SAFETY DATA SHEET
POWER BURST

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name POWER BURST

Product number S789

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

Identified uses 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.

1.3. Details of the supplier of the safety data sheet

Supplier

www.prochem.co.uk
Prochem Europe Ltd
Oakcroft Road
Chessington
Surrey
KT9 1RH
Telephone: 020 8974 1515 (office hours 8am to 5pm Monday to Friday)
Fax: 020 8974 1511
sales@prochem.co.uk

1.4. Emergency telephone number

Emergency telephone 020 8974 1515 (office hours 8am to 5pm Monday to Friday) 24 hr emergency number +44 1235 239670.
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 (EC 1272/2008)

Physical hazards Met. Corr. 1 - H290

Health hazards Skin Corr. 1B - H314 Eye Dam. 1 - H318

Environmental hazards Not Classified

Human health Causes severe skin burns and eye damage. May cause severe eye irritation. May cause possible injury if not promptly rinsed. Excessive exposure to powder concentrate dust or solution spray mist may cause respiratory irritation. Ingestion may cause: nausea irritation May cause chemical burns in mouth and throat.

Environmental The product is not expected to be hazardous to the environment.

Physicochemical May be corrosive to metals.

2.2. Label elements

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Hazard pictograms

Signal word	Danger
Hazard statements	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage.
Precautionary statements	P102 Keep out of reach of children. P260 Do not breathe spray. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P310 Immediately call a POISON CENTER/ doctor.
Contains	Alcohols C9-11, ethoxylated, Alcohols, C9-11, ethoxylated, Disodium metasilicate
Detergent labelling	≥ 30% phosphates, 5 - < 15% non-ionic surfactants, < 5% anionic surfactants, < 5% EDTA and salts thereof, < 5% perfumes

2.3. Other hazards

See section 8 for details of exposure limits.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Sodium carbonate **10-30%**

CAS number: 497-19-8 EC number: 207-838-8 REACH registration number: 01-2119485498-19-XXXX

Classification
Eye Irrit. 2 - H319

Alcohols C9-11, ethoxylated **5-10%**

CAS number: 68439-46-3 EC number: 614-482-0

Classification
Acute Tox. 4 - H302
Eye Dam. 1 - H318

Trisodium orthophosphate **5-10%**

CAS number: 10101-89-0

Classification
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
STOT SE 3 - H335

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Alcohols, C9-11, ethoxylated			**5-10%**
CAS number: 68439-46-3	EC number: 614-482-0		
Classification Eye Dam. 1 - H318			

Disodium metasilicate			**1-5%**
CAS number: 6834-92-0	EC number: 229-912-9	REACH registration number: 01-2119449811-37-XXXX	
Classification Met. Corr. 1 - H290 Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335			

(2-Methoxymethylethoxy)propanol			**1-5%**
CAS number: 34590-94-8	EC number: 252-104-2	REACH registration number: 01-2119450011-60-XXXX	
Substance with a Community workplace exposure limit.			
Classification Not Classified			

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 affected person to fresh air at once. Get medical attention if any discomfort continues. If powder is accidentally inhaled then treat as ingestion. Rinse nose and mouth with water.

Ingestion Rinse mouth thoroughly with water. Give plenty of water to drink. Never give anything by mouth to an unconscious person. Get medical attention. Do not induce vomiting.

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

Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention.

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

Ingestion Ingestion may cause: nausea irritation May cause chemical burns in mouth and throat.

Eye contact Contact with concentrate or solution May cause severe eye irritation. May cause permanent damage if eye is not immediately irrigated.

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

Specific treatments In the event of contact with eyes or ingestion seek immediate medical help.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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Suitable extinguishing media The product is not flammable. Extinguish with the following media: Water spray, dry powder or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Specific hazards No unusual fire or explosion hazards noted.

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Oxides of carbon.

5.3. Advice for firefighters

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up For concentrate: Collect spillage with a shovel and broom, or similar and reuse, if possible. For solution: Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely.

