



**BHARAT PETROLEUM CORPORATION LTD.
KOCHI REFINERY**

SAFETY DATA SHEET OF MINERAL TURPENTINE OIL- REGULAR

1. CHEMICAL IDENTITY

Chemical Name : MINERAL TURPENTINE OIL		
Chemical Classification : NA		
Synonyms : NA		
Trade Name : NA		
Formula : NA	C.A.S.No.: NA	UN No.: 1300
Regulated Identification		
Shipping Name : NA		
Codes/Label : NA		
Hazardous waste I.D. : NA		
Hazchem Code : NA		
HAZARDOUS INGREDIENTS: NA	C.A.S. No.: NA	Weight %

2. PHYSICAL AND CHEMICAL DATA

Boiling Point/Range °C	140-245 °C
Physical State	Liquid
Appearance	Colorless
Vapor pressure	0.5 KPa
Melting/Freezing Point °C	Not pertinent
Odor	Paraffinic
Vapor Density light(At 20°C)	NA
Solubility in water @ 30°C	Negligible
Others	NA
Specific Gravity(Water = 1)	0.80gm/cc
pH (10% Solution)	NA



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3. FIRE AND EXPLOSION HAZARD DATA

Flammability : Yes	LEL : 0.7%	Flash Point ⁰ C: NA (QC)
TDG Flammability : NA	UEL : 0.5%	Flash Point ⁰ C : 35 (CC)
Auto-ignition Temperature ⁰ C : Typical 300 ⁰ C		
Explosion Sensitivity to Impact : No		
Explosion Sensitivity to Static Electricity : Sensitive		
Hazardous Combustion products : Carbon dioxide, Carbon monoxide		
Hazardous Polymerization : Does not occur		
Combustible : Yes	Explosive Material : No	Corrosive Material : No
Flammable Material : Yes	Oxidiser : No	Others : NA
Pyrophoric Material : No	Organic Peroxide : NA	

4. REACTIVITY DATA

Chemical Stability : Stable under normal conditions for use
Incompatibility with Other Material : Strong Oxidizers
Hazardous Reaction Products : A complex mixture of airborne solids, liquids and gases including carbon monoxide, carbon dioxide and other organic compounds will be evolved when combustion or thermal or oxidative degradation.



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5. HEALTH HAZARD DATA

ROUTES OF ENTRY

Inhalation, ingestion, skin absorption and eye contact.

Effects of Exposure/ Symptoms

Inhalation : Can cause dizziness, headache and nausea, depresses central nervous system and has an anesthetic effect.

Ingestion : Can lead to nausea, diarrhea and affect central nervous system.

Skin : May cause moderate irritation to skin. Repeated exposure may cause skin dryness and cracking.

Eye : Irritant

EMERGENCY TREATMENT

Eyes : Flush eyes with water while holding eyelids open. Rest eyes for 30minutes.

Skin : Remove contaminated clothing. Flush exposed area with water and follow by washing with soap, if available.

Inhalation : Remove to fresh air. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.

Ingestion : Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

LD₅₀ (Oral-Rat) mg/kg : NA

Odor Threshold ppm : NA

Exposure Limit : NA

TLV (ACGIH) : NA

STEL ppm. : NA

NFPA Hazard Signals

Health : NA Flammability : NA Reactivity : NA Special : NA

6. PREVENTIVE MEASURES

Personal Protective Equipment : Wear full protective clothing and self contained breathing apparatus. Firefighting Equipment gear and chemically impervious protective gloves should be worn.

Handling and Storage : Avoid contact with skin, eyes and clothing. Handle and open container with care in a well ventilated area. Do not empty into drains. Must be stored in a diked (bunded) area. Bulk storage tanks should be diked.



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7. EMERGENCY AND FIRST AID MEASURES

FIRE

Fire Extinguishing Media : Foam, water spray or fog. Dry chemical powder, Carbon dioxide, sand or earth may be used for small fires only.

Special Procedure : Do not use water in a jet.

Hazards : Carbon monoxide may be evolved if incomplete combustion occurs. Will float and can be reignited on surface water.

EXPOSURE

First Aid Measures:

Eyes : Flush eyes with water while holding eyelids open. Rest eyes for 30 minutes.
Skin : Remove contaminated clothing. Flush exposed area with water and follow by washing with soap.
Inhalation : Remove to fresh air. Consult a physician if rapid recovery does not occur.
Ingestion : Do not include vomiting. Get medical help at once.

SPILLS

Steps to be taken:

Shut off leaks without risk. Remove all possible sources of ignition in the surrounding area. Use appropriate containment. Prevent from spreading or entering drains.

Waste Disposal Method:

Material disposal : Recover or recycle if possible.

Container disposal : Drain container thoroughly. After draining, vent in a safe place away from sparks or fire.

8. ADDITIONAL INFORMATION/REFERENCES

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