



## SAFETY DATA SHEET BROWNING PRESCRIPTION

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name BROWNING PRESCRIPTION  
Product No. B175

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

**Identified uses** 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. Browning Prescription is particularly useful for the improvement or removal of browning stains on coloured fibres and flooded carpets where an oxidising bleach cannot be used.

#### 1.3. Details of the supplier of the safety data sheet

**Supplier** Prochem Europe Ltd  
Oakcroft Road  
Chessington  
Surrey  
KT9 1RH  
Telephone: 020 8974 1515  
Fax: 020 8974 1511  
www.prochem.co.uk  
sales@prochem.co.uk

#### 1.4. Emergency telephone number

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 (1999/45/EEC)** Not classified.

##### Human health

Splashes in the eyes may cause redness and irritation. Prolonged or repeated exposure may cause: skin irritation and dermatitis. Limited inhalation hazard at normal work temperatures. Spray mists may cause respiratory tract irritation. Ingestion may cause: Gastrointestinal symptoms, including upset stomach, nausea. May cause internal injury.

##### Environment

The product is expected to be biodegradable.

#### 2.2. Label elements

##### Risk Phrases

NC Not classified.

##### Safety Phrases

P13 Safety data sheet available for professional user on request.  
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.

#### 2.3. Other hazards

See section 8 for details of exposure limits.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

# BROWNING PRESCRIPTION

## 3.2. Mixtures

<b>CITRIC ACID MONOHYDRATE</b>		<b>1-5%</b>
<b>CAS-No.: 5949-29-1</b>	<b>EC No.: 201-069-1</b>	
Classification (EC 1272/2008) Eye Irrit. 2 - H319	Classification (67/548/EEC) Xi;R36.	
<b>SULPHAMIC ACID</b>		<b>1-5%</b>
<b>CAS-No.: 5329-14-6</b>	<b>EC No.: 226-218-8</b>	
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Aquatic Chronic 3 - H412	Classification (67/548/EEC) Xi;R36/38 R52/53	

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

Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

#### Ingestion

Do not induce vomiting. Immediately rinse mouth and drink plenty of water (200-300 ml). Do not give victim anything to drink if they are unconscious. Get medical attention.

#### Skin contact

Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

#### Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

### 4.2. Most important symptoms and effects, both acute and delayed

#### Skin contact

Prolonged skin contact may cause redness and irritation.

#### Eye contact

May cause temporary eye irritation.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat Symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### Extinguishing media

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials. Water spray, dry powder or carbon dioxide.

### 5.2. Special hazards arising from the substance or mixture

#### Hazardous combustion products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Acids - organic.

#### Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

### 5.3. Advice for firefighters

#### Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

# BROWNING PRESCRIPTION

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### **6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective clothing as described in Section 8 of this safety data sheet.

### **6.2. Environmental precautions**

Do not discharge into drains, water courses or onto the ground.

### **6.3. Methods and material for containment and cleaning up**

Collect with absorbent, non-combustible material into suitable containers. Dispose of waste and residues in accordance with local authority requirements.

### **6.4. 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**

Wear protective clothing as described in Section 8 of this safety data sheet. Wash hands after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using the product.

### **7.2. Conditions for safe storage, including any incompatibilities**

Keep out of the reach of children. Store in closed original container at temperatures between 5°C and 30°C. Store away from: Oxidising materials. Alkalis.

### **7.3. 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**

#### **Ingredient Comments**

No exposure limits noted for ingredient(s).

### **8.2. Exposure controls**

#### **Protective equipment**



#### **Engineering measures**

Provide adequate ventilation.

#### **Respiratory equipment**

Not required in normal use. 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.

#### **Hand protection**

Nitrile gloves are recommended. Protective gloves should be inspected for wear before use and replaced regularly in accordance with the manufacturers specifications.

#### **Eye protection**

Side shield safety glasses are recommended when handling this product.

