



## SAFETY DATA SHEET CITRUS GEL

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

#### 1.1. Product identifier

Product name                      CITRUS GEL  
Product No.                        E840

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

**Identified uses**                      A citrus based liquid gel spot remover for use on carpets, fabrics and most surfaces. Citrus Gel will safely and effectively remove oils, grease, tar and gum and is gelled to help prevent damage to latex carpet backings.

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

**Supplier**                                Prochem Europe Ltd  
Oakcroft Road  
Chessington  
Surrey  
KT9 1RH  
Telephone: 020 8974 1515  
Fax: 020 8974 1511  
www.prochem.co.uk  
sales@prochem.co.uk

#### 1.4. Emergency telephone number

020 8974 1515 (office hours 8am to 5pm Monday to Friday)    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.

### SECTION 2: HAZARDS IDENTIFICATION

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

**Classification (1999/45/EEC)**                      R52/53, R66.

##### Human health

May cause minor irritation on eye contact. Prolonged skin contact may cause redness, irritation and dry skin. Deliberate excessive inhalation may cause headache, dizziness and breathing irritation. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. Risk of chemical pneumonia after aspiration.

##### Environment

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Inherently biodegradable. The product contains potentially bioaccumulating substances.

#### 2.2. Label elements

##### Risk Phrases

R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66	Repeated exposure may cause skin dryness or cracking.

##### Safety Phrases

S2	Keep out of the reach of children.
S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S35	This material and its container must be disposed of in a safe way.
S37	Wear suitable gloves.
P14	Contains CITRAL,d-LIMONENE. May produce an allergic reaction.

#### 2.3. Other hazards

See section 8 for details of exposure limits.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

# CITRUS GEL

## 3.2. Mixtures

<b>HYDROCARBONS, C11-C12, ISOALKANES, &lt;2% AROMATICS</b>	<b>30-100%</b>
<b>CAS-No.: 64741-65-7</b>	<b>EC No.: 918-167-1</b>
<b>Registration Number: 01-2119472146-39-0001</b>	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 Asp. Tox. 1 - H304 Aquatic Chronic 4 - H413	Classification (67/548/EEC) Xn;R65. R53,R66.
<b>OXO alcohol, C12-15 with 9MEO</b>	<b>0.1-1%</b>
<b>CAS-No.: 68131-39-5</b>	<b>EC No.:</b>
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	Classification (67/548/EEC) Xn;R22. Xi;R41. N;R50.
<b>d-LIMONENE</b>	<b>0.1-1%</b>
<b>CAS-No.: 5989-27-5</b>	<b>EC No.: 227-813-5</b>
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) R10 R43 Xi;R38 N;R50/53
<b>CITRAL</b>	<b>0.1-1%</b>
<b>CAS-No.: 5392-40-5</b>	<b>EC No.: 226-394-6</b>
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Skin Sens. 1 - H317	Classification (67/548/EEC) R43 Xi;R38
<b>2-AMINOETHANOL</b>	<b>0.001-0.01%</b>
<b>CAS-No.: 141-43-5</b>	<b>EC No.: 205-483-3</b>
Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Corr. 1B - H314 STOT SE 3 - H335	Classification (67/548/EEC) C;R34 Xn;R20/21/22
<b>CYCLOHEXANE</b>	<b>0.001-0.01%</b>
<b>CAS-No.: 110-82-7</b>	<b>EC No.: 203-806-2</b>

# CITRUS GEL

Classification (EC 1272/2008)	Classification (67/548/EEC)
Flam. Liq. 2 - H225	F;R11
Skin Irrit. 2 - H315	Xn;R65
STOT SE 3 - H336	Xi;R38
Asp. Tox. 1 - H304	R67
Aquatic Acute 1 - H400	N;R50/53
Aquatic Chronic 1 - H410	

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

#### **Inhalation**

Remove victim immediately from source of exposure. Move into fresh air and keep at rest. For breathing difficulties oxygen may be necessary. Get medical attention.

