

# Camlab Limited – Material Safety Data Sheet


## 1. Identification

Product Code CC/1541-EH

Product Name **PETROLEUM SPIRIT 40/60 A.R.**

CAS Number **64741-84-0**

Supplier: **CAMLAB LIMITED**

 **Norman Way Industrial Estate  
Over  
Cambridge  
England  
CB4 5WE**

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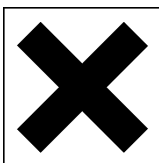
Fax **01954 233101**

Emergency Telephone **08:00-17:00 01954 233110**  
**24hr 112**  
**(Have this document to hand)**

## 2. Composition

Component	CAS No	EEC No	Conc w/w	Classification & Risk Phrases	Exp (See 8.1)
Mixed hydrocarbon solvent	802-32-4	232-453-7	> 99.5%	F Xn : R11,R48/20/21/22	WEL

## 3. Hazards Identification



Highly flammable. Harmful: danger of serious damage to health by prolonged exposure through inhalation, contact with skin and if swallowed.

## 4. First Aid Measures

**Eyes** Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. OBTAIN MEDICAL ATTENTION.

**Skin** Thoroughly wash off skin with soap and water. Remove contaminated clothing immediately and wash before re-use. In severe cases or if exposure has been great, OBTAIN MEDICAL ATTENTION.

**Inhalation** Remove from exposure. Keep warm and at rest. If there is difficulty in breathing give oxygen if available. If breathing stops or shows signs of failing, apply artificial resuscitation. If unconscious place in the recovery position. OBTAIN MEDICAL ATTENTION URGENTLY.

**Ingestion** If conscious give plenty of water to drink. Do not induce vomiting. If there is difficulty in breathing give oxygen if available. If breathing stops or shows signs of failing, apply artificial resuscitation. If unconscious place in the recovery position. OBTAIN MEDICAL ATTENTION URGENTLY.

## 5. Fire Fighting Measures

**Hazards** Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus. Vapour-air mixtures are explosive.

**Extinguishing Media** Water spray, foam, dry powder or carbon dioxide. Use water spray to keep fire exposed containers cool.

**Unsuitable Media** Do not use water jet.

## 6. Accidental Release Measures

Personal Protection	Ensure no sources of ignition. Avoid breathing vapour. Use approved personal protective equipment. Evacuate area immediately. Do not allow general use of area until it is safe to do so. Beware : vapour is heavier than air and will tend to accumulate at low spots.
Environmental	Keep material out of sewers, storm drains, surface waters and soil. Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.
Major Spillage	Contain and absorb on inert material. Transfer absorbent to salvage container for removal. Wash area down with copious amounts of water.
Minor Spillage	Contain and absorb on inert material. Transfer absorbent to container for removal. Allow solvent to evaporate in remote area, then dispose of absorbent as solid chemical waste. Wash area down with copious amounts of water.

## 7. Storage & Handling

Handling Precautions	All transfer systems should be earthed to prevent accumulation of static electricity. Avoid contact with skin and eyes. Do not breath vapours. Do not allow to contaminate clothing.  Ensure Local Exhaust Ventilation maintains vapour concentrations below the recommended limits.
Storage Conditions	Well ventilated, cool, dry storage . Protect from direct sun and store away from sources of ignition. Keep containers closed when not in use. Keep well separated from oxidising agents. Large quantities must be stored in accordance with the Petroleum Spirits Act.

