



Product Specification &

SAFETY DATA SHEET

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



R144

BLOOD & PROTEIN SPOT REMOVER

SECTION 1: IDENTIFICATION OF THE PREPARATION AND COMPANY

Product Name: BLOOD & PROTEIN SPOT REMOVER **Product Code:** R144
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:

Blood & Protein Spot Remover is a water-based cleaner that removes many food stains, blood and other protein based stains. For best results, treat spots and spills as soon after occurrence as possible.

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

Pre-test carpet or fabric in a small inconspicuous area for dye sensitivity and colour fastness.

Sponge or scrape up any surface spot material.

Apply Blood & Protein Spot Remover directly to spot with nozzle applicator.

Blot with clean white absorbent cloth or paper towel. Do not rub. Deep spots may need light brushing. On larger spots, work from the outside of the spot toward the centre.

Repeat steps 4 & 5 as necessary. Rinse area with damp sponge and clear water to remove excess spotter. Brush fabric to align fibres.

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE	RISK (See Section 16)	EINECS NO.	CAS NO.	% W/W (EC RANGE)
Water	None assigned	None	None	More than 30%
Butyl diglycol	Xi R36	203-961-6	112-34-5	Less than 5%
Ethyl diglycol	Xi R36	203-919-7	111-90-0	Less than 5%
Aminoethanol	-	-	-	Less than 1%
Anionic surfactant	-	-	-	Less than 1%
Anionic surfactant	-	-	-	Less than 1%
Non-ionic surfactant	Xn R22 Xi R41 N R50	None	68131-39-5	Less than 1%
Fragrance (IFRA certified)	-	-	-	Less than 1%
Preservative	-	-	-	Less than 1%

SECTION 3: HAZARDS IDENTIFICATION

Classification: Not classified.

Eye Contact: Contact may cause moderate eye irritation.

Skin Contact: Prolonged or repeated contact may cause mild irritation and/or possible dermatitis.

Inhalation: None expected in normal use.

Ingestion: Deliberate ingestion may produce nausea and irritation due to alkalinity. Possible systemic effects.

Environment: No cumulative effects. Raw materials are biodegradable. See Ecological Information for further details.

SECTION 4: FIRST AID MEASURES

Eye Contact: Flush immediately with water for 10 minutes, then seek medical attention if irritation persists.

Skin Contact: Wash skin with soap and water. Seek medical attention if any skin irritation persists.

Inhalation: Get fresh air and seek medical assistance for any breathing irritation.

Ingestion: If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. If injured party is conscious, give two glasses of water. Seek medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media: Product is not flammable. Use water, carbon dioxide, dry powder extinguisher, or other media appropriate for materials actually involved in fire.

Fire/Explosion Hazards: No explosion hazard.

Decomposition Products: 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: None recommended.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Protection: Protective clothing, nitrile butyl rubber gloves, chemical splash goggles.

Containment and Disposal: Large spills should be treated with dry absorbent and disposed at legal waste disposal site. Small spills can be flushed with water to sewage drain linked to waste treatment facility.

SECTION 7: HANDLING AND STORAGE

Handling Precautions: Wear nitrile butyl rubber gloves and safety glasses when handling concentrate.

Storage Precautions: Avoid extremes of temperature. Keep out of reach of children. Keep in original container.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: Aminoethanol TWA 8 hours 7.6mg/m³ STEL (15mins) 15mg/m³

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

Eye Protection: Not required.

Protective Clothing: Standard work clothing and nitrile butyl rubber gloves. Protective gloves should be inspected for wear before use and replaced regularly in accordance with the manufacturers specifications.

Respiratory Protection: Not required in normal use.

Ventilation: Normal air circulation. Allow adequate ventilation in enclosed areas.

Hygiene: Wash hands and clothing after use or spill. Do not eat or drink when handling chemicals.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Colour/State: Moderate foam colourless liquid
Odour: Mint

pH Concentrate: 10.5 **pH Diluted:** Not applicable

Boiling Point / Range °C: 100

Flash Point °C: None **Method:** Not applicable

Flammability Limit %: Not applicable

Explosive Properties: Not applicable

Oxidising Properties: Not applicable

Vapour Pressure: Not determined

Relative Density (Water = 1): 1.00 **Solubility:** 100%

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

Viscosity: Not determined

Vapour Density: Not determined

Evaporation Rate: Not determined

% Active: 6.5

% Solids: 4

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Extreme heat can refract solvent content.

Incompatibility (Materials to Avoid): Strong oxidising materials.

Hazardous Decomposition Products: 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: Contact with concentrate may produce moderate irritation if not promptly rinsed.

Skin Contact: Possible dermatitis from prolonged or repeated contact. Low skin absorption toxicity.

Inhalation: Excessive exposure may produce respiratory irritation.

Ingestion: Low oral toxicity. Gastro-intestinal irritation. Possible systemic effects from glycol ether.

Acute and Chronic Effects:

Acute Toxicity: LD50 5.6 ml/Kg (Oral-rat) (Ethyl diglycol)

LD50 4.2 ml/Kg (Skin-rabbit) (Ethyl diglycol)

LD50 >5660mg/Kg (Oral-rat) (Butyl diglycol)

Corrosivity / Irritation: Skin, eye and respiratory.

Sensitisation: None known.

Repeated Dose Toxicity: Not established.

Mutagenicity: None.

Carcinogenicity: None.

Teratogenicity: None.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Contains less than 5% Ethyl diglycol.

LC50 Fish 96h >10000mg/l (Ethyl diglycol)

EC50 Daphnia magna 48h >10000mg/l

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

Mobility: Soluble in water.

Persistence and Degradability: The raw material ingredients in this product are biodegradable within the scope of current EC legislation. The major packaging materials of polyethylene and fibreboard are recyclable.

Bioaccumulative Potential: None known.

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

SECTION 13: DISPOSAL CONSIDERATIONS

Waste cleaning effluent should be discharged to a sewage drain, which is linked to a local sewage and waste treatment facility.

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

Not classified as hazardous for supply

Risk Phrases

None

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.

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 **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: R22 Harmful if swallowed. R36 Irritating to eyes. R41 Risk of serious damage to eyes. R50 Very toxic to aquatic organisms.

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 R144 Issue / Revision Date 01/03/04
Revised Sections: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16