



# MATERIAL SAFETY DATA SHEET

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### 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/ LABEL :**

**HAZARDOUS WASTE I.D. NO. :**

**HAZARDOUS INGREDIENTS :**

C.A.S. No. :

1 Naphtha

8030-30-6

2.

3.

4.

### 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  
at 20 °C (68 °F)

Odor: with faint odor

**VAPOUR DENSITY (AIR= 1):** 2.5

**SOLUBILITY IN H<sub>2</sub>O @ 30 °C:** Negligible

**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 0.97

**PH:** NA



<b>3. FIRE AND EXPLOSION HAZARD DATA</b>		
<b>FLAMMABILITY :</b>	LEL : 1.2 %	UEL : 6.9 %
<b>TDG FLAMMABILITY :</b> NA	FLASH POINT (°C): 107	AUTO IGNITION TEMP(°C): 287.7
<b>EXPLOSION SENSITIVITY TO IMPACT : NA</b>	EXPLOSION SENSITIVITY TO STATIC ELECTRICITY: NA	HAZARDOUS COMBUSTION PRODUCTS : NA
<b>HAZARDOUS POLIMERISATION :</b>	EXPLOSIVE MATERIAL: NA	CORROSSIVE MATERIAL: NA
<b>FLAMMABLE MATERIAL : NA</b>	OXIDISER : NA	OTHERS : NA
<b>PYROPHORIC : No</b>	<b>ORGANIC PEROXIDE : Na</b>	
<b>4. REACTIVITY DATA</b>		
<b>CHEMICAL STABILITY : Stable except when exposed to heat or flame</b>		
<b>INCOMPATABILITY WITH OTHER MATERIAL : Oxidizers ,heat or flames.</b>		
<b>REACTIVITY :</b>		
<b>HAZARDOUS REACTION PRODUCTS : Ethylene, propylene, other hydrocarbons etc.</b>		
<b>5. HEALTH HAZARD DATA</b>		
<b>ROUTES OF ENTRY :</b>		
<b>EFFECTS OF EXPOSURE / SYMPTOMS:</b>		
<b>EMERGENCY TREATMENT: Flush eyes and skin with plenty of water and get medical aid.</b>		
<b>TLV (ACGIH) : 200 PPM mg/m3</b>	<b>STEL : None PPM mg/m3</b>	
<b>PERMISSIBLE EXPOSURE LIMITS LD 50: None PPM</b>	<b>ODOUR THRESHOLD LD50 : None PPM mg/m3</b>	



mg/m3				
NFPA HAZARD RATING	HEALTH: 1	FLAMABILITY : 3	STABILITY: NA	SPECIAL: NA
<b>6. PREVENTIVE MEASURES</b>				
<b>PERSONAL PROTECTIVE EQUIPMENTS : Use self-contained breathing apparatus and protective clothing.</b>				
<b>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. 3. Keep containers tightly closed.</b>				
<b>7. EMERGENCY AND FIRST- AID MESURES</b>				
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 and provokes distant ignition as well as spreads fire in large area.			
EXPOSURE	FIRST AID MEASURES: <b>Eye</b> : Flush eye with plenty of water for at least 30 minutes <b>Skin</b> : Get medical aid , Flush skin with plenty of water for at least 30 minutes <b>Ingestion</b> : If swallowed get medical aid. <b>Inhalation</b> : 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.			



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**MSDS: NAPHTHA**

	4-Confined leakage.
	WASTE DISPOSAL METHOD: Collect the spillage & wash the affected area with plenty of water. Dispose as recommended by local authority.