



PIROOZI MOTOR OIL CO.

Piroozi Motor Oil Co.

| Base Oil SN 150 | | |
|-------------------|-------------|----------------|
| Specifications | Method | SN 150 |
| Appearance | Sight/Melt | Bright , Clear |
| Viscosity @100 °C | ASTM D-445 | 5,4-6,9 |
| Viscosity Index | ASTM D-2270 | 95 Min. |
| Flash Point, °C | ASTM D-92 | 216 |
| Pour Point | ASTM D-97 | -12 |
| Color (Max.) | ASTM D-1500 | 1.5 |



MATERIAL SAFETY DATA SHEET

Review Date: 01/10/2012

PIROOZI BASE OIL SN 150

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: PIROOZI Base Oil SN 150

Product Description: Paraffinic Base Oil

Company Identification: Piroozi Motor Oil Co.

Manufacturer Address:

Zip Code: 4818793873, No 6-9, 2nd floor, Hafez official building,
Next to Shahabi Str. Taleghani Blvd., Sari, Mazandaran, IRAN

Telephone Numbers:

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SECTION 2 COMPOSITION / INGREDIENTS

Highly refined base oil

SECTION 3 HAZARDS IDENTIFICATION

This material is not known to be hazardous under normal conditions.

NFPA RATING Health: 0; **Flammability:** 1; **Instability:** 0.

Potential Health Effects

Primary Route of Entry: Skin

The product, as with many petroleum products, may cause minor skin, eye, and lung irritation, but good hygienic practices can minimize these effects.

Normal use of this product does not result in generation of an oil mist. However if an oil mist is generated, overexposure can cause minor and reversible irritation to the eyes, skin, and especially the lungs. Proper personal protective equipment and sufficient ventilation can provide adequate protection.



SECTION 4 FIRST AND MEASURES

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Skin Contact:

Wash skin thoroughly with soap and water. If irritation develops and persists, consult a physician.

Eye Contact:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

Ingestion:

Material poses an aspiration hazard. If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration.

Notes to Physicians:

Activated charcoal mixture may be administered. To prepare activated charcoal mixture, suspend 50 grams activated charcoal in 400 ml. water and mix thoroughly. Administer 5 ml./kg or 350 ml. for an average adult.

SECTION 5 FIRE FIGHTING MEASURES

Flammable Properties: Not flammable

Extinguishing Media:

Water Spray, Foam, Dry Chemical, CO₂.

Fire Fighting Instructions:

Water or foam may cause frothing. Use water to keep fire-exposed containers cool. Water may be used to flush spills away from exposures.

Products of combustion may contain carbon monoxide, carbon dioxide, and other toxic materials. Do not enter enclosed or confined space without proper protective equipment including respiratory protection.



SECTION 6 ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL)

Sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up. Remove source of heat, sparks, and flame.

Initial Containment

Dike spill. Prevent material from entering sewers, waterways, or low areas.

Spill Clean Up

Recover free liquid for reuse or reclamation. Soak up with sawdust, sand, oil dry or other absorbent material.

SECTION 7 HANDLING AND STORAGE

Handling (Personnel):

Avoid breathing vapor or mist. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Wash contaminated clothing prior to reuse.

Handling (Physical Aspects):

Close container after each use. Do not pressurize, cut, weld, braze, solder, grind, or drill on or near full or empty container. Empty container retains residue (liquid and/or vapor) and may explode in heat of a fire.

Storage:

Store in accordance with National Fire Protection Association recommendations.

Store in a cool, dry place. Store in a well-ventilated place. Store away from oxidizers, heat, sparks and flames.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Ventilation:

Normal shop ventilation

Personal Protective Equipment:

RESPIRATORY PROTECTION

None normally required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Select appropriate respiratory protective equipment when exposed to sprays or mists.

Protective Gloves:

Should be worn when the potential exists for prolonged or repeated skin contact, NBR or neoprene recommended.



EYE PROTECTION:

Safety glasses with side shields.

OTHER PROTECTIVE EQUIPMENT:

Coveralls with long sleeves if splashing is probable.

Applicable Exposure Limits

If oil mist is generated, exposure limits apply.

PEL (OSHA): 5 mg/m³, 8 Hr. TWA

TLV (ACGIH): 5 mg/m³, 8 Hr. TWA, STEL 10 mg/m³

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

| | |
|----------------------|------------------------------|
| Solubility in Water: | Insoluble |
| Odor: | Petroleum Hydrocarbon (mild) |
| Form: | Liquid |
| Color: | Amber. |
| Specific Gravity: | 0.8 - 0.9 @ 60 F (16 °C) |
| Viscosity: | 5 – 6.9 cSt @ 100 °C |
| Viscosity Index: | 95 min |
| Flash Point: | 210 °C min |
| Pour Point: | -9 °C max |

SECTION 10 REACTIVITY AND STABILITY

Chemical Stability:

Stable at normal temperatures and storage conditions.

Conditions to Avoid:

Heat, sparks, and flames.

Incompatibility with Other Materials:

Incompatible with strong oxidizing agents.

Decomposition:

Normal combustion forms carbon dioxide; incomplete combustion may produce carbon monoxide.

Polymerization:

Polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity



OSHA: Non-Toxic based on components(s)

OSHA: Non-Toxic based on components(s)

Carcinogenicity Classification:

NTP: Not Reviewed IARC: Not Reviewed ACGIH: No OSHA: No

SECTION 12 ECOLOGICAL INFORMATION

Environmental Impact Summary:

There is no ecological data available for this product. However, this product is oil. It is persistent and does not readily biodegrade. However, it does not bio-accumulate.

SECTION 13 DISPOSAL CONSIDERATION

It is the responsibility of the user of the material to determine at the time of the disposal, whether disposal of the material meets current applicable laws and regulations.

SECTION 14 TRANSPORT CONSIDERATION

LAND: Not regulated for land transportation

SEA: Not regulated for Sea Transformation

AIR: Not regulated for Air Transportation

SECTION 15 REGULATORY INFORMATION

When used for its intended purposes, this material is not classified as hazardous.

SECTION 16 OTHER INFORMATION

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