



Material Safety Data Sheet

Brannan MSDS:	003.0
Issue Date:	July 2012
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MSDS for Odourless Kerosene

1. Product and Company Identification

1.1 Supplier Identification

S. Brannan & Sons Ltd

Leconfield Ind. Est.

Cleator Moor

Cumbria

Contact e-mail: sales@brannan.co.uk

Emergency Telephone Number: +44 (0)1946 816600

1.2 Product Identifier

Trade Name	Odourless Kerosene
Substance Name	Distillates (petroleum), hydrotreated light
CAS-No	64742-47-8
EC-No	265-149-8

2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Regulation (EC) No 1272/2008			
Hazard Class	Hazard Category	Target Organs	Hazard Statement
Aspiration hazard	Category 1		H304

For the full text of the H-Statements mentioned in this Section, see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Directive 67/548/EEC or 1999/45/EC	
Hazard Symbol / Category of Danger	Risk Phases
Harmful (Xn)	R65
	T66

For the full text of the R-phrases mentioned in this Section, see Section 16.

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Most important adverse effects

Human Health	See section 11 for toxicological information. No further information available.
Physical and Chemical Hazards	See section 9 for physicochemical information. No further information available.
Potential Environmental Effects	See section 12 for environmental information. No further information available.

2.2 Label Elements

Labelling according to Regulation (EC) No 1272/2008

Hazard Symbols		
Signal Word	Danger	
Hazard Statement	H304	May be fatal if swallowed and enters airway
Precautionary Statements		
Response	P301 + P310	IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.
	P331	DO NOT induce vomit.
Storage	P405	Store locked up.
Disposal	P501	Dispose of contents/container to an approved waste disposal plant.

Additional Labelling

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH210 Safety data sheet available on request.

Hazardous components which must be listed on the label:

II-Distillates (petroleum), hydrotreated light.

2.3 Other Hazards

No other information is available.

3. Composition, Information on Ingredients

3.1 Substances

Chemical Name	Identification Number	Amount [%]
Distillates (petroleum)	CAS-No: 649-422-00-2	<=100
hydrotreated light	EC-No: 265-149-8	<=100

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4. First Aid Measures

4.1 Description of First Aid Measures

General Advice	Take off all contaminated clothing immediately
Skin Contact	Remove contaminated clothing and shoes immediately. Wash affected area with soap or mild detergent, and large amounts of water. In cases of burns, cover lightly with sterile, dry dressing. Get medical attention immediately.
Eye Contact	Immediately flush eyes thoroughly with large amounts of water for 15-20 minutes. Hold eyelids open during flushing. Get medical attention immediately.
Inhalation	In case of accident by inhalation: remove casualty to fresh air and keep at rest. If breathing is irregular or stopped, administer artificial respiration. If unconscious, place in recovery position and seek medical advice.
Ingestion	Clean mouth with water and drink plenty of water afterwards. If swallowed, do not induce vomiting - seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	No further information available
Effects	No further information available

4.3 Indication of any immediate medical attention and special treatment needed

Treatment	Treat symptomatically. No further information available.
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5. Fire Fighting Measures

5.1 Extinguishing Media

Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable Extinguishing Media	High volume water jet.

5.2 Special Hazard arising from the Substance or Mixture

Specific Hazards during Fire Fighting	Flammable. Heating may produce combustible vapour which can form explosive mixture with air.
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5.3 Advise for Fire Fighters

Fire-Fighters' Special Protective Equipment	In the event of fire, wear self-contained breathing apparatus. Wear appropriate body protection (full protective suit)
Further Information	Cool closed containers exposed to fire with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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6. Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions	Use personal protective equipment. Keep people away from and upwind of spill/leak. Avoid contact with skin and eyes.
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6.2 Environmental Precautions

Environmental Precautions	Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.
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6.3 Methods and Materials for Containment and Cleaning Up

Methods and Materials for containment and cleaning up	Contain spillage, and then collect with non-combustible absorbent material, (eg sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Ensure adequate ventilation. This material and its container must be disposed of as hazardous waste.
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6.4 Reference to other sections

For personal protection, see section 8.

