SAFETY DATA SHEET
GREASE GUM & TAR REMOVER

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

1.1. Product identifier

<table>
<thead>
<tr>
<th>Product name</th>
<th>GREASE GUM &amp; TAR REMOVER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product number</td>
<td>R123</td>
</tr>
</tbody>
</table>

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

**Identified uses**
Grease, Gum & Tar Remover is a unique spotter based upon gentle solvents and citrus oil extracts. It removes many oil based spots and spills from carpets, fabrics and many hard surfaces. Its gelled formula prevents running and keeps it in contact with the spot for effective removal.

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**

<table>
<thead>
<tr>
<th>Physical hazards</th>
<th>Not Classified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health hazards</td>
<td>Elicitation - EUH208</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>Aquatic Chronic 3 - H412</td>
</tr>
</tbody>
</table>

**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**
GREASE GUM & TAR REMOVER

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

<table>
<thead>
<tr>
<th>Hydrocarbons, C11-C12, isoalkanes, &lt;2% aromatics</th>
<th>60-100%</th>
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<tr>
<td>CAS number: 64741-65-7</td>
<td>EC number: 918-167-1</td>
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**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.

<table>
<thead>
<tr>
<th>C12-15 alcohol ethoxylate with 9MEO</th>
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<tr>
<td>CAS number: 68131-39-5</td>
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<td>M factor (Acute) = 1</td>
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**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.
**Grease Gum & Tar Remover**

<table>
<thead>
<tr>
<th>Compound</th>
<th>Concentration</th>
<th>CAS number</th>
<th>EC number</th>
<th>M factor (Acute)</th>
<th>M factor (Chronic)</th>
<th>Classification</th>
<th>Classification (67/548/EEC or 1999/45/EC)</th>
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<td>227-813-5</td>
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<td>R10 R43 Xi;R38 N;R50/53</td>
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<td>Skin Sens. 1 - H317</td>
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<td>Aquatic Acute 1 - H400</td>
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<td>Aquatic Chronic 1 - H410</td>
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<td>Citral</td>
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<td>5392-40-5</td>
<td>226-394-6</td>
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<td>R43 Xi;R38</td>
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<td>C;R34 Xn;R20/21/22</td>
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<td>Eye Dam. 1 - H318</td>
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<td>Aquatic Chronic 3 - H412</td>
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</table>
SECTION 1: Identification

Grease Gum & Tar Remover

Cyclohexane

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
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

Specific treatments
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. No smoking, sparks, flames or other sources of ignition near spillage. Avoid contact with skin.

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.

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
GREASE GUM & TAR REMOVER

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
Wear protective gloves. 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.

Colour
White.

Odour
Orange.

Odour threshold
Not determined.

pH
pH (concentrated solution): 5

Initial boiling point and range
100°C

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

Evaporation rate
Not determined.

Upper/lower flammability or explosive limits
GREASE GUM & TAR REMOVER

Not determined.

Vapour pressure
Not determined.

Vapour density
Not determined.

Relative density
0.804

Solubility(ies)
Slightly soluble in water.

Partition coefficient
Not determined.

Viscosity
0.0003362 m2/s @ 40°C

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.

10.5. Incompatible materials

Materials to avoid

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
Prolonged contact may cause redness, irritation and dry skin., Repeated exposure may cause skin dryness or cracking.
GREASE GUM & TAR REMOVER

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.

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
GREASE GUM & TAR REMOVER

Persistence and degradability
Inherently biodegradable. The product is degraded completely by photochemical oxidation. The surfactant(s) contained in this product 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.

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 substancemarine pollutant
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

EU legislation

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 21/01/2015
Revision 2
Supersedes date 27/11/2012
Signature Aaron Saunders

Risk phrases in full

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.
GREASE GUM & TAR REMOVER

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.