#### **Ingestion**

Get medical attention immediately! Immediately rinse mouth and drink plenty of water (200-300 ml). Do not give victim anything to drink if they are unconscious. DO NOT INDUCE VOMITING!

#### **Skin contact**

Wash skin with soap and water. Get medical attention if any discomfort continues.

#### **Eye contact**

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention.

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

#### **Ingestion**

Risk of chemical pneumonia after aspiration.

#### **Skin contact**

Acts as a defatting agent on skin. May cause cracking of skin, and eczema.

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

If swallowed, especially in large quantities: Get medical attention immediately!

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### **Extinguishing media**

Use fire-extinguishing media appropriate for surrounding materials. Extinguish with foam, carbon dioxide, dry powder or water fog. 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**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. When heated, vapours/gases hazardous to health may be formed.

#### **Unusual Fire & Explosion Hazards**

This product is not flammable. The product contains organic solvents.

### 5.3. Advice for firefighters

#### **Protective equipment for fire-fighters**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate general and local exhaust ventilation. Remove sources of ignition. Avoid contact with: Liquid

### 6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground.

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

Absorb in vermiculite, dry sand or earth and place into containers. Do not use sawdust or other combustible material. Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority. Flush contaminated area with plenty of water.

### 6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

# CITRUS GEL

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

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

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

Store at moderate temperatures in dry, well ventilated area. Store in closed original container at temperatures between 5°C and 30°C. Avoid heat, flames and other sources of ignition. Static electricity and formation of sparks must be prevented. Keep in original container. Keep out of reach of children.

### 7.3. 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

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
2-AMINOETHANOL	WEL	1 ppm	3 mg/m <sup>3</sup>	3 ppm	8 mg/m <sup>3</sup>	Sk
CYCLOHEXANE	WEL	100 ppm	350 mg/m <sup>3</sup>	300 ppm	1050 mg/m <sup>3</sup>	
HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS	SUP	150 ppm	1000 mg/m <sup>3</sup>			

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

### 8.2. Exposure controls

#### Protective equipment



#### Engineering measures

Provide adequate ventilation.

#### Respiratory equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

#### Hand protection

Solvent resistant nitrile gloves are recommended. Protective gloves should be inspected for wear before use and replaced regularly in accordance with the manufacturers specifications.

#### Eye protection

Side shield safety glasses are recommended when handling this product.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance	Viscous
Colour	White.
Odour	Orange.
Solubility	Slightly soluble in water.
Initial boiling point and boiling range	
Not determined.	
Relative density	0.852
Vapour density (air=1)	
Not determined.	
Vapour pressure	
Not determined.	
Evaporation rate	
Not determined.	
pH-Value, Conc. Solution	5

# CITRUS GEL

## pH-Value, Diluted Solution

Not applicable.

## Odour Threshold, Lower

Not determined.

## Flash point

82°C PM Closed cup.

## Flammability Limit - Lower(%)

Not determined.

## Partition Coefficient (N-Octanol/Water)

Not determined.

## Explosive properties

Not determined.

## Oxidising properties

Not applicable.

## 9.2. Other information

None.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No specific reactivity hazards associated with this product.

### 10.2. Chemical stability

Stable under normal temperature conditions.

### 10.3. Possibility of hazardous reactions

Not determined.

### 10.4. Conditions to avoid

Protect against direct sunlight. Avoid heat, flames and other sources of ignition. Take precautionary measures against static discharges.

### 10.5. Incompatible materials

#### Materials To Avoid

Strong acids. Alkalis. Oxidising materials.

### 10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. High concentrations of vapour at high temperatures may create a respiratory hazard.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Toxicological information

Deliberate excessive inhalation may cause headache, dizziness and breathing irritation. Ingestion may cause: Systemic Effects Nausea, vomiting. Diarrhoea. Risk of chemical pneumonia after aspiration.

