



**S789**

# POWER BURST

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

**1.1. Product Identifier:** POWER BURST

**Product Code:** S789

**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](http://www.prochem.co.uk) Email: [sales@prochem.co.uk](mailto: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.

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

A powerful, high performance alkaline detergent pre-spray for pre-cleaning heavily soiled commercial carpet. Ideal for greasy restaurant carpets and traffic lanes where there is a high build up of grease, oil, fats, food and protein soils.

Mix 15ml (1 measure scoop) of Power Burst per litre of hot water (1 to 66) (maximum temperature 65°C).

For injection sprayer, mix 45ml (3 measure scoops) of Power Burst per litre of hot water in the sprayer container.

Always pretest carpet for colour fastness with ready-to-use solution before proceeding.

Apply diluted solution by sprayer then agitate with carpet pile brush.

Allow to react with soil for 5 to 10 minutes then extract with B109 Fibre & Fabric Rinse or Prochem extraction detergent. Do not allow pre-treated areas to dry before extracting. Always rinse with B109 Fibre & Fabric Rinse on Wool and Wool-mix carpets.

**1.3. Details of the supplier of the safety data sheet:**

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](http://www.prochem.co.uk) Email: [sales@prochem.co.uk](mailto:sales@prochem.co.uk)

**1.4. Emergency telephone number:**

020 8974 1515 (UK) +44 20 8974 1515 (office hours 8am to 5pm, Monday to Friday only).

**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/EC): Xi R38 R41.

**Most important adverse effects:**

**Eye Contact:** Contact with concentrate or solution may cause severe eye irritation and possible damage if not promptly rinsed.

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

**Inhalation:** Excessive exposure to powder concentrate dust or solution spray mist may cause respiratory irritation.

**Ingestion:** Ingestion of concentrate may produce nausea and irritation due to alkalinity.

**Environment:** See Ecological Information for further details.

**2.2. Label elements:**



**IRRITANT**

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

For professional and industrial use only.

Keep out of the reach of children.

Do not breathe spray.

Avoid contact with skin and eyes.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After contact with skin, wash immediately with plenty of water.

Wear suitable gloves and eye/face protection.

**2.3. Other hazards:**

See section 8 for details of exposure limits.

## **SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

**3.2. Mixtures:**

SUBSTANCE	RISK (See Section 16)	H Statements (See Section 16)	EINECS NO.	CAS NO.	% W/W (EC RANGE)
Sodium carbonate	Xi R36	Eye Irrit 2 H319	207-838-8	497-19-8	15 to 30%
C9-11 alcohol ethoxylate with 9MEO	Xn R22 Xi R41	Acute Tox 4 H302 Eye Dam 1 H318	None	68439-45-2	5 to 15%
Primary alcohol ethoxylate	Xi R41	Acute Tox 4 H302 Eye Dam 1 H318	None	68439-45-2	5 to 15%

Trisodium orthophosphate	Xi R36/37/38	Skin Irrit 2 H315 Eye Irrit 2 H319 STOT SE 3 H335	231-509-8	7601-54-9	5 to 15%
Disodium metasilicate	C R34 Xi R37	Skin Corr 1B H314 STOT SE 3 H335	229-912-9	6834-92-0	Less than 5%
(2-methoxymethylethoxy)propanol	None (community exposure limit)	Not currently available	252-104-2	34590-94-8	Less than 5%
Sodium xylene sulphonate	Xi R36/37/38	Not currently available	215-090-9	1300-72-7	Less than 5%

#### **SECTION 4: FIRST AID MEASURES**

##### **4.1. Description of first aid measures:**

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

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

**Inhalation:** Get fresh air and seek medical attention if breathing irritation persists.

**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.

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

Contact with concentrate or solution may cause severe eye irritation and possible damage if not promptly rinsed. Ingestion of concentrate may produce nausea and irritation due to alkalinity.

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

In the event of eye contact or ingestion seek immediate medical attention.

#### **SECTION 5: FIRE FIGHTING MEASURES**

##### **5.1. Extinguishing Media:**

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

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

No explosion hazard. During a fire, smoke may contain the original material in addition to toxic and/or irritating compounds. Exposure to fire may liberate carbon dioxide, carbon monoxide, water and other unidentified thermal decomposition products from this product or its packaging.

##### **5.3. Advice for firefighters:**

Self contained breathing apparatus and full protective clothing if large amounts involved in fire.

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Wear protective clothing as described in section 8 of this sds.

##### **6.2. Environmental precautions:**

Raw materials are biodegradable.

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

All spills should be treated with dry absorbent and disposed of at a legal waste disposal site.

##### **6.4. Reference to other sections:**

See sections 8 and 13 for further information.

#### **SECTION 7: HANDLING AND STORAGE**

##### **7.1. Precautions for safe handling:**

Wear nitrile rubber gloves and safety glasses when handling concentrate. Wash hands and clothing after use or spill. Do not eat or drink when handling chemicals.

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

Avoid extremes of temperature. Keep out of the reach of children. Keep in original container.

##### **7.3. Specific end use(s):**

A powerful, high performance alkaline detergent pre-spray for pre-cleaning heavily soiled commercial carpet.

#### **SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

##### **8.1. Control parameters:**

WEL10mg/m<sup>3</sup> inhalable 4mg/m<sup>3</sup> respirable dust EH40.  
Disodium metasilicate (suggested) WEL-STEL 2mg/m<sup>3</sup>.  
(2-methoxymethylethoxy)propanol (IOELV) WEL-LTEL 50ppm (308mg/m<sup>3</sup>) (Sk).