7. Handling & Storage

7.1 Precautions for Safe Handling

Advice on Safe Handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with the skin and the eyes. Keep container tightly closed. Handle and open container with care. Provide sufficient air exchange and/or exhaust in work rooms. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity.
Hygiene Measures	Take off all contaminated clothing immediately. Wash hands before breaks and at the end of the workday. Avoid contact with the skin and the eyes. Keep away from food, drink and animal feedingstuff. Smoking, eating and drinking should be prohibited in the application area. Do not breathe gas/fumes/vapour/spray.

7.2 Conditions for Safe Storage, including any incompatibilities

Requirements for Storage areas and Containers	Store in cool place. Keep in an area equipped with solvent resistant flooring. Suitable materials for containers: Stainless steel polyethylene containers Polypropylene polyester Teflon. Unsuitable materials for containers: butyl-rubber ethylene propylene diene rubber natural rubber polystyrene.
Advice on Protection against Fire and Explosives	Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

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Further Information on Storage Conditions	Keep tightly closed in a dry and cool place. Keep away from heat. Keep away from direct sunlight.
Advice on Common Storage	Incompatible with oxidizing agents. Keep away from combustible material.

7.3 Specific end uses

Specific uses	No information available.
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8. Exposure Controls / Personal Protection

8.1 Control Parameters - Other OELs

Additional Information	Contains no substances with occupational exposure limit values.
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8.2 Exposure Controls

Engineering Measures	Refer to protective measures listed in sections 7 and 8.
Personal Protective Equipment	
Respiratory Protection	In case of insufficient ventilation, wear suitable respiratory equipment. Filter type A for organic gases and vapours.
Hand Protection	Wear suitable gloves. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. The glove material has to be impermeable and resistant to the product / the substance / the preparation. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Material: Nitrile rubber Gloves: \geq 8 h Glove thickness: 0.5mm
Eye Protection	Tightly fitting safety goggles
Skin and Body Protection	Impervious clothing
Environmental Exposure Controls	
General Advice	Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Form	Liquid - Clean
Colour	Colourless

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Odour	Hydrocarbon-like
Odour Threshold	Currently we do not have any information from our supplier about this.
pH	Currently we do not have any information from our supplier about this.
Melting Point/Range	< -20°C
Boiling Point/Range	180 - 270°C
Flash Point	> 70°C Method: ASTM D93
Evaporation Rate	Currently we do not have any information from our supplier about this.
Flammability (solid, gas)	Currently we do not have any information from our supplier about this.
Upper Explosion Limit	7.0% (V)
Lower Explosion Limit	0.6% (V)
Vapour Pressure	0.30 hPa 20°C
Relative Vapour Density	Currently we do not have any information from our supplier about this.
Density	ca. 0.771 - 0.871 g/cm ³ 15°C
Water Solubility	< 0.01 g/l 20°C Practically insoluble
Partition Coefficient n-octanol/water	Currently we do not have any information from our supplier about this.
Ignition Temperature	> 200°C
Thermal Decomposition	Currently we do not have any information from our supplier about this.
Viscosity, Kinematic	Currently we do not have any information from our supplier about this.
Explosivity	Currently we do not have any information from our supplier about this.
Oxidizing Properties	Currently we do not have any information from our supplier about this.

