



## SAFETY DATA SHEET Citronella Lantern & Torch Oil

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name Citronella Lantern & Torch Oil  
Internal Id 0352

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Lamp oil for outdoor use in lanterns and torches.  
Uses advised against Any use other than those identified.

#### 1.3. Details of the supplier of the safety data sheet

Supplier Barrettine  
Barrettine Works  
St Ivel Way  
Warmley  
Bristol  
BS30 8TY  
Tel: 0117 960 0060  
Fax: 0117 935 2437  
sales@barrettine.co.uk

#### 1.4. Emergency telephone number

+44 (0) 1270 502 891

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Not classified.
Human health	EUH066; Asp. Tox. 1 - H304
Environment	Not classified.

Classification (1999/45/EEC)

Xn;R65. R66.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Human health

Just a sip of Citronella Lantern & Torch Oil may lead to life threatening lung damage.

Environment

The product is not expected to be hazardous to the environment.

#### 2.2. Label elements

Contains hydrocarbons, C11-C14, n- and isoalkanes, cyclics, <2% aromatics  
Label In Accordance With (EC) No. 1272/2008



# Citronella Lantern & Torch Oil

Signal Word	Danger	
Hazard Statements	H304	May be fatal if swallowed and enters airways.
Precautionary Statements	P271A	For outdoor use only.
	P301+310A+331	IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. (if medical advice is needed have a label or bottle to hand) Do NOT induce vomiting.
	P302+352	IF ON SKIN: Wash with plenty of soap and water.
	P405A	Store locked up. Keep lamps filled with this liquid out of the reach of children.
Supplemental label information	P501B	Dispose of contents/container to hazardous waste collection point.
	EUH066	Repeated exposure may cause skin dryness or cracking.

## 2.3. Other hazards

For outdoor use only.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

## 3.2. Mixtures

hydrocarbons, C11-C14, n- and isoalkanes, cyclics, <2% aromatics		>98%
CAS-No.:	EC No.: 926-141-6	Registration Number: 01-2119456620-43-XXXX
This material does not have a CAS number and is defined by its EC number.		
Classification (EC 1272/2008)	Classification (67/548/EEC)	
EUH066	Xn;R65.	
Asp. Tox. 1 - H304	R66.	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: FIRST AID MEASURES

## 4.1. Description of first aid measures

### General information

Remove affected person from source of contamination.

### Inhalation

Clean nose and mouth with water. If unconscious or breathing is irregular artificial respiration may be administered by suitably qualified first-aiders. If symptoms persist, get medical attention.

### Ingestion

If swallowed do NOT induce vomiting. Never give anything by mouth to an unconscious person. If patient vomits keep head low to prevent vomit entering lungs. If conscious give 1 - 2 glasses of water to drink.

Rinse mouth thoroughly and seek medical attention immediately. Keep patient at rest.

### Skin contact

Remove contaminated clothing and shoes. Wash skin thoroughly with soap and running water. Take especial care to clean folds, crevices, creases and groin.

Get medical attention if irritation persists or develops.

Launder clothing and clean shoes thoroughly before reuse.

### Eye contact

Check for contact lenses which must be removed from the eyes before rinsing.

Promptly rinse eyes with plenty of clean water while lifting the eyelids.

Continue to rinse for at least 15 minutes. Continue until the eyes are free of all traces of contamination.

Get medical attention if any discomfort or irritation persists.

## 4.2. Most important symptoms and effects, both acute and delayed

### Inhalation

Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

# Citronella Lantern & Torch Oil

## Ingestion

DO NOT induce vomiting if swallowed chemical is dissolved in petroleum-based material. Danger of aspiration and development of chemical pneumonia.

## Skin contact

Prolonged contact may cause redness, irritation and dry skin.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat Symptomatically. Give supportive therapy if indicated.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### Extinguishing media

Extinguish with foam, carbon dioxide, dry powder, sand, dolomite or other inert material.

#### Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

### 5.2. Special hazards arising from the substance or mixture

#### Hazardous combustion products

During fire, toxic gases (CO, CO<sub>2</sub>) are formed.

#### Unusual Fire & Explosion Hazards

Vapours are heavier than air and may spread near ground to sources of ignition.

#### Specific hazards

Decomposition / combustion products include: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

### 5.3. Advice for firefighters

#### Protective equipment for fire-fighters

Wear self-contained breathing apparatus and full protective clothing. Keep all unnecessary people away. Fire water run-off must not be allowed to contaminate ground or enter drains, sewers or water courses. Provide bunding against fire water run-off.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing (see Section 8).

### 6.2. Environmental precautions

### 6.3. Methods and material for containment and cleaning up

Ventilate well. Extinguish all ignition sources. Avoid sparks, flames, heat. No smoking. Keep flammable materials away from spillage. Clean-up personnel should use respirator and liquid contact protection.

Absorb in vermiculite, dry sand or earth and place into containers. Wash well after dealing with spillage. Inform authorities if large amounts are involved.

