



## SAFETY DATA SHEET LEMON REFRESH

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

**Product name** LEMON REFRESH

**Product number** B117

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

**Identified uses** A concentrated deodoriser containing a unique blend of high quality lemon fragrances and other odour neutralising ingredients. Lemon Refresh can be added to carpet and fabric extraction and shampoo cleaning solutions, and hard surface cleaning solutions.

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

**Supplier** www.prochem.co.uk  
Prochem Europe Ltd  
Oakcroft Road  
Chessington  
Surrey  
KT9 1RH  
Telephone: 020 8974 1515 (office hours 8am to 5pm Monday to Friday)  
Fax: 020 8974 1511  
sales@prochem.co.uk

#### 1.4. Emergency telephone number

**Emergency telephone** 24 hr emergency number +44 1235 239670.  
Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department, who may seek advice from the UK National Poisons Information Service, where our full product details are held. For Republic of Ireland contact the NPIC: 01 837 9964 or 01 809 2566.

### SECTION 2: Hazards identification

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

##### Classification (EC 1272/2008)

**Physical hazards** Not Classified

**Health hazards** Eye Dam. 1 - H318

**Environmental hazards** Aquatic Chronic 3 - H412

**Human health** Irritating to eyes. May cause serious eye damage. Prolonged or repeated exposure may cause the following adverse effects: skin irritation and dermatitis. Excessive inhalation of spray, mist or vapour may cause temporary respiratory irritation. Vapours may cause drowsiness and dizziness. Ingestion may cause: systemic effects Nausea, vomiting.

**Environmental** Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

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## Hazard pictograms



### Signal word

Danger

### Hazard statements

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

EUH208 Contains Citral, d-Limonene, Citronellal, P-Mentha-1,4(8)-diene. May produce an allergic reaction.

### Precautionary statements

P102 Keep out of reach of children.

P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/ doctor.

P501 Dispose of contents / container in accordance with local / regional / national / international regulations.

### Contains

Alcohols C9-11, ethoxylated

### Detergent labelling

5 - < 15% non-ionic surfactants, < 5% perfumes, Contains Citral, d-Limonene, Linalool, Geraniol, Cinnamal, Citronellol

## 2.3. Other hazards

See section 8 for details of exposure limits.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>Alcohols C9-11, ethoxylated</b> CAS number: 68439-46-3                      EC number: 614-482-0	<b>5-10%</b>
<b>Classification</b> Acute Tox. 4 - H302 Eye Dam. 1 - H318	
<b>(2-Methoxymethylethoxy)propanol</b> CAS number: 34590-94-8                      EC number: 252-104-2                      REACH registration number: 01-2119450011-60-XXXX	<b>5-10%</b>
Substance with a Community workplace exposure limit.	
<b>Classification</b> Not Classified	

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<b>Citral</b> <span style="float: right;"><b>&lt;1%</b></span>
CAS number: 5392-40-5 <span style="margin-left: 150px;">EC number: 226-394-6</span>
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1B - H317
<b>d-Limonene</b> <span style="float: right;"><b>&lt;1%</b></span>
CAS number: 5989-27-5 <span style="margin-left: 150px;">EC number: 227-813-5</span> <span style="float: right; margin-right: 50px;">REACH registration number: 01-2119529223-47-XXXX</span>
M factor (Acute) = 1 <span style="margin-left: 150px;">M factor (Chronic) = 1</span>
<b>Classification</b> Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410
<b>Citronellal</b> <span style="float: right;"><b>&lt;1%</b></span>
CAS number: 106-23-0 <span style="margin-left: 150px;">EC number: 203-376-6</span>
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317
<b>P-Mentha-1,4(8)-diene</b> <span style="float: right;"><b>&lt;1%</b></span>
CAS number: 586-62-9 <span style="margin-left: 150px;">EC number: 209-578-0</span>
M factor (Chronic) = 1
<b>Classification</b> Flam. Liq. 3 - H226 Skin Sens. 1B - H317 Asp. Tox. 1 - H304 Aquatic Chronic 1 - H410
<b>Heptan-2-one</b> <span style="float: right;"><b>&lt;1%</b></span>
CAS number: 110-43-0 <span style="margin-left: 150px;">EC number: 203-767-1</span>
<b>Classification</b> Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Acute Tox. 4 - H332 STOT SE 3 - H336

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

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Move affected person to fresh air at once. For breathing difficulties, oxygen may be necessary. Get medical attention.
<b>Ingestion</b>	Give plenty of water to drink. Get medical attention. Never give anything by mouth to an unconscious person.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention.

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

<b>Inhalation</b>	Deliberate excessive inhalation may cause headache, dizziness and breathing irritation.
<b>Eye contact</b>	May cause moderate to severe eye irritation. Causes serious eye damage.

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

<b>Notes for the doctor</b>	Treat symptomatically.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Extinguish with the following media: Water spray, dry powder or carbon dioxide.
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#### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	No unusual fire or explosion hazards noted.
<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Oxides of carbon.

