

## Light aliphatic solvent naphtha

### **Section 1. Identification**

**Common name :** Light aliphatic solvent naphtha

**Synonym :** V M & P Naphta

**Material uses :** Solvent / Degreaser

**CAS :** 64742-89-8

**Supplier / Manufacturer:**

**Solution Chemco Inc.**

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Thetford Mines

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**In case of emergency:**

**CANUTEC : (613) 996-6666**

### **Section 2. Hazards identifications**

**Classification :**



Flammable liquid, Category 4

Skin irritation, Category 2

Eye irritation, Category 2A

Specific target organ toxicity - Single exposure (Narcotic effects), Category 3

Specific target organ toxicity - Single exposure (Respiratory tract irritation), Category 3

**Signal word :** Warning

**Hazard statements:**

H227 : Combustible liquid.

H315 : Causes skin irritation.

H319 : Causes serious eye irritation.

H335 : May cause respiratory irritation.

H336 : May cause drowsiness or dizziness.

**Precautionary statements:**

P210 : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 : Avoid breathing dust/fumes/gas/mist/vapours/spray.

P264 : Wash exposed and/or contaminated area thoroughly after handling.  
P271 : Use only outdoors or in a well-ventilated area.  
P280 : Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 : IF ON SKIN: Wash with plenty of water and soap.  
P304+P340 : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+P351+P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.  
P312 : Call a POISON CENTER or doctor if you feel unwell.  
P321 : Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.  
P332+P313 : If skin irritation occurs: Get medical advice/attention.  
P337+P313 : If eye irritation persists get medical advice/attention.  
P370+P378 : In case of fire: Use dry powder, foam or sprayed water to extinguish.  
P403+P233 : Store in a well ventilated place. Keep container tightly closed.  
P403+P235 : Store in a well ventilated place. Keep cool.  
P501 : Dispose of contents / container by a local waste disposal company according to regional regulations.

### **Section 3. Composition and information on ingredients**

<b>Name</b>	<b>CAS</b>	<b>Concentration %</b>
Light aliphatic solvent naphtha	64742-89-8	100

### **Section 4. First aid measures**

#### **Description of first aid if required:**

Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

#### **Eye contact:**

Rinse eyes thoroughly with water for at least 15 minutes.

#### **Skin contact:**

Wash exposed and/or contaminated area thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN: Wash with plenty of water and soap.

#### **Inhalation:**

Bring the conscious victim to fresh air. Avoid breathing dust/fumes/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.

#### **Ingestion:**

Do NOT induce vomiting.

#### **Indication of immediate medical attention and special treatment needed, if necessary:**

Do not give anything by mouth to an unconscious victim. See a doctor.

### **Section 5. Fire fighting measures**

#### **Flammability of the product :**

Flammable

#### **Flash point :**

70°C / 158°F

#### **Auto-ignition temperature :**

236°C / 456.8°F

#### **Products of combustion :**

Carbon oxides

### **Special protective actions for fire-fighters :**

Wear self-contained breathing apparatus and appropriate protective clothing.

### **Suitable extinguishing media :**

Water spray, Carbon dioxide, Foam, Dry Chemical, Do not use water jet.

### **Lower limit of explosivity :**

0.6%

### **Upper limit of explosivity :**

6.0%

## **Section 6. Accidental release measures**

### **Personal precautions, protective equipment and emergency procedures:**

**For non emergency personnel:** Evacuate the area.

**For emergency personnel:** Splash goggles, full suit, chemical resistant gloves. A self-contained breathing apparatus is recommended to avoid inhalation of the product. Suggested protective clothing might not be sufficient. Consult a specialist before handling this product.

### **Environmental precautions:**

Do not let product enter drains

### **Methods and material for containment and cleaning up:**

Use appropriate tools to put the spilled solid in a convenient waste disposal container.

## **Section 7. Handling and storage**

### **Precautions in Handling:**

Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin and eyes.

### **Precautions in Storage:**

Keep container tightly closed in a cool, dry and well-ventilated place.

## **Section 8. Exposure Controls, Personal Protections**

### **Engineering controls:**

Use mechanical exhaust or laboratory fumehood to avoid exposure.

### **Personal protective equipment:**

**Eyes:** Wear safety glasses.

**Skin/body:** Wear a lab coat or any other appropriate protective clothing.

**Respiratory:** If ventilation is insufficient, choose appropriate respiratory protection according to levels and duration of exposure.

