

**R123****GREASE, GUM & TAR REMOVER****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product Name:** GREASE, GUM & TAR REMOVER**Product Code:** R123**Manufacturer:** Prochem Europe Ltd., Oakcroft Road, Chessington, Surrey KT9 1RH, UK. Telephone No (office hours only): 020 8974 1515 (UK) +44 20 8974 1515 (EC) Chemical Product Manager E, H & S

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**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.**Product Description & Directions For Use:**

Grease, Gum &amp; 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.

Determine spot type. (Check application list on each bottle in the Spot Remover kit to determine the correct spot remover.)

**Pre-test the carpet, fabric or surface in a small inconspicuous area for dye sensitivity, colour fastness, or surface sensitivity to the spotter.**

Sponge or scrape up any surface spot material. Apply Grease, Gum &amp; Tar Remover to the top surface of the spot with nozzle applicator. Avoid over application. Do not allow spotter to contact latex backing of carpet or fabric.

Blot with clean white absorbent towel or scrape gently to remove residues. **Do not rub.**

Repeat steps above as necessary. Rinse area with damp sponge and clear water to remove excess spotter. Brush fabric to align fibres.

**SECTION 2: HAZARDS IDENTIFICATION****Classification:** Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking.**Eye Contact:** Contact with liquid may cause eye irritation.**Skin Contact:** Prolonged or repeated contact may cause dry skin, irritation and/or possible dermatitis.**Inhalation:** Deliberate excessive inhalation may cause headache, dizziness and breathing irritation.**Ingestion:** Ingestion may cause irritation of the digestive tract, nausea and possible systemic effects. Aspiration of material may cause chemical pneumonitis.**Environment:** Not inherently biodegradable. May bioaccumulate. See Ecological Information for further details.**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

SUBSTANCE	RISK (See Section 16)	EINECS NO.	CAS NO.	% W/W (EC RANGE)
Naphtha (petroleum) heavy alkylate	Xn R65 R66 R53	265-067-2	64741-65-7	More than 30%
Perfume	R10 Xn R65 Xi R38 R43 N R50/53	None	None	Less than 5%
Soybean oil, methyl ester	Xi R36/38	267-055-2	67784-80-9	Less than 5%
Ethyl lactate	R10 Xi R41 R37	202-598-0	97-64-3	Less than 5%
Limonene	R10 Xi R38 R43 N R50/53	227-813-5	5989-27-5	Less than 1%
Oxo alcohol C12-15 with 9MEO	Xn R22 Xi R41 N R50	None	68131-39-5	Less than 1%
Pinenes	Xn R65 Xi R43 N R50/53	None	None	Less than 1%
2-Aminoethanol	C R34 Xn R20/21/22	205-483-3	141-43-5	Less than 0.01%

**SECTION 4: FIRST AID MEASURES****Eye Contact:** Flush immediately with water for 15 minutes holding eyelids apart, then seek medical attention.**Skin Contact:** Wash skin with soap and water. Seek medical attention if irritation persists.**Inhalation:** Remove from exposure. Keep warm and at rest. If breathing is difficult, give oxygen and obtain immediate medical assistance.**Ingestion:** Seek immediate medical attention. If injured party is conscious then give two glasses of water to drink. Do not give anything by mouth if patient is unconscious. DO NOT INDUCE VOMITING unless directed to do so by medical personnel.**SECTION 5: FIRE FIGHTING MEASURES****Extinguishing Media:** Use water fog, carbon dioxide, dry powder extinguisher, or other media appropriate for materials actually involved in fire. DO NOT USE WATER JET.**Fire/Explosion Hazards:** Although not classified as flammable, this product contains flammable solvents which may fuel a fire.**Decomposition Products:** High concentrations of vapour at high temperatures may create a respiratory hazard. Exposure to fire may liberate carbon dioxide, carbon monoxide, water and other unidentified thermal decomposition products from this product or its packaging.**Special Protective Equipment:** Self contained breathing apparatus only if large amounts involved in fire.**SECTION 6: ACCIDENTAL RELEASE MEASURES****Personal Protection:** Avoid contact with liquid. Ventilate area and remove all sources of ignition. Wear solvent resistant nitrile butyl rubber gloves.**Containment and Disposal:** Prevent liquid from entering drains or water courses. Contain with inert dry absorbent (such as vermiculite, dry sand or earth). Do not use combustible materials such as sawdust. Transfer to suitable container for disposal at legal waste disposal site. Wash area of spillage with water and detergent.**SECTION 7: HANDLING AND STORAGE****Handling Precautions:** Wear nitrile butyl rubber gloves. Ensure adequate ventilation and eliminate all ignition sources - no smoking.**Storage Precautions:** Store in a cool dry ventilated area away from any source of heat, ignition, static electricity or direct sunlight. Maximum recommended storage temperature is 30°C. Keep out of reach of children. Keep in original container.**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure Limits:** Naphtha (petroleum) heavy alkylate: Occupational exposure limit not assigned by HSE EH/40 or ACGIH. Recommended OEL-LTEL is 150ppm (1000mg/m<sup>3</sup>). 2-Aminoethanol WEL: LTEL (IOELV) TWA 8 hours 1ppm STEL 15 mins 3ppm.

**Environmental Controls:** For additional guidance, contact ENVIROWISE at [www.envirowise.gov.uk](http://www.envirowise.gov.uk) or telephone 0800 585794

**Eye Protection:** Side shield safety glasses or goggles are recommended when handling.

**Protective Clothing:** Standard work clothing and solvent resistant nitrile butyl rubber gloves in case of prolonged skin contact. Protective gloves should be inspected for wear before use and replaced regularly in accordance with manufacturers specifications.

