENTAL RELEASE MEASURES

Procedures for spill clean-up:

Shut off leak and dike up large spills. Absorb with an inert material such as sand, soil or vermiculite. Sweep up absorbent and dispose according to regulatory requirements.

7. HANDLING AND STORAGE

Handling:

Avoid fire, sparks or open flame. Keep drums tightly closed to prevent contamination. Avoid skin and eye contact. Wear recommended personal protection equipment. Discard or wash contaminated clothing before reuse.

Ventilation required:

Use adequate ventilation to keep airborne concentrations of this material below the established exposure standard.

Storage:

Keep containers closed and store in a cool, well-ventilated place away from incompatible materials. ATTENTION: Never use pressure to empty drums.

8. EXPOSURE CONTROL/PERSONNEL PROTECTION

Respiratory Protection: If operating conditions create airborne concentrations that exceed the exposure standard for this product, the use of an approved NIOSH/OSHA respirator with dual organic vapor/mist and particulates cartridge.

Skin Protection: Long sleeve cotton shirt and cotton pants are recommended. Use neoprene type gloves and apron.

Eye Protection: Wear chemical safety goggles and/or a face shield. Contact lenses should not be worn.

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9. PHYSICAL AND CHEMICAL PROPERTIES

<u>Appearance:</u>	Water white
<u>Odor:</u>	Faint petroleum odor
<u>Physical state:</u>	Liquid
<u>Initial Boiling Point:</u>	317 °C
<u>Flash Point</u>	Method: ASTM D92 Units: °C Result: 163
<u>Vapor Pressure (mmHg):</u>	<0.1 mm HG @ 100 °F (ASTM D-2879)
<u>Vapor density (air = 1):</u>	4
<u>Evaporation Rate (Ethyl Ether = 1):</u>	<1
<u>Specific Gravity (water = 1):</u>	0.91
<u>Solubility in Water:</u>	NIL

10. STABILITY AND REACTIVITY

This product is stable and not subject to hazardous polymerization.

Hazardous decomposition products:

Releases of CO, smoke and irritating fumes when heated to decomposition.

Incompatible materials:

Strong oxidizers such as hydrogen peroxide, oxidizing chlorine and bromine compounds (e.g. chlorine bleach), and chromic acid.

Conditions to avoid:

Sources of ignition, oxidizing agents; skin and eye contact.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

May cause eye and skin irritation. The handling procedures and safety precautions in this MSDS should be followed to minimize employee exposure.

Chronic toxicity:

No data available.

12. DISPOSAL CONSIDERATIONS

Not a hazardous waste if disposed of as is, by the definitions of the U.S. EPA. Dispose of properly complying with appropriate laws and regulations.

13. TRANSPORTATION INFORMATION

US DOT and Canadian TDG

PROPER SHIPPING NAME:	Petroleum distillates, n.o.s.
HAZARD CLASS:	3 (Combustible Liquid)
ID Number:	UN1268
PACKAGING GROUP:	III
REQUIRED LABEL:	(CLASS 3)

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14. REGULATORY INFORMATION

U.S. Federal Regulations:

TSCA (Toxic Substance Control Act) Registry: Listed

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act): This product is not a hazardous substance under CERCLA

SARA TITLE III (Superfund Amendments and Reauthorization Act):

302/304 Not listed as an extremely hazardous substance in 40CFR Part 355, and is not know to contain an extremely hazardous substance in concentration greater than one percent by weight.

311/312 Hazard Categories:

Acute Health Hazard: No

Chronic Health Hazard: No

Fire Hazard: No

Pressure Release Hazard: No

Reactivity Hazard: No

313 Not known to contain any components in contraptions above minimum levels that are listed as toxic in 40CFR Pat 372 pursuant to the requirements of Sections 313 of SARA.

Canadian WHIMS: Not a "Hazardous Product" under WHIMS classifications.

OSHA: 29CFR 1910.1200 (Hazard Communication) required

Chemical Inventory Information:

Product is listed in the following chemical inventories: TSCA (United States) EINECS (European Union), ENCS (Japan), AICS (Australia), DSL (Canada).

15. OTHER INFORMATION

Comments: This product has not been tested in long term, chronic exposure, therefore, the handling procedures and safety precautions in the MSDS should be followed to minimize employee exposure.

Label Information for the United States:

CAUTION: May cause skin and eye irritation. Do not swallow. Avoid eye and skin contact. Wash thoroughly after handling. Avoid contact with clothing. Wash clothing before reuse. Keep out of reach of children. Keep containers tightly closed when not in use. Avoid breathing mists or sprays of this product or its solutions.

EMERGENCY FIRST AID PROCEDURES

Eye contact: Flush with large amounts of water for at least 15 minutes. Call a physician.

Skin contact: Wash skin thoroughly with soap and water after handling.
If hot material contacts skin, immediately cool before attempting removal. Cool with water or ice. Apply topical dressing. Severe blistered burns should be treated by a physician.

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen and call a physician.

Ingestion: Call a physician. Induce vomiting if victim is conscious. Never give anything by mouth to an unconscious person.

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FOR INDUSTRIAL USE ONLY:

Never use pressure to empty container, a drum is not a pressure vessel. When empty, drum may have vapor or product residue. Residual vapors may explode on ignition; do not puncture, drill, grind, or weld on or near this container.

Revision date: September 1, 2016

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