# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL IDENTITY

**CHEMICAL NAME:** Naphtha  
**CHEMICAL CLASSIFICATION:** Naphtha, Petroleum  
**SYNONYMES:** Light Naphtha,  
**TRADE NAME:** Naphtha  
**FORMULA:**  
**C.A.S. NO.:** 8030-30-6  
**U.N. NO.:** NA  
**HAZCHEM CODE:**  

**REGULATED IDENTIFICATION:** This material is considered hazardous by the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200).

**SHIPPING NAME CODES/LABLE:**  
**HAZARDOUS WASTE I.D. NO.:**  

<table>
<thead>
<tr>
<th>HAZARDOUS INGREDIENTS</th>
<th>C.A.S. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Naphtha</td>
<td>8030-30-6</td>
</tr>
<tr>
<td>2.</td>
<td></td>
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<td>3.</td>
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<td>4.</td>
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</table>

## 2. PHYSICAL AND CHEMICAL DATA

**BOILING POINT (°C):** 40-80  
**PHYSICAL STATE:** Liquid  
**APPEARANCE:** Dark straw color to colorless liquid.  

**MELTING / FREEZING POINT(°C):** NA  
**VAPOUR PRESSURE @ 35 °C mm/Hg:** 758 - 896 h Pa  
**Odor:** with faint odor  

**VAPOUR DENSITY (AIR= 1):** 2.5  
**SOLUBILITY IN H₂O @ 30 °C:** Negligible  

**SPECIFIC GRAVITY (H₂O=1):** 0.97  
**PH:** NA
### 3. FIRE AND EXPLOSION HAZARD DATA

<table>
<thead>
<tr>
<th><strong>FLAMMABILITY</strong></th>
<th>LEL : 1.2 %</th>
<th>UEL : 6.9 %</th>
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</thead>
<tbody>
<tr>
<td><strong>TDG FLAMMABILITY</strong> : NA</td>
<td>Flash point (°C): 107</td>
<td>Auto Ignition Temp(°C): 287.7</td>
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<tr>
<td><strong>EXPLOSION SENSITIVITY TO IMPACT</strong> : NA</td>
<td>Explosion sensitivity to static electricity: NA</td>
<td>Hazardous combustion products: NA</td>
</tr>
<tr>
<td><strong>HAZARDOUS POLIMERISATION</strong> : NA</td>
<td>Explosive material: NA</td>
<td>Corrosive material: NA</td>
</tr>
<tr>
<td><strong>FLAMMABLE MATERIAL</strong> : NA</td>
<td>Oxidiser: NA</td>
<td>Others: NA</td>
</tr>
<tr>
<td><strong>PYROPHORIC</strong> : No</td>
<td>Organic peroxide: Na</td>
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</tbody>
</table>

### 4. REACTIVITY DATA

- **CHEMICAL STABILITY**: Stable except when exposed to heat or flame
- **INCOMPATABILITY WITH OTHER MATERIAL**: Oxidizers, heat or flames.
- **REACTION**: Hazardous reaction products: Ethylene, propylene, other hydrocarbons etc.

### 5. HEALTH HAZARD DATA

- **ROUTES OF ENTRY**:
- **EFFECTS OF EXPOSURE / SYMPTOMS**:
- **EMERGENCY TREATMENT**: Flush eyes and skin with plenty of water and get medical aid.

<table>
<thead>
<tr>
<th><strong>TLV (ACGIH)</strong> : 200 PPM mg/m³</th>
<th><strong>STEL</strong> : None PPM mg/m³</th>
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</thead>
<tbody>
<tr>
<td><strong>ODOUR THRESHOLD</strong></td>
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<tr>
<td>LD 50: None</td>
<td>PPM</td>
</tr>
</tbody>
</table>
6. PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENTS: Use self-contained breathing apparatus and protective clothing.

HANDLING AND STORAGE PRECAUTION: 1. Store the container in a cool, dry and well ventilated specified place.
2. Keep away from heat, spark and flame.

7. EMERGENCY AND FIRST-AID MEASURES

FIRE

FIRE EXTINGUISHING MEDIA: Dry chemical powder, carbon dioxide and foam
SPECIAL PROCEDURE: Spray water to keep the container cool.
UNUSUAL HAZARDS: Being heavier than air naphtha vapors travels along the ground andprovokes distant ignition as well as spreads fire in large area.

EXPOSURE

FIRST AID MEASURES:
Eye: Flush eye with plenty of water for at least 30 minutes
Skin: Get medical aid, Flush skin with plenty of water for at least 30 minutes
Ingestion: If swallowed get medical aid.
Inhalation: Remove from exposure and move to fresh air immediately
ANTIDOTES / DOSAGES:

SPILLS

STEPS TO BE TAKEN:
1. Eliminate all sparks, flames or heat.
2. Spilled naphtha gets quickly evaporated and mixed with air to forms explosive mixture.
3. Shut off leaks if safe to do so.
<table>
<thead>
<tr>
<th>4-Confined leakage.</th>
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<tr>
<td>WASTE DISPOSAL METHOD: Collect the spillage &amp; wash the affected area with plenty of water. Dispose as recommended by local authority.</td>
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