**Hands:** Wear chemical resistant protective gloves.

## **Section 9. Physical and chemical properties**

**Physical state:** Liquid

**Color:** Clear

**Odour:** Mild

**Melting point/Freezing point:** -49°C / -56.2°F

**Boiling point:** 193°C / 379.4°F

**Appearance:** Clear

**Lower explosion limit:** 0.6%

**Upper explosion limit:** 6.0%  
**Flash point:** 70°C / 158°F  
**Auto-ignition temperature:** 236°C / 456.8°F  
**pH:** Data not available  
**Kinematic viscosity:** 2.4 mm<sup>2</sup>/s at 20C  
**Solubility:** Partially soluble  
**Vapour pressure:** 0.4 hPa  
**Density:** 0.82  
**Relative vapour density:** Not available  
**Evaporation rate:** Not available  
**VOC:** 820 gr/l

## **Section 10. Stability and reactivity**

**Chemical reactivity:** Stable under recommended storage conditions.  
**Chemical stability:** Stable under recommended storage conditions.  
**Possibility of hazardous reactions:** May ignite if heated strongly.  
**Reactivity conditions:** Heat, flames and sparks.  
**Conditions to avoid:** Heat, flames and sparks.  
**Incompatible materials:** Strong oxidizing agents, acids.  
**Hazardous decomposition products:** Carbon oxides

## **Section 11. Toxicological information**

### **Acute toxicity :**

<b>Component</b>	<b>CAS</b>	<b>Value</b>
Light aliphatic solvent naphtha	64742-89-8	DL <sub>50</sub> Oral : Rat > 6000 mg/kg DL <sub>50</sub> Cutaneous : Rat > 3000 mg/kg CL <sub>50</sub> Inhalation : Rat - = 3400 ppm 4h

### **Skin corrosion/irritation :**

May cause skin irritation.

### **Serious eye damage/irritation :**

May cause eye irritation.

### **Respiratory or skin sensitisation :**

Not applicable

### **Gem cell mutagenicity :**

Not applicable

### **Carcinogenicity :**

Not applicable

### **Reproductive toxicity :**

Not applicable

### **STOT- Single exposure :**

May cause drowsiness or dizziness and may cause irritation to the respiratory tract.

**STOT- repeated exposure :**

Not applicable

**Aspiration hazard :**

Not applicable

**Information on likely route of exposure :****Section 12. Ecological information****Ecological data for aquatic environments :**

Component	CAS	Value
Light aliphatic solvent naphtha	64742-89-8	CE <sub>50</sub> - Pseudokirchneriella subcapitata 4700 mg/L - 72h

**Persistence and degradability :**

Oxidizes rapidly in the air, by photochemical reaction; easily biodegradable.

**Bioaccumulative potential :**

Potentially bioaccumulable

**Mobility in soil :**

No data available


**Other adverse effects :**


May cause long-term adverse effects in the aquatic environment.


**Section 13. Disposal considerations****Waste disposal :**


Dispose of the chemical waste is in conformity with the federal, provincial and local laws. Store the residues of the product in safe containers. Place the containers in storage area of dangerous chemical waste.

**Section 14. Transportation information**

TDG		
UN # : UN 1268	Proper shipping name : Flammable liquids, Petroleum distillates, N.O.S.	
Class : 3	Packing group : II	

DOT		
UN # : UN 1268	Proper shipping name : Flammable liquids, Petroleum distillates, N.O.S.	
Class : 3	Packing group : II	

IMDG			
UN # : UN 1268	Proper shipping name : Flammable liquids, Petroleum distillates, N.O.S.		
Class : 3	Packing group : II		

IATA		
UN # : UN 1268	Proper shipping name : Flammable liquids, Petroleum distillates, N.O.S.	
Class : 3	Packing group : II	

## **Section 15. Regulatory information**

## **Section 16. Additional information**

### **Date of issue :**

2018-06-01

### **Version :**

1.00

### **Elaborated by :**

Solutions Chemco

### **Notice to reader :**

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### **Références :**

- *Répertoire toxicologique of la Commission des normes, de l'équité, de la santé et de la sécurité du travail.*
- *Registry of Toxic effects of Chemical Substances of the Canadian Centre for Occupational Health and Safety.*
- *Material safety data sheet from the manufacturer.*
- *Hazardous Products Regulations (DORS/2015-17).*
- *Canadian Transport of Dangerous Goods.*
- *The Globally Harmonized System of Classification and Labelling of Chemicals (GHS) <http://www.hc-sc.gc.ca/a>*