10. Stability and Reactivity

10.1 Reactivity

Advice	No information available.
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10.2 Chemical Stability

Advice	Stable under recommended storage conditions
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10.3 Possibility of Hazardous Reactions

Hazardous Reactions	None known
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10.4 Conditions to Avoid

Conditions to Avoid	Heat, flames and sparks. Take precautionary measures against static discharges
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10.5 Incompatible Materials

Materials to Avoid	Incompatible with oxidising agents. Strong acids.
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10.6 Hazardous Decomposition Products

Hazardous Decomposition Products	None known
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11. Toxicological Information

11.1 Information on Toxicological Effects

Product: Distillates (petroleum), hydrotreated light	
Acute Toxicity	
Oral	
Remarks	Ingestion may result in vomiting, gastric pain and symptoms like inhalation. Already after ingestion or vomiting of small quantities may cause cough and possibly difficulty in breathing. Chemical pneumonia may occur in the course of a day.
Irritation	
Skin	
Remarks	Prolonged skin contact may defat the skin and produce dermatitis.
Eyes	
Result	Irritation to eyes.
Sensitisation	
Remarks	Did not cause sensitization on laboratory animals.

Component: Distillates (petroleum), hydrotreated light		CAS-No. 64742-47-8
Acute Toxicity		
Oral		
Value Type	LD50	
Value	> 5,000 mg/kg	
Species	Rat	
Inhalation		
Value Type	LD50	
Value	> 5.2 mg/l	
Exposure Time	4 h	
Species	Rat	

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Dermal	
Value Type	LD50
Value	> 2,000 mg/kg
Species	Rabbit
Irritation	
Skin	
Species	Rabbit
Result	Mild skin irritation
Method	OECD Test Guidelines 404
Sensitisation	
Species	Guinea pig
Result	Not sensitizing
Method	Buehler Test

12. Ecological Information

12.1 Toxicity

Component: Distillates (petroleum), hydrotreated light		CAS-No. 64742-47-8
Acute Toxicity		
Fish		
Species	Pimephales promelas	
Exposure Time	96 h	
Value Type	LC50	
Value	45 mg/l	
Algae		
Species	Pseudokirchneriella subcapitata	
Exposure Time	96 h	
Value Type	LC50	
Value	4.2 mg/l	

12.2 Persistence and Degradability

Product: Distillates (petroleum), hydrotreated light	
Persistence and Degradability	
Biodegradability	
Remarks	Readily biodegradable

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Component: Distillates (petroleum), hydrotreated light		CAS-No. 64742-47-8
Persistence and Degradability		
Biodegradability		
Biodegradation	68%	
Method	OECD 301 F	
Remarks	Biodegradable	

12.3 Bioaccumulative Potential

Product: Distillates (petroleum), hydrotreated light	
Bioaccumulation	
Remarks	The product evaporated readily. This product is not considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB)

12.4 Mobility in Soil

12.5 Results of PBT and vPvB Assessment

Product: Distillates (petroleum), hydrotreated light	
Additional Ecological Information	
Remarks	Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

13. Disposal Considerations

13.1 Waste Treatment Methods

Product	Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Dispose of as special waste in compliance with local and national regulations.
Contaminated Packaging	In accordance with local and national regulations. Dispose of as unused product.
European Waste Catalogue Number	Waste codes should be assigned by the user based on the application for which the product was used.

14. Transport information

Not dangerous goods

14.1 UN Number

Not applicable

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14.2 UN Proper Shipping Name

Not applicable

14.3 Transport Hazard Class(es)

Not applicable

14.4 Packaging Group

Not applicable

14.5 Environmental Hazards

Not applicable

14.6 Special Precautions for User

Not applicable

14.7 Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC Code

IMDG	Not applicable
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15. Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

Other Regulations	Occupational Restrictions: Take note of Dir 92/85/EEC on the safety and health of pregnant workers at work and of Dir 94/33/EC on the protection of young people at work.
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15.2 Chemical Safety Assessment

Currently we do not have any information from our supplier about this.

16. Other Information

Full text of R-phrases referred to under sections 2 and 3.

R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking

Full text of H-phrases referred to under sections 2 and 3.

H304	May be fatal if swallowed and enters airways
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Further Information

Other Information

Restricted to professional users.

Attention - Avoid exposure - obtain special instructions before use.

The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the product with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship. The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

It should be noted that this MSDA considers the risks associated with bulk material. The volume of this material in thermometers is very minimal. The risks from a broken thermometer should be considered sensibly.

|| Inducates updated section.

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