



SAFETY DATA SHEET

Fuel Oil

MSDS No. : Fuel Oil-2016

SECTION 1: Product and company Identification

1.1 Product Identifier

Product Name: Fuel Oil

Synonyms: Light Fuel Oil – Mazut 280

Chemical Family: A mixture of hydrocarbons

1.2 Product Use

Fuel Oil is used as a fuel.

1.3 Detail of the supplier of the safety data sheet

Manufacture / Supplier / Importer: Tabriz Oil Refining Company
5 Tabriz – Azarshar Road
Tabriz,
East Azerbaijan,
I.R Iran.
Postal Cod: 5197131111
www.tabrizrefinery.co.ir

Contact person: General Information
+98-4121148305
info@tbzrefinery.co.ir

Emergency telephone number: +98- 4121149117-118

SECTION 2: Hazard Identification

Danger:

Flammable liquid.

Skin irritation.

Eye irritation.

Respiratory trace irritation.

Aspiration hazard if swallowed.

Can enter lungs and cause damage.

May cause drowsiness or dizziness.



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Target Organs:

Central nervous system, respiratory system, eyes, skin, peripheral nervous system.

Potential Health Effects:

Eye: Causes eye irritation.

Skin: Prolonged and/or repeated contact may cause dermatitis.

Ingestion: May cause irritation to the digestive tract with nausea, vomiting, and diarrhea.

Inhalation:

Causes irritation to the respiratory tract.

Chronic:

Not available

SECTION 3: Composition / Information on Ingredients

CAS No.	Chemical Name	Percent
A mixture	Fuel Oil	96.5 – 100%

SECTION 4: First aid measures

Eyes:

In case of contact with eyes, immediately flush with clean, low-pressure water for at least 15 min. Hold eyelids open to ensure adequate flushing. Seek medical attention.

Skin:

Remove contaminated clothing. Wash contaminated areas thoroughly with soap and water or with waterless hand cleanser. Obtain medical attention if irritation or redness develops.

**Tabriz Oil Refining Company****SAFETY DATA SHEET****Fuel Oil****MSDS No. : Fuel Oil-2016****Ingestion:**

DO NOT INDUCE VOMITING. Do not give liquids. Obtain immediate medical attention. If spontaneous vomiting occurs, lean victim forward to reduce the risk of aspiration. Monitor for breathing difficulties. Small amounts of material which enter the mouth should be rinsed out until the taste is dissipated.

Inhalation:

Remove person to fresh air. If person is not breathing, provide artificial respiration. If necessary, provide additional oxygen once breathing is restored if trained to do so. Seek medical attention immediately.

Notes to Physician:

No comment.

SECTION 5: Fire fighting measures

General Information: Wear self-contained breathing apparatus and full protective gear. Use water spray to keep fire exposed containers cool. May accumulate static electrical charges, and may cause ignition of its own vapors. Vapor may cause flash fire.

Media:

SMALL FIRES: Any extinguisher suitable for Class B fires, dry chemical, CO₂, water spray, fire fighting foam.

LARGE FIRES: Water spray, fog or fire fighting foam. Water may be ineffective for fighting the fire, but may be used to cool fire-exposed containers.

Auto ignition Temperature: Not available

Flash Point: Not available

Explosion Limits: Not available



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SECTION 6: Accidental release measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Keep public away. Isolate and evacuate area. Eliminate all ignition sources. Absorb spill with inert material (sand, earth) and place in suitable container for disposal. Clean up spills immediately. Carefully shovel, scoop or sweep up into a waste container for reclamation or disposal – caution, flammable vapors may accumulate in closed containers. Avoid runoff into sewers and ditches. Provide ventilation and use non-sparking tools and equipment. A vapor suppressing foam may be used to reduce vapors. Consider wind direction; stay upwind and uphill, if possible. Evaluate the direction of product travel, diking, sewers, etc. to confirm spill areas. Carefully contain and stop the source of the spill, if safe to do so.

