

# MATERIAL SAFETY DATA SHEET

**MINERAL  
TURPENTINE OIL**

## 1. CHEMICAL IDENTITY

Chemical Name	MINERAL TURPENTINE OIL	Chemical Classification	Mixture of Hydrocarbons
Synonyms	Jet A-1, MTO	Trade Name	MTO
Formula	Mixture of Hydrocarbons	C.A.S. NO.	UN NO.
Regulated Identification	Shipping Name Codes/Label Hazardous waste I.D. No. Hazchem Code	MTO Flammable Liquid 17	
HAZARDOUS INGREDIENTS	C.A.S. NO.	HAZARDOUS INGREDIENTS	C.A.S. NO.
1. Mixture of Hydrocarbons			

## 2. PHYSICAL AND CHEMICAL DATA

Boiling Point/Range °C	140 to 240	Physical State	Liquid	Appearance	Clear
Melting/Freezing Point °C		Vapour pressure @ 35 °C, mm Hg		Odour	Hydrocarbon
Vapour Density (Air = 1)		Solubility in water @ 30 °C	Negligible	Solubility in others	
Specific Gravity (Water = 1)	0.75 – 0.78	pH			

### 3. FIRE AND EXPLOSION HAZARD DATA

Flammability	Yes	LEL (%V)		Flash Point (OC) °C	
TDG Flammability	3	UEL (%V)		Flash Point, (CC) °C	30 (Min)
Auto ignition Temperature °C					
Explosion Sensitivity to Impact					
Explosion Sensitivity to Static Electricity					
Hazardous Combustion products	CO, CO <sub>2</sub> , hazardous gases				
Hazardous Polymerization	Does not occur				
Combustible Liquid	Yes	Explosive Material	No	Corrosive Material	No
Flammable Material	Yes	Oxidiser	No	Others	
Pyrophoric Material	No	Organic Peroxide	No		

### 4. REACTIVITY DATA

Chemical Stability	Stable
Incompatibility with other material	Strong oxidizing agents
Reactivity	
Hazardous Reaction Products	

### 5. HEALTH HAZARD DATA

Routes of Entry Effects of Exposure/ Symptoms	<b>Inhalation</b>  <b>Ingestion</b>  <b>Contact</b>	Inhalation, Ingestion, Contact Injure the lungs  Ingestion of large amount may cause gastro-intestinal effects, diarrhea, vomiting Prolonged or repeated skin exposure may lead to dermatitis. May cause irritation to eyes, nose and throat.
Emergency Treatment	<b>Inhalation</b>  <b>Ingestion</b> <b>Contact</b>	Obtain Medical Help Remove to fresh air.  Do not induce vomiting Skin : wash thoroughly with soap/ water Eyes : Wash eyes thoroughly with copious amount of water, ensuring eyelids are open

LD <sub>50</sub> (Oral-Rat), mg/kg		LD <sub>50</sub> , mg/kg	
Permissible Exposure Limit ppm	100	Odor Threshold, ppm	
TLV (ACGIH) ppm	100	STEL, ppm	
	mg/kg		mg/kg
NFPA Hazard Signals	Health	Flammability	Reactivity/Stability
			Special

## 6. PREVENTIVE MEASURES

Personal Protective Equipment	Impervious gloves, goggles, chemical cartridge respirator, protective clothing.
Handling and Storage Precautions	Store away from ignition sources. Ensure equipment is electrically bonded & earthed to prevent static accumulation .

## 7. EMERGENCY AND FIRST AID MEASURES

FIRE	Fire Extinguishing Media Special Procedure Unusual Hazards	DCP, Foam, CO <sub>2</sub> , water (fog)  Fires in confined spaces shall be dealt by wearing breathing apparatus. Spray application increases the fire & possible explosion hazard
EXPOSURE	First Aid Measures  Antidotes/ Dosage	Remove to fresh air. Do not induce vomiting. Wash thoroughly the affected portion. Arrange for medical treatment
SPILLS	Steps to be taken  Waste Disposal Method	Recover all spillage using absorbents or appropriate collection techniques. Do not water Dispose off by incineration or other suitable means.

## 8. ADDITIONAL INFORMATION/ REFERENCES

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## 9. MANUFACTURER/ SUPPLIERS DATA

Name of firm :
Mailing Address :

## 10. DISCLAIMER

Information contained in this material safety data sheet is believed to be reliable but no representation, guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them.
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