

The logo for Prochem, featuring the word "PROCHEM" in a bold, white, sans-serif font with a registered trademark symbol, set against a blue rectangular background.

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 number 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 www.prochem.co.uk
Prochem Europe Ltd
Oakcroft Road
Chessington
Surrey
KT9 1RH

Telephone: 020 8974 1515
Fax: 020 8974 1511
sales@prochem.co.uk

1.4. Emergency telephone number

Emergency telephone 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

Physical hazards

Not Classified

Health hazards

Elicitation - EUH208

Environmental hazards

Aquatic Chronic 3 - H412

Classification (67/548/EEC or 1999/45/EC)

R52/53,R66.

Human health

May be slightly irritating to eyes. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. Deliberate excessive inhalation may cause headache, dizziness and breathing irritation. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

Environmental

Harmful to aquatic life with long lasting effects. Inherently biodegradable. The product contains potentially bioaccumulating

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substances.

2.2. Label elements

Hazard statements

EUH208 Contains Dipentene, Citral, d-Limonene. May produce an allergic reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.
P273 Avoid release to the environment.
P280 Wear protective gloves.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313 Get medical advice/attention.
P501 Dispose of contents / container in accordance with local / regional / national / international regulations.

Supplemental label information

EUH066 Repeated exposure may cause skin dryness or cracking.

Detergent labelling

≥ 30% aliphatic hydrocarbons, < 5% non-ionic surfactants, < 5% perfumes, Contains d-Limonene, Citral, Hexyl cinnamal, Linalool, Geraniol

2.3. Other hazards

See section 8 for details of exposure limits.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics CAS number: 64741-65-7 EC number: 918-167-1 REACH registration number: 01-2119472146-39-0001	60-100%
Classification Flam. Liq. 3 - H226 Asp. Tox. 1 - H304 Aquatic Chronic 4 - H413	Classification (67/548/EEC or 1999/45/EC) Xn;R65. R53,R66.
C12-15 alcohol ethoxylate with 9MEO CAS number: 68131-39-5 EC number: — M factor (Acute) = 1	<1%
Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	Classification (67/548/EEC or 1999/45/EC) Xn;R22. Xi;R41. N;R50.
d-Limonene CAS number: 5989-27-5 EC number: 227-813-5 M factor (Acute) = 1 M factor (Chronic) = 1	<1%
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC or 1999/45/EC) R10 R43 Xi;R38 N;R50/53

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Citral	<1%
CAS number: 5392-40-5 EC number: 226-394-6	
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317	Classification (67/548/EEC or 1999/45/EC) R43 Xi;R38
Dipentene	<1%
CAS number: 138-86-3 EC number: 205-341-0 M factor (Chronic) = 1	
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Chronic 1 - H410	Classification (67/548/EEC or 1999/45/EC) R10 R43 Xi;R38 N;R50/53
2-Aminoethanol	<1%
CAS number: 141-43-5 EC number: 205-483-3	
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335 Aquatic Chronic 3 - H412	Classification (67/548/EEC or 1999/45/EC) C;R34 Xn;R20/21/22
Cyclohexane	<1%
CAS number: 110-82-7 EC number: 203-806-2 M factor (Acute) = 1 M factor (Chronic) = 1	
Classification Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304 STOT SE 3 - H336 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC or 1999/45/EC) F;R11 Xn;R65 Xi;R38 R67 N;R50/53

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 affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. Get medical attention.

Ingestion

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Get medical attention immediately. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Do not induce vomiting.

Skin contact

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

Eye contact

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

Ingestion

Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

Skin contact

Product has a defatting effect on skin. May cause allergic contact eczema. Dryness and/or cracking.

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

Notes for the doctor

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use fire-extinguishing media suitable for the surrounding fire. 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

Specific hazards

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

Hazardous combustion products

Thermal decomposition or combustion products may include the following substances: Oxides of carbon. When heated, vapours/gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

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 skin, eyes and clothing.

