



MEHTA PETRO REFINERIES LTD.



Material Safety Data Sheet

1. Chemical and Company Identification

Trade Name	Aliphatic Hydrocarbon Fluid
Product Code	MPRL ALISOL 38
Supplier	Mehta Petro Refineries Limited Plot No. 1, Dewan & Sons Udyog, Village - Mahim. Taluka - Palghar. District - Palghar. Pin Code - 401. Maharashtra. INDIA
Routine Enquiries	++91 - 2525 - 25 4155
Fax	++91 - 2525 - 25 4502
Emergency Contact (24 Hours)	++91 - 2525 - 25 4155
Chemical Description	Distillate, Petroleum Derived (Aliphatic)

2. Composition and Ingredients

Components	CAS No.
Aliphatic Hydrocarbon Hydrotreated	64742 - 48 - 9

3. Hazards Identification

Warning Statements	NO SIGNIFICANT HAZARD
Eyes	Not expected to cause eye irritation following short-term exposure
Oral	If more than several mouthfuls are swallowed, abdominal discomfort, nausea, and diarrhea may occur
Inhalation	Breathing the vapour or mist at concentrations in air that exceed the ACGIH TLV can cause respiratory irritation or discomfort
Skin	Expected to cause no more than minor skin irritation. Prolonged or frequently repeated contact may cause more severe irritation or may cause the skin to become cracked or dry from the defatting action of this material.



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Long Term Toxic Effects

The base oil component(s) are not expected to be carcinogenic based on IARC criteria. This product has not been tested as a whole for chronic health effects. See Section 11 for additional information

4. First Aid Measures

Eyes	Flush eyes immediately with fresh water for several minutes while holding the eyelids open. If irritation persists, see a doctor
Skin	Wash skin thoroughly with soap and water. If skin irritation persists or a rash develops as a result of excessive contact, see a doctor. Launder contaminated clothing
Ingestion	If swallowed and person is conscious, give water or milk. DO NOT make person vomit except on advice of medical personnel. If advice cannot be obtained, take person with container and label to nearest emergency treatment center. Never give anything by mouth to an unconscious person
Inhalation	If respiratory irritation or any signs or symptoms as described in this MSDS occur, move the person to fresh air. If any of these effects continue, see a doctor
Advice to Doctor	None applicable

5. Fire Fighting Measures

Ignition Temperature, °C	Not determined
Flammable Limits (% by Volume)	Not determined
Fire Extinguishing Agents	According to the US National Fire Protection Association Guide, use water spray, dry chemical, foam or carbon dioxide. Water or foam may cause frothing. Use water to cool fire-exposed containers. If a leak or spill has not ignited, use water spray to disperse the vapours and to provide protection for personnel attempting to stop the leak



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Explosion Hazards

For fires involving this material, do not enter any enclosed or confined space without self-contained breathing apparatus to protect against the hazardous effects of combustion products or oxygen deficiency

6. Accidental Release Measures

In case of Spill

Stop the source of the leak or release and contain spill if possible. Ventilate the area. Use respirator and protective clothing as discussed in this MSDS. Cover spill with a generous amount of inert absorbent. Use a stiff broom to mix thoroughly. Sweep up and place in a disposable container. Scrub contaminated area with detergent and water using a stiff broom. Pick up liquid with additional absorbent and place in a disposable container. Prevent contamination of groundwater or surface water

7. Handling and Storage

Minimum feasible handling temperatures should be maintained. Periods of exposure to high temperatures should be minimized. Water contamination should be avoided.

Misuse of empty containers can be hazardous. DO NOT cut, weld, heat or drill container. Residue may ignite with explosive violence if heated sufficiently. Do not pressurize or expose to open flame or heat. Keep container closed and drum bungs in place

8. Exposure Control/Personal Protection

Eyes

No special eye protection is usually necessary

Skin

Exposed employees should exercise reasonable personal cleanliness; this includes cleansing exposed skin several times daily with soap and water, and laundering or dry cleaning soiled work clothing at least daily.

Inhalation

Respiratory protection is normally not required. However, if operating conditions create airborne concentrations which exceed the recommended exposure standard(s), the use of an approved

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	respirator is recommended. Wear approved respiratory protection such as toxic dust, mist and fume respirator
Ventilation	Use adequate ventilation to keep the airborne concentrations of this material below the ACGIH TLV for mineral oil mists. Local exhaust ventilation and/or enclosure of the processes is preferred in these cases
Exposure Limits	The ACGIH TLV for mineral oil mists is 5 mg/m ³ for a daily 8-hour exposure

9. Physical and Chemical Properties

Note: The following data may represent a range of approximate or typical values for products in the same family. Precise technical information is provided in Product Bulletins and can be obtained from your Marketing Representative.

Appearance and Odor	Bright and Clear Liquid, mild odor
Boiling Point	Not determined
Vapor Pr (mmHG @ 25 °C)	Not determined
Density (gm/l at RT °C)	0.760 - 0.780
Vapor Density (Air = 1)	Not determined
Flash Point, °C	35 Min.
Solubility in Water	Negligible
Percent Volatile by Volume	Not determined
Evaporation	Not determined
Distillation Range, °C	140 - 220
Viscosity (All Product Grades)	00.01 - 01.99 CST at 40 °C

10. Stability and Reactivity

Hazardous Polymerizations	DO NOT OCCUR
Products of Combustion	Carbon monoxide, carbon dioxide, and aldehydes and ketones, combustions products of nitrogen and sulfur



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Conditions to Avoid

Strong oxidizers as chlroates, nitrates, peroxides etc

11. Toxicological Information

General

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction hydro cracking and hydro treating. These oils have not been listed in the US National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as carcinogenic or probably carcinogenic to humans.

12. Ecological Information

Environmental Effects

No specific ecotoxicity data on this product are available.
This material may present environmental risks common to oil spills

13. Disposal Considerations

Waste Disposal

Place contaminated materials are disposable containers and dispose off in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material

Remarks

This material may present environmental risks common to oil spills. Contact your local oil spill response group and applicable government agencies if a spill occurs

14. Transport Information

Transportation of Goods

Packed in 200 liters drums every 4 drums on a pallet transported by road trailer trucks.
Also transported by road tankers.



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UN Number	Not Applicable
Dangerous Goods Class	Not Applicable
Proper Shipping Name	MPRL ALISOL 38
Hazchem Code	27101990
Additional Information	None Determined

15. Regulatory Information

Respirator Information	In the absence of local approval authorities/standards, follow US NIOSH/MSHA, UK BSI regulations. Respirators must meet either the above or local standard for approved respirators
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16. Other Information - No specific notes on this product.

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