

Material Safety Datasheet

CAS No 8008-20-6 or 64742-81-0

Date Issued: 04/12/2012

ILLUMINATING PARAFFIN

Company Details

<u>Name</u>	PACE OIL	<u>Emergency</u>	0800202202
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1. Product and Company Identification

<u>Trade / Commercial Name</u>	ILLUMINATING PARAFFIN		
<u>Chemical Name</u>	paraffin (kerosene)		
<u>Formula</u>	Parraffin is specified as 15.9% aromatics, 52.8% cy		
<u>Chemical Family</u>			
<u>Synonyms</u>	Astral Oil; Coal Oil, Fuel Oil No. 5, Kerosine, paraffin, kerosene, aviation jet a1 fuel,		
<u>Un No</u>	1223 <u>Hazchem Code</u>		3[Y]
<u>ERG No</u>	128 <u>EAC</u>		27

2. Hazards Identification

Flammable.

Harmful if swallowed.

May have irritant effect: on eyes, on skin, on air passages.

Decomposes in a fire giving off toxic fumes. The effect of inhalation may be delayed.+

3. Composition

Hazardous Components Kerosene (paraffin) CAS: 8008-20-6 or 10064742-81-0 100%

4. First Aid Measures

<u>First Aid Skin</u>	Remove & isolate contaminated clothing, including shoes. Flush body with plenty of water for at least 20 minutes. Wash skin with soap and water. 00Keep victim warm and quiet.
<u>First Aid Eyes</u>	Flush eyes with water for 15 minutes. Hold eyelids open while washing.
<u>First Aid Ingested</u>	Do not induce vomiting. Seek medical assistance.

First Aid Inhalation

Move victim to fresh air.

If not breathing give artificial respiration.

If breathing of victim is difficult administer oxygen for a maximum period of one hour.

5. Fire Fighting Measures

CAUTION: All these products have a very low flash point: Use of water spray when fighting fire may be inefficient.

Small Fires: Dry chemical, CO₂, water spray or regular foam.

Large Fires: Water spray, fog or regular foam. Do not use straight streams.

Move containers from fire area if you can do it without risk.

Fire involving Tanks or Bulk Containers: Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.

Cool containers with flooding quantities of water until well after fire is out.

Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.

ALWAYS stay away from the ends of tanks. For massive fire, use unmanned hose holders or monitor nozzles;

if this is impossible, withdraw from area and let fire burn.

Isolate spill or leak area immediately for at least 25 to 50 metres (80 to 160 feet) in all directions.

Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

Wear positive pressure self-contained breathing apparatus (SCBA).

Structural firefighters' protective clothing will only provide limited protection.

Large spill consider initial downwind evacuation for at least 300 metres (1000 feet).

If ROAD OR RAIL TANKER is involved in a fire, ISOLATE for 800 metres (1/2 mile) in all directions;

also, consider initial evacuation for 800 metres (1/2 mile) in all directions.

6. Accidental Release Measures

Breathing apparatus for fire only

Contain (avoid spillage from entering drains or water courses)

PRECAUTIONS:

Restrict access to area.

Provide adequate protective equipment and ventilation.

Remove sources of heat and flame.

Notify occupational and environmental authorities.

SPILL OR LEAK:

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

All equipment used when handling the product must be grounded.

Do not touch or walk through spilled material.

Stop leak if you can do it without risk.

Prevent entry into waterways, sewers, basements or confined areas.

A vapour suppressing foam may be used to reduce Vapours.

Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Use clean non-sparking tools to collect absorbed material.

Large Spills

Dike far ahead of liquid spill for later disposal.

Water spray may reduce vapour; but may not prevent ignition in closed spaces.

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).

Separation of at least 3M from the following classes is recommended.

Corrosives

Fire separation of at least 5M or 4Hr fire resistant wall from the following classes is recommended.

Flammable Gases Flammable Solids

Spontaneously Combustibles Dangerous When Wet

Poison

Storage in the same room or space is prohibited with the following classes:

The rooms or spaces should be at least 10M apart.

Explosives Poisonous Gases

Oxidizing Agents Organic Peroxides

Radioactive

8. Exposure Controls/Personal Protection

Occupational Exposure Limits OSHA PEL: 100 PPM ACGIH TLV: 100 PPM

Controls

The control measures appropriate for a particular worksite depend on how this material is used and on the extent of exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Use a non-sparking, grounded ventilation system separate from other exhaust ventilation systems. Exhaust directly to the outside. Supply sufficient replacement air to make up for air removed. Have a safety shower/eye wash fountain readily available in

Personal Protection the immediate work area
If engineering controls and work practices are not effective in controlling this material, then wear suitable personal protection equipment, including chemical safety goggles & face shield, boots, imperious gloves, coveralls, & respiratory protection. Have appropriate equipment available for use in emergencies.

9. Physical & Chemical Properties

A pale yellow to water white oily liquid with perceptible odour.
Boiling Point: 180 to 300 oC depending upon formulation
Relative Density: vapour: 4,5 (air:1)
liquid: 0,81 (water:1)
Flash Point: 38 to 66 oC (closed cup)
Flammable Limits: 0,7 to 5,0 % by volume in air.
Autoignition Temperature: 229 oC.
With moderate heat or relatively high temperature exposure, ignition can occur.
Vapours are heavier than air and may travel some distance to a source of ignition and flash back.

10. Stability And Reactivity

<u>Conditions to Avoid</u>	Risk of violent reaction.
<u>Incompatible Materials</u>	strong oxidizing agents.
<u>Other</u>	None.

11. Toxicological Information

Harmful if swallowed. May act as an irritant. May act as a carcinogen for prolonged occupational exposure.

Toxicity data

ORL-RAT LD50 28000 mg kg-1

IVN-RBT LD50 180 mg kg-1

IPR-RBT LD50 6600 mg kg-1

ORL-GPG LD50 20000 mg kg-1

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:

Slightly hazardous in case of skin contact (sensitizer).

MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast.

The substance is toxic to the nervous system.

The substance may be toxic to blood, kidneys, liver, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

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: Not available.

Special Remarks on the Products of Biodegradation: Not available.

13. Disposal Considerations

<u>Disposal Method Product</u>	There are no uniform EC regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.
<u>Disposal Method Packaging</u>	Disposal in accordance with local legal provisions.

14. Transport Information

<u>UN No</u>	1223	<u>Hazchem Code</u>	3[Y]
<u>ERG No</u>	128	<u>EAC</u>	27
<u>IMDG-Shipping Name</u>	KEROSENE		
<u>IMDG Code</u>	3151	<u>IMDG-Packaging Group</u>	III
<u>Marine Pollutant</u>	Yes		
<u>Class</u>	Class: 3 Flammable Liquid Group: III		
<u>Subsidiary Risks</u>	None		

15. Regulatory Information

<u>EEC Hazard Classification</u>	3
<u>Risk Phases</u>	R11 Highly flammable. R20 Harmful by inhalation. R22 Harmful if swallowed. R36 Irritating to eyes.

Safety Phases

- R37 Irritating to respiratory system.
- R38 Irritating to skin.
- S3 Keep in a cool place.
- S7 Keep container tightly closed.
- S9 Keep container in a well-ventilated place.
- S16: Keep away from sources of ignition - no smoking.

National Legislation

16. Other Information

Reason for Alteration: General update.

The information contained herein is based on the present state of our knowledge.
 It characterizes the product with regard to the appropriate safety precautions.
 It does not represent a guarantee of the properness of the product.

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