## 8.1 Workplace Exposure Limits

Component	CAS No	Workplace Exposure Limits				Maximum Exposure Limits			
		Long Term		Short Term		Long Term		Short Term	
		ppm	mg m <sup>-3</sup>	ppm	mg m <sup>-3</sup>	ppm	mg m <sup>-3</sup>	ppm	mg m <sup>-3</sup>
Mixed hydrocarbon solvent	802-32-4	150.0	-	-	-	-	-	-	-

## 8.2 Personal Protection

Respiratory	Use L.E.V. or natural ventilation to maintain vapour concentrations below exposure limits. If not, use a well maintained chemical cartridge organic vapour respirator, or use self contained breathing apparatus.
Hands	Use solvent resistant gloves.
Eyes	Use chemical splash proof glasses or goggles.
Skin	Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

## 9. Physical & Chemical Properties

Appearance	Clear colourless liquid.
Odour	Characteristic.
pH	Not available
Boiling point	42.0 °C
Melting point	60.0- °C
Flash point	45.0- °C(Closed cup)
Upper Flammable Limit	8.0 %
Lower Flammable Limit	0.9 %
Auto Ignition	230.0 °C
Explosive properties	Severe in confined spaces.
Oxidising Properties	No.
Vapour Pressure	400 mmHg @ 20,C
Relative Density	0.6600
Water Solubility	Insoluble in water.

## 10. Stability & Reactivity

Chemical Stability	Stable under normal conditions
Conditions to Avoid	Hot surfaces, naked flames or other sources of ignition.

## 10. Stability & Reactivity (continued)

Materials to Avoid	Strong oxidising agents.
Hazardous Decomposition Products	None unusual. Burning will produce smoke, carbon monoxide and/or carbon dioxide.

## 11. Toxicological Information

Eyes	Both the vapour and liquid will, act as an eye irritant. Repeated exposure to the vapours can lead to reversible corneal changes and conjunctivitis
Skin	The liquid is mildly irritating to the skin. Repeated or prolonged contact may defat the skin producing irritation and dermatitis.
LD50 Skin	Not available
Ingest	Ingestion will cause causes damage to stomach and intestinal linings. The liquid causes damage to stomach and intestinal linings.
LD50 Ingest	Not available
Inhalation	Exposure to vapour concentrations above the occupational exposure limits will cause narcosis. Prolonged exposure to vapour concentrations above the occupational exposure limits will cause headache, nausea, vomiting and irritation of the mucous membranes. High concentrations of vapour may produce central nervous system depression and unconsciousness.
Carcinogenicity	Not considered to be a carcinogen.
Mutagenicity	Not considered to be a mutagen.
Reproductive Effects	Not teratogenic but can be toxic to the embryo and foetus and may result in reduced fertility.

## 12. Ecological

Moderately toxic to mammals, fish and bacteria.

## 13. Disposal Considerations

Disposal Methods	Dispose of in a licensed incinerator for organic solvents. Do not dispose of as domestic waste. Never dispose of into water courses or sewerage systems due to high risk of explosion.
Contaminated Packaging	Use a licensed waste disposer. Do not attempt to burn any residual liquids due to risk of explosion.

## 14. Transport Information

Proper Shipping Name	Petroleum distillates n.o.s.
UN Number	1268
UN Classification	3 Flammable liquid
Subsidiary Risk	None
Flash Point	45.0- °C(Closed cup)
Packing Group	II
Transport Category	2
Marine pollutant	No
ADR Hazard ID	33



## 15. Regulatory Information

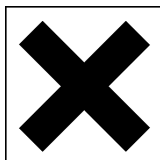
Labelling	Highly Flammable, Harmful.
Classification	

Label Symbols

F



Xn



## 15. Regulatory Information (continued)S33,S43,S62,S51

Risk & safety Phrases	Highly flammable. Harmful: danger of serious damage to health by prolonged exposure through inhalation, contact with skin and if swallowed. Keep container in a well ventilated place. Keep away from sources of ignition - No Smoking. Do not breath vapour. Avoid contact with skin and eyes. Do not empty in to drains. Take precautionary measures against static discharges. In case of fire use dry powder extinguisher - Never use water. If swallowed, do not induce vomiting; seek medical advice immediately and show this label/container. Use only in well ventilated areas.
EEC Number	265-086-6

## 16. Other Information

Document Information	<p>This document has been prepared in accordance with directive 88/379/EEC.</p> <p>The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment.</p> <p>Revision Date: 19/11/03. Data reviewed and PDF file generated: 19/07/07. Copyright 2007 Camlab Limited.</p>
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