

NAPHTHA

MATERIAL SAFETY DATA SHEET

1. IDENTITY OF MATERIAL

Product Name : Naphtha, Light Naphtha		Chemical Designation : Complex Mixture of Hydrocarbons	
Trade Name: Naphtha		Synonyms : Petroleum Naphtha, Petroleum ether	
Formula : Complex Mixture of hydrocarbons	Label : Flammable Liquid Category Class:3	CAS Number : 8030-30-6	UN Number : 1255
Regulated Identification: UN Number 1255	Shipping Name Codes / Label : Class-A Flammable Liquid Exits in Vapour form at Ambient Temperature		Hazchem Code : 3Y, 3YE

2. PHYSICAL AND CHEMICAL PROPERTIES

Physical State : Liquid (Vapour at ambient Temperature.)	Boiling Point in ° C.: 40° C-80° C	Vapour Pressure at 35° C : ---
Appearance(Colour) : Straw coloured to colourless	Melting / Freezing Point in ° C: ----	Evaporation rate at 30 ° C: ---
Odour: characteristic smell. (Acrid)	Vapour Density (Air-1): 2.264 (Heavier Than Air)	Solubility in water at 30 ° C : Insoluble in water.
Others (Corrosivity, Etc) : ---	Specific Gravity (Water-1) : 0.6-0.7 (Lighter Than Water)	PH : Neutral.

3. FIRE AND EXPLOSIVE HAZARDS DATA

Explosion / Flammability : Highly flammable moderately explosive	Flash Point : -20° C to -50° C (Exists in the form of Vapor at ambient Temperature)	Flammability Range (LEL to UEL) : 1.1% to 5.9%	Autoignition Temperature degree C : 531°C
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4. REACTIVE HAZARDS

	Impact : Stable	Hazardous Combustion Products : Carbon Di-oxide (CO₂), Carbon Monoxide (CO)
Stability to	Static Discharge : Can Ignite	(Hazardous Decomposition Products) : No

Ventilation :	General
Personal Protective Equipments(PPE'S):	<u>Non Respiratory PPE'S :</u> Eyes : Safety Goggle, Face shield, or Hood Body: PVC clothing. Gloves : Neoprene, Polyvinyl Chloride(PVC)
	Respiratory (Specify): Emergency Life Saving Apparatus(ELSA), Self Contained Breathing Apparatus(SCBA).
Precautions	Handling & Storage : Should Be Stored Inair Tight Closed Containers Away From Source Of Ignition, With Protection Against Static Discharges.

8. EMERGENCY RESPONSE DATA

	Fire Extinguishing Media : 3% Aquous Film Forming Foam(AFFF), Dry Chemical Powder(DCP),Carbon Di Oxide(CO₂)
Fire	Special Procedures : Water Spray May Be Used To Cool Containers Or Exposed Equipments.
	Unusual Hazardous :----
Exposure (Skin and eye contact, inhalation, Ingestion)	First Aid Measure: Remove Victim To Fresh Air. Seek Medical Help.
Spills	Steps to be taken : Collect In Container.
	Waste disposal method : On Large Scale Absorb And Landfill. Allow For Atmospheric Evaporation.

9. ADDITIONAL INFORMATION (DOS & DON'T)

- Incase of leaks monitor %LEL, Stop all hot jobs. Stop traffic/vehicular movements and dilute vapor cloud with water spray.
- Evacuate on downwind side.
- Stop activities of hot jobs in units / plants on down wind direction.
- Look for wind direction.
- Approach from upwind side.
- If caught on downwind, move perpendicular to wind direction and assemble at nearest safe assembly point.
- Arrest leak if without risk.
- Cordon off the area.
- Use Self Contained breathing apparatus set in case of Fire.
- Contain leaking liquid on sand or earth.
- Do not Panic.
- Do not enter without knowing the wind direction.
- Do not approach leaking / affected area without proper respiratory protection.
- Do not approach from downwind direction
- Do not run.

- Do not move along or opposite to the direction of wind.
- Do not allow unauthorized personnel.

10. SOURCES USED

1. Hazardous Chemicals ready reference by Richard .J. Lewis SR
2. Occupational Health & Safety. P.Cook

11. MANUFACTURER / SUPPLIER DATA

Firm's Name: Mangalore Refinery & Petrochemicals Ltd.	Standard Packing : Transporation In Bulk Tanker of 12 T,16 T, 18T Capacities, Ship, Pipelines.
Mailing Address: At P.O Kuthethoor, Mangalore-575030 (D.K.)	Emergency Telephone During Transit : (0824)2270400
Telephone Number: (0824)2270400	
TeleFax. Number : (0824)2270013	
Contact Persons In Case of Emergency:	
Head(Operations) TEL: :(0824)2270400,Ext(O)2440,(R)4440	
Head-Marketing TEL: :(0824)2270400, Ext(O)2107	
Fire & Safety ,Control Room TEL: :(0824) 2270279, 2270400,Ext-2333/3333,2555	