Rinse site with copious amounts of water, which should not be allowed into drains, sewers or water courses.

### 6.4. Reference to other sections

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

For outdoor use only. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

### 7.2. Conditions for safe storage, including any incompatibilities

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

### 7.3. Specific end use(s)

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

# Citronella Lantern & Torch Oil

## 8.1. Control parameters

### Ingredient Comments

No exposure limits noted for ingredient(s).

### hydrocarbons, C11-C14, n- and isoalkanes, cyclics, <2% aromatics

No-threshold effect and/or no dose-response information available.

## 8.2. Exposure controls

### Process conditions

FOR OUTDOOR USE ONLY.

### Engineering measures

Provide adequate general and local exhaust ventilation.

### Respiratory equipment

If ventilation is insufficient suitable respiratory protection must be provided.

Seek advice and recommendations of the manufacturer or supplier of equipment

### Hand protection

Wear suitable protective gloves conforming to EN 374. Seek recommendations from manufacturer or supplier. After using gloves the hands should be washed and thoroughly dried and a suitable moisturiser applied. Suitable gloves may include - Nitrile. Viton rubber (fluor rubber).

### Eye protection

Wear approved safety goggles.

### Other Protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

### Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance	Colourless-pale yellow liquid.
Odour	Characteristic. fresh citronella.
Solubility	Immiscible with water
Initial boiling point and boiling range (°C)	200 - 250°C
Relative density	ca. 0.8
Viscosity	1.5 cSt @ 40°C
Flash point (°C)	> 75
Auto Ignition Temperature (°C)	> 240
Flammability Limit - Lower(%)	0.6
Flammability Limit - Upper(%)	8.0
Partition Coefficient (N-Octanol/Water)	Scientifically unjustified.

### 9.2. Other information

Volatile Organic Compound (VOC)	>99%
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## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

### 10.2. Chemical stability

Stable under normal conditions of storage and use. See section 7.

### 10.3. Possibility of hazardous reactions

# Citronella Lantern & Torch Oil

## 10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

## 10.5. Incompatible materials

Materials To Avoid

Strong oxidising agents, acids and bases.

## 10.6. Hazardous decomposition products

Decomposition can lead to the formation of toxic gases or fumes, including carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>).

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Inhalation

Vapour may irritate respiratory system or lungs.

Ingestion

Harmful: may cause lung damage if swallowed.

Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

Pneumonia may be the result if vomited material containing solvents reaches the lungs.

Skin contact

Skin irritation on prolonged contact. Acts as a defatting agent on skin. May cause cracking of skin, and eczema.

Eye contact

May cause severe irritation to eyes.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Not toxic at limit of water solubility.

### 12.2. Persistence and degradability

Degradability

Expected to be readily biodegradable.

### 12.3. Bioaccumulative potential

Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

Partition coefficient

Scientifically unjustified.

### 12.4. Mobility in soil

Mobility:

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

### 12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

### 12.6. Other adverse effects

The product contains volatile, organic compounds which have a photochemical ozone creation potential.

## SECTION 13: DISPOSAL CONSIDERATIONS

# Citronella Lantern & Torch Oil

## General information

Product is hazardous waste. Do not allow into drains, sewers or water courses.

Disposal must be by means of a licensed waste contractor.

### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

## SECTION 14: TRANSPORT INFORMATION

General The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

Transport Labels

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

## SECTION 15: REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Statutory Instruments

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 SI No 716. (CHIP4).

Control of Substances Hazardous to Health Regulations (as amended). (COSHH)

Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007. (CDG 2009)

Management of Health & Safety at Work Regulations 1999.

#### Approved Code Of Practice

The Control of Substances Hazardous to Health Regulations 2002 (as amended). Approved code of practice and guidance.

Fifth Edition 2005. HSE Books, or download at: <http://www.hse.gov.uk/pubns/priced/I5.pdf>

#### Guidance Notes

Introduction to Local Exhaust Ventilation HS(G)37.

The storage of flammable liquids in containers HSG51 (HSE 1998).

Workplace Exposure Limits EH40/2007 (as amended).

#### EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

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Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

ADR (L'Accord européen relative au transport international des marchandises dangereuses par route.)

National Regulations

EC Directive 2009/424 on the marketing and use of lamp oils and grill lighter fluids.

### 15.2. Chemical Safety Assessment

A chemical safety assessment has been carried out.

Sensible precautions

Keep lamps filled with this liquid out of the reach of children.

Just a sip of Citronella Lantern & Torch Oil may lead to life threatening lung damage.

## SECTION 16: OTHER INFORMATION

Revision Comments

Comprehensive revision.

Revision Date 20-MAY-13

Revision 04 replaces 03

Supersedes date 12-SEP-10

Risk Phrases In Full

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

Hazard Statements In Full

H304 May be fatal if swallowed and enters airways.

EUH066 Repeated exposure may cause skin dryness or cracking.

### Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.