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 (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 Not Classified

Environmental hazards Aquatic Chronic 3 - H412

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 substances.

2.2. Label elements

CITRUS GEL

Hazard statements	EUH208 Contains d-Limonene, Dipentene, Citral. 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, 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 **60-100%**

CAS number: 64741-65-7 | EC number: 918-167-1 | REACH registration number: 01-2119472146-39-0001

Classification
Flam. Liq. 3 - H226
Asp. Tox. 1 - H304
Aquatic Chronic 4 - H413

d-Limonene **<1%**

CAS number: 5989-27-5 | EC number: 227-813-5 | REACH registration number: 01-2119529223-47-XXXX

M factor (Acute) = 1 | M factor (Chronic) = 1

Classification
Flam. Liq. 3 - H226
Skin Irrit. 2 - H315
Skin Sens. 1 - H317
Asp. Tox. 1 - H304
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

CITRUS GEL

Dipentene **<1%**

CAS number: 138-86-3 EC number: 205-341-0

M factor (Acute) = 1 M factor (Chronic) = 1

Classification
Flam. Liq. 3 - H226
Skin Irrit. 2 - H315
Skin Sens. 1 - H317
Asp. Tox. 1 - H304
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

Citral **<1%**

CAS number: 5392-40-5 EC number: 226-394-6

Classification
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
Skin Sens. 1B - H317

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

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
Aquatic Acute 1 - H400
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

CITRUS GEL

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 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.

CITRUS GEL

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

Appearance Viscous liquid.

CITRUS GEL

Colour	White.
Odour	Citrus.
Odour threshold	Not determined.
pH	pH (concentrated solution): 5
Initial boiling point and range	Not determined.
Flash point	82°C 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

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	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

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

CITRUS GEL

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

Serious eye damage/irritation May be slightly irritating to eyes.

Skin sensitisation

Skin sensitisation Contains Limonene Citral Hexyl cinnamal Linalool Geraniol

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.

Toxicological information on ingredients.

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

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	5,000.0
Species	Rat
ATE oral (mg/kg)	5,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	5,000.0
Species	Rabbit
ATE dermal (mg/kg)	5,000.0

SECTION 12: Ecological information

12.1. Toxicity

Toxicity Harmful to aquatic life with long lasting effects.

Ecological information on ingredients.

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

Acute aquatic toxicity

Acute toxicity - fish	LC50, : >100 mg/l,
Acute toxicity - aquatic invertebrates	EC_{50}, : > 100 mg/l,

CITRUS GEL

Acute toxicity - aquatic plants	IC_{50}, : > 100 mg/l,
Acute toxicity - microorganisms	LC_{50}, : >100 mg/l,

Chronic aquatic toxicity

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. (Detergents (Amendment) (EU Exit) Regulations UK SI 2020/1617). 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

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

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

SECTION 14: Transport information

14.1. UN number

CITRUS GEL

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 MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 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).
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.

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 16/12/2020

Revision 4

Supersedes date 27/04/2020

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.

CITRUS GEL

Hazard statements in full

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
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.
H335 May cause respiratory irritation.
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.
H413 May cause long lasting harmful effects to aquatic life.
EUH208 Contains d-Limonene, Dipentene, Citral. May produce an allergic reaction.

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.