SECTION 7: Handling and storage

Handling: NEVER SIPHON THIS PRODUCT BY MOUTH. Use appropriate grounding and bonding practices. Static accumulating flammable liquid. Bonding and grounding is essential to eliminate the hazard from static electricity. Do not expose to heat, open flames, strong oxidizers or other sources of ignition. No smoking. Use only non-sparking tools. Avoid contact with skin, eyes and clothing. Avoid breathing fumes, gas, or vapors. Use only with adequate ventilation. Avoid repeated and prolonged skin contact. Use personal protection measures as recommended in Section 8. Exercise good personal hygiene including removal of soiled clothing and prompt washing with soap and water. Do not cut, drill, grind or weld on empty containers since explosive residues may remain.

Storage: Store in properly closed containers that are appropriately labeled and in a cool, well-ventilated area away from incompatible materials. Do not store near an open flame, heat or other sources of ignition. Keep in a bonded area.

Other precautions: No comment.



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SECTION 8: Personal protection / Exposure Control

Engineering Controls: Use with adequate general ventilation or local explosion-proof ventilation to keep airborne levels within acceptable limits. An eye wash fountain and safety shower should be in the immediate work area.

Chemical Name	ACGIH	NIOSH	OSHA
Fuel Oil	Not available	Not available	Not available

Personal Protective Equipment:

Eyes: Wear chemical splash goggles

Skin: Wear appropriate gloves to protect hands.

Clothing: Wear proper clothing and safety shoes to protect skin.

Respirators: Follow OSHA respirator regulations found in 29 CFR 1910.134.

Use NIOSH/MSHA approved respirator whenever workplace conditions are exceeded.

SECTION 9: Physical and Chemical Properties

Physical State: Liquid

Color: Brown to black

Density @ 15 C: 970 kg/m³

Total Sulfur (wt.%): 3.5 (maximum)

Ash (wt.%): 0.05 (maximum)

Water and sediment (vol.%): 0.5 (maximum)

Carbon residue (vol.%): 15 (maximum)

Viscosity@ 50 C: 280 Cst. (maximum)

Pour point: 24 C (maximum)

Flash point: 65 C (minimum)

Freezing/Melting Point: Not available

Solubility in water: Not available

Auto – ignition temperature: Not available

Decomposition temperature: Not available

Explosive properties: Not available

**Tabriz Oil Refining Company****SAFETY DATA SHEET****Fuel Oil****MSDS No. : Fuel Oil-2016****SECTION 10: Stability and Reactivity**

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Ignition sources, excess heat, sparks (electrical, impact, friction).

Incompatibilities with Other Materials: Strong oxidizing agents, Combustible materials.

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide.

Hazardous Polymerization: Not known to occur.

SECTION 11: Toxicological Information**LD50/LC50:**

Not available

Carcinogenicity:

Not available

Epidemiology:

Not available

Teratogenicity:

Not available

Reproductive:

Not available

Mutagenicity:

Not available



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Neurotoxicity:

Not available

SECTION 12: Ecological Information

Ecotoxicity:

Not available

Environmental:

Not available

Physical:

Not available

SECTION 13: Disposal Considerations

Dispose of in accordance with Federal, State, and local regulations.



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SECTION 14: Transport Information

DOT number: A mixture of hydrocarbons

UN proper shipping name: FUEL OIL

Transport hazard class (es) : Class: 3 – flammable liquid Packing Group: II

Hazard identification number (kemler No.) : Not Available



SECTION 15: Regulatory Information

US Federal: Not available

US State: Not available

SECTION 16: Other Information

NFPA Rating (Scale 0-4) : Health Hazard (1), Fire Hazard (2), Reactivity Hazard (0), Special Hazard (non-sign)

Disclaimer: This information is based on our current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. It should not therefor be construed as guaranteeing any specific property of the product.