#### 5.3. Advice for firefighters

<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
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### SECTION 6: Accidental release measures

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

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
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#### 6.2. Environmental precautions

<b>Environmental precautions</b>	Do not discharge into drains or watercourses or onto the ground.
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#### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
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#### 6.4. Reference to other sections

<b>Reference to other sections</b>	For personal protection, see Section 8. For waste disposal, see Section 13.
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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

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**Usage precautions** Wear protective clothing as described in Section 8 of this safety data sheet. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

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

**Storage precautions** Store in closed original container at temperatures between 5°C and 30°C. Keep out of the reach of children.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### (2-Methoxymethylethoxy)propanol

Long-term exposure limit (8-hour TWA): WEL 50 ppm 308 mg/m<sup>3</sup>  
Sk

#### Heptan-2-one

Long-term exposure limit (8-hour TWA): WEL 50 ppm 237 mg/m<sup>3</sup>  
Short-term exposure limit (15-minute): WEL 100 ppm 475 mg/m<sup>3</sup>  
Sk

WEL = Workplace Exposure Limit.  
Sk = Can be absorbed through the skin.

### 8.2. Exposure controls

#### Protective equipment



**Appropriate engineering controls** Provide adequate ventilation.

**Eye/face protection** Side shield safety glasses are recommended when handling this product.

**Hand protection** Wear protective gloves. It is recommended that gloves are made of the following material: Nitrile rubber. Protective gloves should be inspected for wear before use and replaced regularly in accordance with the manufacturers specifications.

**Respiratory protection** For situations where recommended exposure limits may be exceeded or where there is a risk of inhalation of fine spray mists, a suitable respirator face mask is recommended.

## SECTION 9: Physical and chemical properties

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

**Appearance** Clear liquid.

**Colour** Yellow.

**Odour** Lemon. Floral.

**pH** pH (concentrated solution): 8 pH (diluted solution): 8

**Initial boiling point and range** 100°C

**Flash point** Not determined.

**Evaporation rate** Not determined.

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<b>Upper/lower flammability or explosive limits</b>	Not applicable.
<b>Vapour pressure</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Relative density</b>	1
<b>Solubility(ies)</b>	Soluble in water.
<b>Partition coefficient</b>	Not determined.
<b>Viscosity</b>	Not determined.
<b>Explosive properties</b>	Not applicable.
<b>Oxidising properties</b>	Not applicable.

### 9.2. Other information

**Other information** None.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not determined.

### 10.4. Conditions to avoid

**Conditions to avoid** Store in closed original container at temperatures between 5°C and 30°C. Protect from freezing and direct sunlight.

### 10.5. Incompatible materials

**Materials to avoid** Strong acids. Strong oxidising agents.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition or combustion products may include the following substances: Oxides of carbon.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects** Ingestion may cause: Nausea, vomiting. Gastrointestinal symptoms, including upset stomach. Deliberate excessive inhalation may cause headache, dizziness and breathing irritation.

### Acute toxicity - oral

**ATE oral (mg/kg)** 6,250.0

### Skin corrosion/irritation

**Skin corrosion/irritation** Prolonged or repeated exposure may cause the following adverse effects: skin irritation and dermatitis.

### Serious eye damage/irritation

**Serious eye damage/irritation** May irritate eyes. May cause serious eye damage.

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### Skin sensitisation

**Skin sensitisation** Contains Citral Limonene Linalool P-mentha-1,4(8)-diene Citronellal Geraniol Cinnamal Citronellol

### Germ cell mutagenicity

**Genotoxicity - in vivo** No effects expected based upon current data.

### Carcinogenicity

**Carcinogenicity** No effects expected based upon current data.

### Reproductive toxicity

**Reproductive toxicity - fertility** No effects expected based upon current data.

## SECTION 12: Ecological information

### 12.1. Toxicity

**Toxicity** Harmful to aquatic life with long lasting effects.

### 12.2. Persistence and degradability

**Persistence and degradability** The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** Not known.

**Partition coefficient** Not determined.

### 12.4. Mobility in soil

**Mobility** The product is soluble in water.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Empty containers should be rinsed with water then crushed and disposed of at legal waste disposal site.

## SECTION 14: Transport information

### 14.1. UN number

Not classified for transportation.

### 14.2. UN proper shipping name

None.

### 14.3. Transport hazard class(es)

**ADR/RID class** -

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**IMDG class** -

### 14.4. Packing group

None.

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

None.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

**Annex II of MARPOL 73/78  
and the IBC Code**

## SECTION 15: Regulatory information

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

**National regulations** REACH Regulation UK SI 2019/758, as amended, and UK SI 2020/1577.  
GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567.  
Detergents (Amendment) (EU Exit) Regulations UK SI 2020/1617.  
The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (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) (as amended).  
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 (as amended).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

**General information** Telephone 020 8974 1515

**Revision comments** NOTE: Lines within the margin indicate significant changes from the previous revision.

**Revision date** 16/12/2020

**Revision** 6

**Supersedes date** 27/07/2016

**Please note:** Where abbreviations have been used elsewhere the full text has been written below, for the classification of the product please refer to section 2.

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**Hazard statements in full**

H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H336 May cause drowsiness or dizziness.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.  
EUH208 Contains Citral, d-Limonene, Citronellal, P-Mentha-1,4(8)-diene. May produce an allergic reaction.

**Signature**

Aaron Saunders

For additional information on safety, training and use of this product, contact the supplier. This product is intended for professional use only. The information given is intended to be of assistance to users but is without guarantee. Variations can occur in application and users are advised to conduct their own tests. Suggestions for use neither give nor imply any guarantee as to the intended use.