**Respiratory Protection:** Not required in normal use, provided exposure levels are maintained below OEL's.

**Ventilation:** Ensure good air circulation and ventilation in enclosed areas.

**Hygiene:** Wash hands and clothing after use or spill. Do not eat or drink while handling solvent. DO NOT SMOKE IN WORK AREA.

#### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance/Colour/State:** White viscous gel

**Odour:** Orange grapefruit

**pH Concentrate:** 5 **pH Diluted:** Not applicable

**Boiling Point / Range °C:** 100

**Flash Point °C:** 82 **Method:** PM Closed Cup

**Flammability Limit %:** Not determined

**Explosive Properties:** Not determined

**Oxidising Properties:** Not applicable

**Vapour Pressure:** Not determined

**Relative Density (Water = 1):** 0.852

**Solubility:** Partial

**Partition Coefficient (N-octanol / Water):** Not determined

**Viscosity:** Viscous

**Vapour Density:** Not determined

**Evaporation Rate:** Not determined

**% Active:** 100

**% Solids:** Not applicable

#### **SECTION 10: STABILITY AND REACTIVITY**

**Stability:** Stable

**Conditions to Avoid:** Heat, ignition sources, static build-up, direct sunlight.

**Incompatibility (Materials to Avoid):** Strong acids, alkalis and oxidising agents.

**Hazardous Decomposition Products:** High concentrations of vapour at high temperatures may create a respiratory hazard. Exposure to fire may liberate carbon dioxide, carbon monoxide, water and other unidentified thermal decomposition products from this product or its packaging.

#### **SECTION 11: TOXICOLOGICAL INFORMATION**

**Eye Contact:** Liquid and vapour (at higher temperatures and concentrations) may cause transient eye irritation effects.

**Skin Contact:** Prolonged and repeated exposure may cause skin defatting and/or mild dermatitis.

**Inhalation:** Over-exposure to large quantities or deliberate inhalation may produce irritation of respiratory tract, dizziness, nausea, headache and drowsiness due to central nervous system depression.

**Ingestion:** Irritation of digestive tracts, nausea, diarrhoea and possible central nervous system effects. Aspiration into lungs may cause chemical pneumonitis.

#### **Acute and Chronic Effects:**

**Acute Toxicity:** LD50 (oral-rat) >2000mg/kg (Naphtha (petroleum) heavy alkylate)

LD50 (dermal-rat) >2000mg/kg (Naphtha (petroleum) heavy alkylate)

**Corrosivity / Irritation:** Skin, eye and respiratory

**Sensitisation:** This product contains limonene, citral, hexyl cinnamal, linalool, geraniol.

**Repeated Dose Toxicity:** Not established

**Mutagenicity:** None

**Carcinogenicity:** None

**Teratogenicity:** None

#### **SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** This product is classified as Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Mobility:** Solvent will float on water and evaporate slowly. Dissolved material adsorbs strongly to soil and sediment and is

not mobile. Product remaining on soil surface evaporates within one day.

**Persistence and Degradability:** Hydrocarbon solvent is not inherently biodegradable. Oxidises rapidly by photochemical reactions in air. Integrated environmental half-life expected to be 10 - < 100 days. The surfactant(s) contained in this preparation 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. The major packaging materials of polyethylene and fibreboard are recyclable.

**Bioaccumulative Potential:** Has potential to bioaccumulate.

**Other Effects:** None known or no relevant data available for substances in this preparation.

#### **SECTION 13: DISPOSAL CONSIDERATIONS**

Waste cleaning solvent effluent should be disposed of in accordance with regional and national requirements. Do not allow solvent to enter drains. Empty containers should be rinsed with water then crushed and disposed of at legal waste disposal site. Contact local Environment Agency office for waste holder requirements.

#### **SECTION 14: TRANSPORT INFORMATION**

**UN No:** None.

**Classification:** Not classified as hazardous for transport.

**Proper Shipping Name:** None.

**Packing Group:** None.

**Road (ADR):** None.

**Sea (IMDG):** None.

**Air (ICAO / IATA):** None.

**Rail (RID):** None.

#### **SECTION 15: REGULATORY INFORMATION**

**Classification:** See below.

#### **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.

S46 If swallowed, seek medical advice immediately and show this container or label.

The information given has been compiled with reference to the **CHEMICALS (HAZARD INFORMATION AND PACKAGING FOR SUPPLY) REGULATIONS (CHIP 3) 2002** (as amended), the **REGISTRATION, EVALUATION, AUTHORISATION AND RESTRICTION OF CHEMICALS (REACH) REGULATIONS** (as amended), the **CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS (COSHH) 2002** (as amended), **REGULATION (EC) NO. 648/2004 ON DETERGENTS** (as amended) and the **MANAGEMENT OF HEALTH AND SAFETY AT WORK REGULATIONS 1999** (as amended).

This safety data sheet does not constitute the users own assessment of workplace risk as required by other health and safety regulations.

#### **SECTION 16: OTHER INFORMATION**

**Risk Phrases:** R10 Flammable. R20 Harmful by inhalation. R21 Harmful in contact with skin. R22 Harmful if swallowed. R34 Causes burns. R36 Irritating to eyes. 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. 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.

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.

**Revisions:** Replaces SDS R123 Issue / Revision Date 01/11/06  
Revised Sections: 1, 2, 3, 4, 5, 8, 9, 11, 12, 13, 14, 15, 16.