



मंगलूर रिफाइनरी एवं पेट्रोकेमिकल्स लिमिटेड
(ऑइल एंड नैचुरल गैस कार्पोरेशन लिमिटेड की सहायक कंपनी)
Mangalore Refinery and Petrochemicals Limited
(A Subsidiary of Oil and Natural Gas Corporation Limited)

PRODUCT NAME: Mineral Turpentine Oil

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product Name: Mineral Turpentine Oil		Chemical Designation:	
Trade Name:		Synonyms: Turpentine oil	
Formula:	Label : Category Class :	CAS Number: 8006-64-2	UN Number:
Regulated Identification:	Shipping Name Codes / Label: Mineral Turpentine Oil		Hazchem Code: 3WE

Firm's Name: Mangalore Refinery & Petrochemicals Ltd.	Standard Packing : --
Mailing Address: At P.O Kuthethoor, Mangalore- 575030 (D.K.)	Emergency Telephone During Transit
Contact Persons In Case of Emergency:	
Head-Marketing TEL: (0824)2882739, 2718,3702,2717,2746	
Fire & Safety ,Control Room TEL: :0824 288 2333 / 3333	



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2. HAZARDS IDENTIFICATION

Primary Entry Routes: Inhalation, skin and eyes

Acute effects: Skin contact can cause dermatitis. Can penetrate

Skin to produce systemic effects.

Eye contact is irritating & damaging, vapours can irritate eyes.

Inhalation of vapours is irritating & can produce headaches, dizziness, vertigo, chest pains, bronchitis, pulmonary edema

Carcinogenicity: Not listed as carcinogenic

Chronic Effects: No data available

3. COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Mixed of Hydrocarbons

Hazardous Components: Turpentine

4. FIRST AID MEASURES

Eyes: Flush with water for 15 min. Get medical attention.

Skin: Wash with warm water & soap.

Inhalation: Remove to fresh air. Consult a physician if irritation persists.

Ingestion: Get medical help at once

5. FIRE FIGHTING MEASURES

Flash Point: 35°C

Flash Point Method: 260°C :0.8%

Auto ignition Temperature: 5%

LEL: Flammable

UEL: Foam, Dry chemical powder, CO₂

Flammability Classification: Heat produces corrosive vapours and can cause violent rupture of Unusual Fire or Explosion
Hazards Container

Hazardous Combustion Products: Carbon di oxide, carbon mono oxide

Fire-Fighting Instructions: Fire fighters should wear self breathing apparatus while fighting fire

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Shut off leaks without risk. Absorb on sand or earth

Containment: Prevent spillage from entering drains or water sources



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Clean-up: After spills wash area with soap and water preventing runoff from entering Drains

7. HANDLING AND STORAGE

Handling Precautions: Do not use/store near heat/open flame. Avoid breathing harmful vapours. Avoid contact with skin and eyes. Wash thoroughly after handling

Storage Requirements: Do not use/store near heat/open flame/water/acids

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Provide proper ventilation for environment to be below TWA

Respiratory Protection: Use respiratory protection if ventilation is improper

Protective Clothing / Equipment: Use face shield, PVC gloves, safety boots while handling. Contaminated clothing to be immediately removed.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical State: Liquid

Appearance and Odor: Water white liquid with kerosene like odour

Vapor Pressure : 4 mm of Hg at 20°C

Specific Gravity : 0.79

Water Solubility : insoluble

Boiling Point : 145°C to 205°C

Freezing Point : <0°C

Vapour density : 4.8(Air=1)

10. STABILITY & REACTIVITY

Stability : Chemically stable.

Chemical Incompatibilities : Incompatible with oxidizing agents & chlorine.

Reacts vigorously with oxidising materials. Can react violently with Ca(OCl), CrO, Cr(OCl), SnCl, chloromelamines.

Conditions to avoid : Can undergo auto-oxidation in air & generate heat which can build up in a confined space to cause spontaneous combustion

Hazardous Decomposition products : Carbon di oxide, carbon mono oxide

11. TOXICOLOGICAL INFORMATION

ACGIH TLV : 100ppm

Toxicity Data;



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LD50 (Oral-Rat) : 5760 mg/kg

Acute Inhalation Effects : No data available

12. ECOLOGICAL INFORMATION

Prevent spillage from entering drains or water sources. After spills wash area with soap and water preventing runoff from entering drains. Can burn with lot of heat producing CO₂ and CO.

13. DISPOSAL CONSIDERATION

Disposal : Seal all the waste in vapour tight plastic bags for eventual disposal or incineration.

14. TRANSPORT INFORMATION

Shipping Name : Mineral Turpentine Oil

Hazard Classification :

Hazchem code : 3WE

15. REGULATORY INFORMATIONS

Manufacture, Storage and Import of Hazardous Chemicals

Rule, 1989.

16. OTHER INFORMATION

Nil