6.2. Environmental precautions

Environmental precautions

Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

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

6.4. Reference to other sections

Reference to other sections

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

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 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 only in the original container. 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

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics

Long-term exposure limit (8-hour TWA): SUP 150 ppm 1000 mg/m³
SUP = Supplier's recommendation.

2-Aminoethanol

Long-term exposure limit (8-hour TWA): WEL 1 ppm 2.5 mg/m³
Short-term exposure limit (15-minute): WEL 3 ppm 7.6 mg/m³
Sk

Cyclohexane

Long-term exposure limit (8-hour TWA): WEL 100 ppm 350 mg/m³
Short-term exposure limit (15-minute): WEL 300 ppm 1050 mg/m³

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

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

Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

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Appearance

Viscous liquid.

Colour

White.

Odour

Citrus.

Odour threshold

Not determined.

pH

pH (concentrated solution): 5

Initial boiling point and range

Not determined.

Flash point

82°C PMCC (Pensky-Martens closed cup).

Evaporation rate

Not determined.

Upper/lower flammability or explosive limits

Not determined.

Vapour pressure

Not determined.

Vapour density

Not determined.

Relative density

0.852

Solubility(ies)

Slightly soluble in water.

Partition coefficient

Not determined.

Explosive properties

Not determined.

Oxidising properties

Not applicable.

9.2. Other information**Other information**

None.

SECTION 10: Stability and reactivity**10.1. 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

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.

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10.5. Incompatible materials

Materials to avoid

Strong acids. Alkalis. Oxidising materials.

10.6. Hazardous decomposition products

Thermal decomposition or combustion products may include the following substances: Oxides of carbon. High concentrations of vapour at high temperatures may create a respiratory hazard.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects

Deliberate excessive inhalation may cause headache, dizziness and breathing irritation. Ingestion may cause: systemic effects Nausea, vomiting. Diarrhoea. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

Skin corrosion/irritation

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 be slightly irritating to eyes.

Skin sensitisation

Contains Limonene Citral Hexyl cinnamal Linalool Geraniol

Germ cell mutagenicity

Genotoxicity - in vivo

No effects expected based upon current data.

Carcinogenicity

No effects expected based upon current data.

Reproductive toxicity

Reproductive toxicity - fertility

No effects expected based upon current data.

Toxicological information on ingredients.

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics

Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg)

5,000.0

Species

Rat

ATE oral (mg/kg)

5,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg)

5000.0

Species

Rabbit

ATE dermal (mg/kg)

5000.0

SECTION 12: Ecological Information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

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Ecological information on ingredients.

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics

Acute toxicity - fish

LC₅₀, : >100 mg/l,

Acute toxicity - aquatic invertebrates

EC₅₀, : > 100 mg/l,

Acute toxicity - aquatic plants

IC₅₀, : > 100 mg/l,

Acute toxicity - microorganisms

LC₅₀, : >100 mg/l,

Chronic toxicity - fish early life stage

Not available.

Chronic toxicity - aquatic invertebrates

NOEC, : >1.0 - <10 mg/l, Freshwater invertebrates

12.2. Persistence and degradability

Persistence and degradability

Inherently biodegradable. The product is degraded completely by photochemical oxidation. 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

May accumulate in soil and water systems.

Partition coefficient

Not determined.

Ecological information on ingredients.

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics

Partition coefficient

: 6.7-7.2

12.4. Mobility in soil

Mobility

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

Ecological information on ingredients.

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics

Surface tension

23.5 mN/m @ 20°C

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. 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. Do not discharge into drains or watercourses or onto the ground.

CITRUS GEL**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 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****National regulations**

The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

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

Revision date 04/12/2014

Revision 2

Supersedes date 26/06/2012

Risk phrases in full

CITRUS GEL

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

Hazard statements in full

- EUH208 Contains Dipentene, Citral, d-Limonene. May produce an allergic reaction.

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.