#### Skin Corrosion/Irritation:

Prolonged contact may cause redness, irritation and dry skin. Repeated exposure may cause skin dryness or cracking.

#### Serious eye damage/irritation:

May cause minor irritation on eye contact.

#### Respiratory or skin sensitisation:

Contains Limonene Citral Hexyl cinnamal Linalool Geraniol

#### Germ cell mutagenicity:

No effects expected based upon current data.

#### Carcinogenicity:

No effects expected based upon current data.

#### Reproductive Toxicity:

No effects expected based upon current data.

#### Toxicological information on ingredients.

## CITRUS GEL

### HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS (CAS: 64741-65-7)

#### Acute toxicity:

##### **Acute Toxicity (Oral LD50)**

> 5000 mg/kg Rat

##### **Acute Toxicity (Dermal LD50)**

> 5000 mg/kg Rabbit

### OXO alcohol, C12-15 with 9MEO (CAS: 68131-39-5)

#### Acute toxicity:

##### **Acute Toxicity (Oral LD50)**

> 2000 mg/kg Rat

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Ecological information on ingredients.

### HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS (CAS: 64741-65-7)

#### **Acute Toxicity - Fish**

LC50 > 100 mg/l

#### **Acute Toxicity - Aquatic Invertebrates**

EC50 > 100 mg/l

#### **Acute Toxicity - Aquatic Plants**

IC50 > 100 mg/l

#### **Chronic Toxicity - Fish Early life Stage**

NOEC < 1.0 mg/l

#### **Chronic Toxicity - Aquatic Invertebrates**

NOEC < 10 mg/l

### OXO alcohol, C12-15 with 9MEO (CAS: 68131-39-5)

#### **Acute Toxicity - Fish**

LC50 96 hours < 1 mg/l

#### **Acute Toxicity - Aquatic Plants**

EC50 72 hours < 1 mg/l

### 12.2. Persistence and degradability

#### **Degradability**

Inherently biodegradable The product is degraded completely by photochemical oxidation. The surfactant(s) contained in this preparation 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**

May accumulate in soil and water systems.

#### **Partition coefficient**

Not determined.

#### Ecological information on ingredients.

### HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS (CAS: 64741-65-7)

#### **Partition coefficient**

6.7-7.2

### 12.4. Mobility in soil

#### **Mobility:**

The product is insoluble in water and will spread on the water surface. The product contains organic solvents which will evaporate easily from all surfaces.

### 12.5. Results of PBT and vPvB assessment

# CITRUS GEL

This product does not contain any PBT or vPvB substances.

## **12.6. Other adverse effects**

None known.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

### **13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements. Do not discharge into drains, water courses or onto the ground.

## **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)**

None.

**ADR/RID/ADN Class** -

**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 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**

#### **Uk Regulatory References**

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. Chemicals (Hazard Information & Packaging) Regulations.

#### **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. 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.

### **15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

## **SECTION 16: OTHER INFORMATION**

**Revision Date** 26/06/2012

**Revision** 1

# CITRUS GEL

## Risk Phrases In Full

R34	Causes burns.
R10	Flammable.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R22	Harmful if swallowed.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R11	Highly flammable
R37	Irritating to respiratory system.
R38	Irritating to skin.
R53	May cause long-term adverse effects in the aquatic environment.
R43	May cause sensitisation by skin contact.
R66	Repeated exposure may cause skin dryness or cracking.
R41	Risk of serious damage to eyes.
R67	Vapours may cause drowsiness and dizziness.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R50	Very toxic to aquatic organisms.

## Hazard Statements In Full

H318	Causes serious eye damage.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H226	Flammable liquid and vapour.
H332	Harmful if inhaled.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H412	Harmful to aquatic life with long lasting effects.
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
H413	May cause long lasting harmful effects to aquatic life.
H335	May cause respiratory irritation.
EUH066	Repeated exposure may cause skin dryness or cracking.
H410	Very toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.

## Disclaimer

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.