#### **Hygiene measures**

Wash hands after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using the product.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### **9.1. Information on basic physical and chemical properties**

**Appearance** Clear liquid.

**Colour** Colourless.

## BROWNING PRESCRIPTION

<b>Odour</b>	Acidic.
<b>Solubility</b>	Soluble in water.
<b>Initial boiling point and boiling range (°C)</b>	100°C
<b>Relative density</b>	1.02
<b>Vapour density (air=1)</b>	
Not determined.	
<b>Vapour pressure</b>	
Not determined.	
<b>Evaporation rate</b>	
Not determined.	
<b>pH-Value, Conc. Solution</b>	1.5
<b>pH-Value, Diluted Solution</b>	2.5
<b>Viscosity</b>	
Not determined.	
<b>Flash point (°C)</b>	
Not applicable.	
<b>Flammability Limit - Lower(%)</b>	
Not applicable.	
<b>Partition Coefficient (N-Octanol/Water)</b>	
Not determined.	
<b>Explosive properties</b>	
Not applicable.	
<b>Oxidising properties</b>	
Not applicable.	

### **9.2. 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**

Stable under normal temperature conditions and recommended use.

### **10.3. Possibility of hazardous reactions**

Not determined.

### **10.4. Conditions to avoid**

Store in closed original container at temperatures between 5°C and 30°C. Protect from freezing and direct sunlight.

### **10.5. Incompatible materials**

#### **Materials To Avoid**

Strong oxidising substances. Alkalis.

### **10.6. Hazardous decomposition products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Acids - organic.

## SECTION 11: TOXICOLOGICAL INFORMATION

### **11.1. Information on toxicological effects**

#### **Acute toxicity:**

Product is acidic and may be mildly corrosive to mucous membranes. Ingestion may cause: irritation nausea Excessive inhalation of spray, mist or vapour may cause temporary respiratory irritation. Vapours may cause headache, fatigue, dizziness and nausea.

#### **Skin Corrosion/Irritation:**

Prolonged or repeated exposure may cause: skin irritation and dermatitis.

# BROWNING PRESCRIPTION

## Serious eye damage/irritation:

Eye contact may cause: Irritation and redness followed by blurred vision. Profuse watering of the eyes.

## Respiratory or skin sensitisation:

None known.

## Germ cell mutagenicity:

No effects expected based upon current data.

## Carcinogenicity:

No effects expected based upon current data.

## Reproductive Toxicity:

No effects expected based upon current data.

### Toxicological information on ingredients.

#### SULPHAMIC ACID (CAS: 5329-14-6)

##### Acute toxicity:

Acute Toxicity (Oral LD50)

1450 mg/kg Rat

#### CITRIC ACID MONOHYDRATE (CAS: 5949-29-1)

##### Acute toxicity:

Acute Toxicity (Oral LD50)

3000 mg/kg Rat

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### Ecological information on ingredients.

#### SULPHAMIC ACID (CAS: 5329-14-6)

LC 50, 96 Hrs, Fish mg/l

70.3

#### CITRIC ACID MONOHYDRATE (CAS: 5949-29-1)

Acute Toxicity - Fish

LC50 96 hours 440-706 mg/l

### 12.2. Persistence and degradability

#### Degradability

The surfactant(s) contained in this preparation complies (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

#### Bioaccumulative potential

Not known.

#### Partition coefficient

Not determined.

### 12.4. Mobility in soil

#### Mobility:

The product is soluble in water.

### 12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

### 12.6. Other adverse effects

None known.

# BROWNING PRESCRIPTION

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Empty containers should be rinsed with water then crushed and disposed of at legal waste disposal site.

## 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)

ADR/RID/ADN Class -

IMDG Class -

### 14.4. Packing group

None.

### 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

### 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

#### **Uk Regulatory References**

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. Chemicals (Hazard Information & Packaging) Regulations.

#### **EU Legislation**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

## SECTION 16: OTHER INFORMATION

#### **General information**

Telephone 020 8974 1515

**Revision Date** 12/07/2013

**Revision** 2

**Supersedes date** 27/11/2012

**Signature** Aaron Saunders

## BROWNING PRESCRIPTION

### Risk Phrases In Full

R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R36/38	Irritating to eyes and skin.
R36	Irritating to eyes.
NC	Not classified.

### Hazard Statements In Full

H319	Causes serious eye irritation.
H315	Causes skin irritation.
H412	Harmful to aquatic life with long lasting effects.

### 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.