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

**Eye/Face Protection:** Side shield safety glasses.

**Skin Protection:** Overalls and nitrile rubber gloves. Protective gloves should be inspected for wear before use and replaced regularly in accordance with the manufacturers specifications.

**Respiratory Protection:** Half mask respirator fitted with P3 filter.

**Ventilation:** Allow plenty of ventilation.

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

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

**Appearance:** White powder

**Odour:** Floral

**Odour Threshold:** Not determined

**pH Concentrate:** Not applicable **pH Diluted:** 11

**Melting point/freezing point °C:** Not determined

**Initial boiling point and boiling range °C:** Not applicable

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

**Evaporation Rate:** Not determined

**Flammability (solid, gas):** Not flammable

**Upper/lower flammability or explosive limits:** Not applicable

**Vapour Pressure:** Not determined

**Vapour Density:** Not determined

**Relative Density (Water = 1):** 1.0

**Solubility(ies):** Not determined

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

**Auto-ignition temperature:** Not determined

**Decomposition temperature:** Not determined

**Viscosity:** Not applicable

**Explosive Properties:** Not applicable

**Oxidising Properties:** Not applicable

**% Active:** 100

**% Solids:** Not applicable

**9.2. Other Information:**

None.

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

##### **10.1. Reactivity:**

Stable under normal conditions.

##### **10.2. Chemical stability:**

Stable

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

Not determined.

##### **10.4. Conditions to Avoid:**

Extremes of temperature.

##### **10.5. Incompatible materials:**

Strong alkaline or oxidising agents.

##### **10.6. 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**

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

LD50 4090mg/kg (oral-rat) (sodium carbonate)

LD50 200-2000mg/kg (oral-rat) (C9-11 alcohol ethoxylate with 9MEO)

LD50 >2000mg/kg (dermal-rat) (C9-11 alcohol ethoxylate with 9MEO)

LD50 >2000mg/kg (oral-rat) (primary alcohol ethoxylate)

LD50 >2000mg/kg (dermal-rat) (primary alcohol ethoxylate)

LD50 600-1350mg/kg (oral-rat) (disodium metasilicate)

LD50 >3500mg/kg (oral-rat)

[(2-methoxymethylethoxy)propanol]

LD50 >20ml/kg (dermal-rabbit)

[(2-methoxymethylethoxy)propanol]

LD50 7h >500ppm (inhalation-rat)

[(2-methoxymethylethoxy)propanol]

Temporary central nervous system effects including dizziness, weakness, fatigue, nausea and headache may occur from inhalation of powder dust or excessive exposure to spray mists. Ingestion may cause nausea and diarrhoea.

**Irritation:**

Contact with concentrate or solution may produce moderate to severe eye irritation. Risk of tissue damage if not properly rinsed. Prolonged or repeated contact with skin may cause irritation and possible dermatitis. Inhalation may cause respiratory irritation. Ingestion may cause gastrointestinal irritation, product is alkaline and mildly corrosive to mucous membranes.

**Corrosivity:** Product is not classified as corrosive however product is alkaline and mildly corrosive to mucous membranes.

**Sensitisation:** None known.

**Repeated Dose Toxicity:** Not established

**Carcinogenicity:** No effects expected based upon current data.

**Mutagenicity:** No effects expected based upon current data.

**Toxicity for reproduction:** No effects expected based upon current data.

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1. Toxicity:**

EC50 48h 13.4mg/l (daphnia) (C9-11 alcohol ethoxylate with 9MEO)

LC50 96h 23.7mg/l (rainbow trout) (C9-11 alcohol ethoxylate with 9MEO)

IC50 10-100mg/l (algae) (C9-11 alcohol ethoxylate with 9MEO)

EC50 48h 5.1mg/l (daphnia) (primary alcohol ethoxylate)

LC50 96h 11.5mg/l (rainbow trout) (primary alcohol ethoxylate)

IC50 1-10mg/l (algae) (primary alcohol ethoxylate)

LC50 96h 150mg/l (guppy) (trisodium orthophosphate)

EC50 48h 1919mg/l (daphnia)

[(2-methoxymethylethoxy)propanol]

LC50 96h >10000mg/l (goldfish)

[(2-methoxymethylethoxy)propanol]

EC50 96h >969mg/l (green algae)

[(2-methoxymethylethoxy)propanol]

**12.2. 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.

**12.3. Bioaccumulative Potential:**

Does not bioaccumulate.

**12.4. Mobility in soil:**

Soluble in water.

**12.5. Results of PBT and vPvB assessment:**

Report not required.

**12.6. Other adverse effects:**

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

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods:**

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**

**14.1. UN number:** None

**14.2. UN Proper Shipping Name:** None

**14.3. Transport hazard class(es):**

**Road (ADR):** None

**Sea (IMDG):** None

**Rail (RID):** None

**14.4. Packing Group:** None

**14.5. Environmental hazards:** None

**14.6. Special precautions for user:** No special precautions required other than those previously mentioned in this safety data sheet.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:**

Not intended to be carried as bulk.

**SECTION 15: REGULATORY INFORMATION**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:**

The information given has been compiled with reference to the **CHEMICALS (HAZARD INFORMATION AND PACKAGING FOR SUPPLY) REGULATIONS (CHIP 4) 2009** (as amended), **REGULATION (EC) No 1272/2008 on CLASSIFICATION, LABELLING and PACKAGING of substances and mixtures**, 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.

**15.2. Chemical safety assessment**

Not currently available.

**SECTION 16: OTHER INFORMATION**

**Full text of Risk phrases referred to in Section 2 and 3:**

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.

**Full text of Hazard Statements referred to in Section 2 and 3:**

H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation.

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 S789 Issue / Revision Date 24/08/09  
Revised Sections: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16.