



Product Specification &

SAFETY DATA SHEET

CHIP / EC FORMAT (EC) 1907/2006



B175 BROWNING PRESCRIPTION

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: BROWNING PRESCRIPTION **Product Code:** B175
Manufacturer: Prochem Europe Ltd., Oakcroft Road, Chessington, Surrey KT9 1RH, UK. Telephone No (office hours 8am to 5pm, Monday to Friday only): 020 8974 1515 (UK) +44 20 8974 1515 (EC) Chemical Product Manager E, H & S
Website: www.prochem.co.uk Email: sales@prochem.co.uk
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 specially formulated acidic corrective agent for the direct spray treatment of jute cellulosic browning, yellowing, tea, coffee and tannin stains on carpets and fabrics. B175 is particularly useful for the improvement or removal of browning stains on coloured fibres and flooded carpets where an oxidising bleach cannot be used. **Always pretest carpet or fabric for dye stability and texture change before proceeding.**

Do not mix B175 with other cleaning agents.

For direct stain removal, dilute 200ml. B175 per litre of water (1 to 5)
For carpet rotary and upholstery shampoo application, add 100ml. B175 per litre of ready-to-use B105 Fibre Shampoo solution (1 to 10).
Apply to affected area by sprayer, leave for 5 to 15 minutes, then rinse extract with clean water.

For severe stains, dilute B175 with an equal part of water and leave for a longer period before rinsing.

SECTION 2: HAZARDS IDENTIFICATION

Classification: Not classified as hazardous.

Eye Contact: Contact with concentrate may cause eye irritation.

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

Inhalation: None expected. Possible breathing irritation if spray mists are inhaled.

Ingestion: Ingestion of large amounts may cause nausea, irritation and possible internal injury.

Environment: Raw materials are biodegradable. 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)
Citric acid	Xi R36/37/38	201-069-1	5949-29-1	Less than 5%
Glycolic acid	C R34 Xn R22	201-180-5	79-14-1	Less than 5%
Sulphamic acid	Xi R36/38 R52/53	226-218-8	5329-14-6	Less than 5%

SECTION 4: FIRST AID MEASURES

Eye Contact: Flush immediately with water for 15 minutes, then seek medical attention.

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

Inhalation: Get fresh air and seek medical assistance if breathing is difficult.

Ingestion: If small amounts are ingested, drink water and seek immediate medical attention. 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: 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 hazards.

Decomposition Products: Exposure to fire may liberate carbon dioxide, carbon monoxide, organic acids, water and other unidentified thermal decomposition products from this product or its packaging.

Special Protective Equipment: Self-contained breathing apparatus for large amounts involved in fire.

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. Store away from strong oxidising or alkaline products.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: Occupational exposure limits not assigned by HSE EH/40 or ACGIH.

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 handling concentrate or during spray application.

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 normally required. For situations where recommended exposure limits may be exceeded or where there is a risk of inhalation of fine spray mists, a suitable respirator face mask is recommended.

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: Low foam colourless liquid

Odour: Slight acidic

pH Concentrate: 1.5 **pH Diluted:** 2.5

Boiling Point / Range °C: Not determined.

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): 1.02

Solubility: 100%

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

Viscosity: Not determined

Vapour Density: Not determined

Evaporation Rate: Not determined

% Active: 6

% Solids: 5

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Extremes of temperature.

Incompatibility (Materials to Avoid): Strong oxidising or alkaline agents.

Hazardous Decomposition Products: Exposure to fire may liberate carbon dioxide, carbon monoxide, organic acids, water and other unidentified thermal decomposition products from this product or its packaging.

SECTION 11: TOXICOLOGICAL INFORMATION

Eye Contact: Contact with concentrate may cause irritation, redness, tearing and blurred vision.

Skin Contact: Possible irritation and/or dermatitis from prolonged or repeated contact with concentrate or working solution.

Inhalation: Inhalation of mist or vapour may cause temporary respiratory irritation and/or temporary central nervous system effects including dizziness, weakness, fatigue, nausea and headache.

Ingestion: Product is acidic and may cause temporary gastro-intestinal irritation and nausea.

Acute and Chronic Effects:

Acute Toxicity: LD50 1938mg/kg (oral-rat) (glycolic acid)

LC50 4h 3.6mg/l (inhalation-rat) (glycolic acid)

LD50 316mg/kg (oral-rat) (sulphamidic acid)

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% sulphamidic acid which is classified as harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

LC50 96h 440-706mg/l (goldfish) (citric acid)

LD50 96h 164mg/l (fathead minnow) (glycolic acid)

LC50 48h 141mg/l (daphnia) (glycolic acid)

LC50 96h 70.3mg/l (fish) (sulphamidic acid)

Mobility: Soluble in water.

Persistence and Degradability: 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: Not known.

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

SECTION 13: DISPOSAL CONSIDERATIONS

Cleaning waste effluent should be disposed of in accordance with regional and national requirements. 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 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.

S37 Wear suitable gloves.

The information given has been compiled with reference to the **CHEMICALS (HAZARD INFORMATION AND PACKAGING FOR SUPPLY) REGULATIONS (CHIP 4) 2009** (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: R22 Harmful if swallowed. R34 Causes burns R36 Irritating to eyes. R37 Irritating to respiratory system. R38 Irritating to skin. R52 Harmful to aquatic organisms. R53 May cause long-term adverse effects in the aquatic environment. 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 B175 Issue / Revision Date 01/07/05
Revised Sections: 1, 2, 3, 4, 7, 8, 9, 11, 12, 13, 15, 16.