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|---------------------|---|
| Health              | 2 |
| Fire                | 3 |
| Reactivity          | 0 |
| Personal Protection | H |

## Material Safety Data Sheet

### Naphtha, VM&P MSDS

#### Section 1: Chemical Product and Company Identification

**Product Name:** Naphtha, VM&P

**Catalog Codes:** SLN2473

**CAS#:** 8030-30-6

**RTECS:** DE3030000

**TSCA:** TSCA 8(b) inventory: Naphtha, VM&P

**CI#:** Not applicable.

**Synonym:** VM&P Naphtha; Benzin; Naphtha; Naphtha, Solvent; Petroleum Distillates (Naphtha)

**Chemical Name:** Not available.

**Chemical Formula:** Not available.

#### Contact Information:

**Scienclab.com, Inc.**

14025 Smith Rd.  
Houston, Texas 77396

US Sales: **1-800-901-7247**  
International Sales: **1-281-441-4400**

Order Online: [ScienceLab.com](http://ScienceLab.com)

**CHEMTREC (24HR Emergency Telephone), call:**  
1-800-424-9300

**International CHEMTREC, call:** 1-703-527-3887

**For non-emergency assistance, call:** 1-281-441-4400

#### Section 2: Composition and Information on Ingredients

##### Composition:

| Name          | CAS #     | % by Weight |
|---------------|-----------|-------------|
| Naphtha, VM&P | 8030-30-6 | 100         |

**Toxicological Data on Ingredients:** Naphtha, VM&P: ORAL (LD50): Acute: 5 mg/kg [ Rat]. DERMAL (LD50): Acute: 3 mg/kg [Rabbit].

#### Section 3: Hazards Identification

##### Potential Acute Health Effects:

Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator). Severe over-exposure can result in death.

##### Potential Chronic Health Effects:

Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Slightly hazardous in case of skin contact (permeator).

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

The substance is toxic to skin, eyes, central nervous system (CNS).

The substance may be toxic to blood, kidneys, lungs, the nervous system, mucous membranes, peripheral

nervous system, gastrointestinal tract, upper respiratory tract, ears.

## Section 4: First Aid Measures

### **Eye Contact:**

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention.

### **Skin Contact:**

In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

### **Serious Skin Contact:**

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

### **Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

### **Serious Inhalation:**

Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

### **Ingestion:**

If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

**Serious Ingestion:** Not available.

## Section 5: Fire and Explosion Data

**Flammability of the Product:** Flammable.

**Auto-Ignition Temperature:** 232°C (449.6°F)

**Flash Points:** CLOSED CUP: 10°C (50°F).

**Flammable Limits:** LOWER: 1.4% UPPER: 12.6%

**Products of Combustion:** Not available.

### **Fire Hazards in Presence of Various Substances:**

Highly flammable in presence of open flames and sparks.  
Flammable in presence of heat, of oxidizing materials.

### **Explosion Hazards in Presence of Various Substances:**

Risks of explosion of the product in presence of mechanical impact: Not available.  
Risks of explosion of the product in presence of static discharge: Not available.

### **Fire Fighting Media and Instructions:**

Flammable liquid, insoluble in water.  
SMALL FIRE: Use DRY chemical powder.  
LARGE FIRE: Use water spray or fog.

**Special Remarks on Fire Hazards:** Vapor may travel considerable distance to source of ignition and flash back.

**Special Remarks on Explosion Hazards:** Not available.

## Section 6: Accidental Release Measures

**Small Spill:** Absorb with an inert material and put the spilled material in an appropriate waste disposal.

**Large Spill:**

Toxic flammable liquid, insoluble or very slightly soluble in water. Poisonous liquid.

Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

## Section 7: Handling and Storage

**Precautions:**

Keep locked up.. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

**Storage:**

Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

## Section 8: Exposure Controls/Personal Protection

**Engineering Controls:**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

**Personal Protection:**

Splash goggles. Synthetic apron. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves (impervious).

**Personal Protection in Case of a Large Spill:**

Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits:**

TWA: 400 (ppm) from ACGIH (TLV) [United States] [1999]

STEL: 300 (ppm) [California]

TWA: 300 (ppm) [Canada]

TWA: 100 (ppm) from OSHA (PEL) [United States]

Consult local authorities for acceptable exposure limits.

