

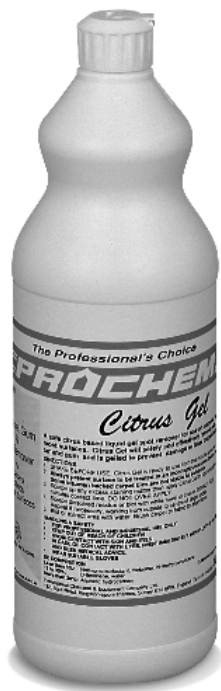


Product Specification &

SAFETY DATA SHEET

CHIP / EC FORMAT 91/155/EEC AMD 93/112/EC AMD 2001/58/EC

**JANGRO BM037-1
CITRUS GEL**



SECTION 1: IDENTIFICATION OF THE PREPARATION AND COMPANY

Product Name: CITRUS GEL **Product Code:** E840
Manufacturer: Prochem Europe Ltd., Oakcroft Road, Chessington, Surrey KT9 1RH, UK. Telephone No: 020 8974 1515 (UK) +44 20 8974 1515 (EC) Chemical Product Manager E, H & S
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:
 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 prevent damage to latex carpet backings.
SHAKE BEFORE USE. Citrus Gel is ready-to-use from the nozzle applicator.
Always pretest surface to be treated in an inconspicuous area before proceeding. Some bitumen backed carpet tiles are not stable to solvents.
 Scrape up any excess staining matter then apply Citrus Gel to spot and allow 2 to 5 minutes contact time. **DO NOT OVER APPLY.**
 Scrape dissolved residue or blot with white towel or tissue. **DO NOT RUB.**
 Repeat if necessary, working from outside to centre of large spots.
 Blot or extract area with water. Brush carpet or fabric to align fibres.

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE	RISK (See Section 16)	EINECS NO.	CAS NO.	% W/W (EC RANGE)
Aliphatic hydrocarbon	Xn R65 R66	649-275-00-4	64741-65-7	More than 30%
Orange terpenes	F R10 Xi R43 R38	None	None	15 to 30%
Water	None assigned	None	None	15 to 30%
N-methyl pyrrolidone	Xi R36/38	212-828-1	872-50-4	Less than 5%
Non-ionic surfactant	Xn R22 Xi R41 N R50	None	68131-39-5	Less than 1%
Aminoethanol	-	-	-	Less than 1%
Carbomer	-	-	-	Less than 1%

SECTION 3: HAZARDS IDENTIFICATION

Classification: Flammable. Irritating to skin. May cause sensitisation by skin contact. Repeated exposure may cause skin dryness or cracking.
Eye Contact: Contact with liquid may cause moderate eye irritation.
Skin Contact: Prolonged or repeated contact will dry the skin and cause irritation and 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. Low hazard to animal and aquatic life. See Ecological Information for further details.

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. **DO NOT** use mouth-to-mouth respiration.
Ingestion: Wash out mouth with water then give warm water to drink. Seek immediate medical attention. Do not give anything by mouth if patient is unconscious. **DO NOT INDUCE VOMITING.**

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media: Product is flammable. 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: Vapours heavier than air. Flash point 53.5°C. Explosive limits for hydrocarbon in air 0.6% - 6% v/v
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 dry absorbent then transfer to suitable container for disposal at legal waste disposal site. Wash area 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: Aliphatic hydrocarbon: Occupational exposure limit not assigned by HSE EH/40 or ACGIH. Suggested OES-LTEL is 300ppm.
N-methyl pyrrolidone OES: TWA 8 hours 25ppm STEL 15 mins 75ppm (Sk)

Environmental Controls: For additional guidance, contact ENVIROWISE at www.envirowise.gov.uk or telephone 0800 585794

Eye Protection: Side shield safety glasses are recommended when for industrial use.

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 OES.

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 citrate

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

Boiling Point / Range °C: 100

Flash Point °C: 53.5 **Method:** PM Closed Cup

Flammability Limit %: Not determined

Explosive Properties: Not determined

Oxidising Properties: Not applicable

Vapour Pressure: Not determined

Relative Density (Water = 1): 83.7

Solubility: Partial

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

Viscosity: Flow time greater than 100 seconds through a 7mm flow cup.

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 defatting and may produce 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) 3914mg/Kg (N-methyl pyrrolidone)

Corrosivity / Irritation: Skin, eye and respiratory

Sensitisation: Contains Orange terpenes which may cause sensitisation by skin contact.

Repeated Dose Toxicity: Not established

Mutagenicity: None

Carcinogenicity: None

Teratogenicity: None

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Contains less than 1% alcohol ethoxylate which is classified as very toxic to aquatic organisms.

Alcohol Ethoxylate Fish EC50 10mg/l

Algae EC50 1mg/l

Daphnia EC50 10mg/l

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 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 transferred to suitable containers and disposed of in accordance with special waste regulations (Special Waste Regulations 1996, Environment Act 1995 and Environmental Protection Act 1990). 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: 3295

Classification: Flammable liquid

Proper Shipping Name: Hydrocarbons, Liquid N.O.S (Solvent Naphtha solution)

Packing Group: III

Road (ADR): Class 3

Sea (IMDG): Class 3

Air (ICAO / IATA): Class 3

Rail (RID): Class 3

SECTION 15: REGULATORY INFORMATION

Classification: F Flammable Xi Irritant

Risk Phrases

R10 Flammable.

R38 Irritating to skin.

R43 May cause sensitisation by skin contact.

R66 Repeated exposure may cause skin dryness or cracking.

Safety Phrases

S2 Keep out of 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.

S37 Wear suitable gloves.

The information given has been compiled with reference to the **CHEMICALS (HAZARD INFORMATION AND PACKAGING FOR SUPPLY) REGULATIONS (CHIP 3) 2002** (as amended), the **CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS (COSHH) 2002** (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 R22 Harmful if swallowed. R36 Irritating to eyes. R38 Irritating to skin. R41 Risk of serious damage to eyes. R43 May cause sensitisation by skin contact. R50 Very toxic to aquatic organisms. 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 E840 Issue / Revision Date 01/09/02 Revised Sections: 2, 8, 11, 12, 14, 15,