## Section 9: Physical and Chemical Properties

**Physical state and appearance:** Liquid.

**Odor:** Petroleum odor (Slight.)

**Taste:** Not available.

**Molecular Weight:** Not available.

**Color:** Clear Colorless.

**pH (1% soln/water):** Not applicable.

**Boiling Point:** 86°C (186.8°F)

**Melting Point:** -73°C (-99.4°F)

**Critical Temperature:** Not available.

**Specific Gravity:** 0.75 (Water = 1)

**Vapor Pressure:** 1.4 kPa (@ 20°C)

**Vapor Density:** 3.8 (Air = 1)

**Volatility:** Not available.

**Odor Threshold:** Not available.

**Water/Oil Dist. Coeff.:** Not available.

**Ionicity (in Water):** Not available.

**Dispersion Properties:** See solubility in water, methanol, diethyl ether, n-octanol, acetone.

**Solubility:**

Easily soluble in methanol, diethyl ether, acetone.

Soluble in n-octanol.

Very slightly soluble in hot water.

Insoluble in cold water.

## Section 10: Stability and Reactivity Data

**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Not available.

**Incompatibility with various substances:** Reactive with oxidizing agents.

**Corrosivity:** Not considered to be corrosive for metals and glass.

**Special Remarks on Reactivity:** Not available.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.

## Section 11: Toxicological Information

**Routes of Entry:** Absorbed through skin. Eye contact. Inhalation. Ingestion.

**Toxicity to Animals:**

WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.

Acute oral toxicity (LD50): 5 mg/kg [ Rat].

Acute dermal toxicity (LD50): 3 mg/kg [Rabbit].  
Acute toxicity of the vapor (LC50): 3400 4 hours [Rat].

**Chronic Effects on Humans:**

Causes damage to the following organs: skin, eyes, central nervous system (CNS).  
May cause damage to the following organs: blood, kidneys, lungs, the nervous system, mucous membranes, peripheral nervous system, gastrointestinal tract, upper respiratory tract, ears.

**Other Toxic Effects on Humans:**

Hazardous in case of skin contact (irritant), of ingestion, of inhalation.  
Slightly hazardous in case of skin contact (permeator).

**Special Remarks on Toxicity to Animals:** Not available.

**Special Remarks on Chronic Effects on Humans:** Not available.

**Special Remarks on other Toxic Effects on Humans:** Moderately toxic and narcotic in high concentrations.

## Section 12: Ecological Information

**Ecotoxicity:** Not available.

**BOD5 and COD:** Not available.

**Products of Biodegradation:**

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:** The products of degradation are more toxic.

**Special Remarks on the Products of Biodegradation:** Not available.

## Section 13: Disposal Considerations

**Waste Disposal:**

## Section 14: Transport Information

**DOT Classification:** CLASS 3: Flammable liquid.

**Identification:** : Petroleum distillate, n.o.s., (Naphtha) UNNA: 1268 PG: II

**Special Provisions for Transport:** Not available.

## Section 15: Other Regulatory Information

**Federal and State Regulations:**

Rhode Island RTK hazardous substances: Naphtha, VM&P  
Pennsylvania RTK: Naphtha, VM&P  
Florida: Naphtha, VM&P  
Minnesota: Naphtha, VM&P  
Massachusetts RTK: Naphtha, VM&P  
New Jersey: Naphtha, VM&P  
TSCA 8(b) inventory: Naphtha, VM&P

**Other Regulations:**

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

**Other Classifications:**

**WHMIS (Canada):**

CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).  
CLASS D-2B: Material causing other toxic effects (TOXIC).

**DSCL (EEC):**

R11- Highly flammable.  
R27/28- Very toxic in contact with skin and if swallowed.  
R36/38- Irritating to eyes and skin.  
S1/2- Keep locked up and out of the reach of children.  
S28- After contact with skin, wash immediately with plenty of [\*\*\*]  
S36/37- Wear suitable protective clothing and gloves.  
S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
S46- If swallowed, seek medical advice immediately and show this container or label.

**HMIS (U.S.A.):**

**Health Hazard:** 2

**Fire Hazard:** 3

**Reactivity:** 0

**Personal Protection:** H

**National Fire Protection Association (U.S.A.):**

**Health:** 1

**Flammability:** 3

**Reactivity:** 0

**Specific hazard:**

**Protective Equipment:**

Gloves (impervious).  
Synthetic apron.  
Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.  
Splash goggles.

## Section 16: Other Information

**References:** Not available.

**Other Special Considerations:** Not available.

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