6.4. Reference to other sections

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

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

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Do not store near heat sources or expose to high temperatures. Store in closed original container at temperatures between 5°C and 30°C. Keep out of the reach of children. Store away from the following materials: Metals.

7.3. Specific end use(s)

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

Occupational exposure limits

Long-term exposure limit (8-hour TWA): NUI 4 mg/m3 resp.dust 10 mg/m3 total dust
NUI = Nuisance Dust.

Disodium metasilicate

Short-term exposure limit (15-minute): SUP 2 mg/m³
SUP = Supplier's recommendation.

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Long-term exposure limit (8-hour TWA): WEL 50 ppm 308 mg/m³
Sk

WEL = Workplace Exposure Limit.
Sk = Can be absorbed through the skin.

8.2. Exposure controls

Protective equipment

Appropriate engineering controls	Provide adequate ventilation.
Eye/face protection	Side shield safety glasses are recommended when handling this product.
Hand protection	Wear protective gloves. It is recommended that gloves are made of the following material: Nitrile rubber. Protective gloves should be inspected for wear before use and replaced regularly in accordance with the manufacturers specifications.
Hygiene measures	Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.
Respiratory protection	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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Powder.
Colour	White.
Odour	Floral.
Odour threshold	Not determined.
pH	pH (diluted solution): 11
Initial boiling point and range	Not applicable.
Evaporation rate	Not determined.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	1.0
Solubility(ies)	Soluble in water.
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Viscosity	Not applicable.
Explosive properties	Not applicable.

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Oxidising properties Not applicable.

9.2. Other information

Other information None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not determined.

10.4. Conditions to avoid

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 agents. Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition products Thermal decomposition or combustion products may include the following substances: Oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects Dust may irritate the respiratory system. Possible respiratory irritation by wetting agents in atomised spray form. Vapours may cause headache, fatigue, dizziness and nausea. Ingestion may cause: irritation nausea Diarrhoea. May cause chemical burns in mouth and throat.

Acute toxicity - oral

ATE oral (mg/kg) 7,407.41

Skin corrosion/irritation

Skin corrosion/irritation Causes severe burns.

Serious eye damage/irritation

Serious eye damage/irritation Contact with concentrate or solution May cause severe eye irritation. Risk of serious damage to eyes. May cause possible injury if not promptly rinsed.

Skin sensitisation

Skin sensitisation None known.

Germ cell mutagenicity

Genotoxicity - in vivo No effects expected based upon current data.

Carcinogenicity

Carcinogenicity No effects expected based upon current data.

Reproductive toxicity

Reproductive toxicity - fertility No effects expected based upon current data.

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Toxicological information on ingredients.

Sodium carbonate

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	2,800.0
Species	Rat

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	2,000.0
Species	Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} dust/mist mg/l)	2,300.0
Species	Rat
ATE inhalation (dusts/mists mg/l)	2,300.0

Alcohols C9-11, ethoxylated

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	300.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	2,000.0

Trisodium orthophosphate

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	7,400.0
Species	Rat

Alcohols, C9-11, ethoxylated

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	2,000.0

Disodium metasilicate

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	1,280.0
Species	Rat

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Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	5,135.0
Species	Rat

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	20.0
Species	Rabbit

Sodium xylenesulphonate

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	7,200.0
Species	Rat

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	2,000.0
Species	Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} dust/mist mg/l)	6.41
Species	Rat
ATE inhalation (dusts/mists mg/l)	6.41

SECTION 12: Ecological information

12.1. Toxicity

Ecological information on ingredients.

Alcohols C9-11, ethoxylated

Acute aquatic toxicity

Acute toxicity - fish	LC50, : > 10 mg/l,
Acute toxicity - aquatic invertebrates	EC_{50}, : > 1 mg/l,
Acute toxicity - aquatic plants	IC_{50}, : > 10 mg/l,

Trisodium orthophosphate

Acute aquatic toxicity

Acute toxicity - fish	LC50, 96 hours: 150 mg/l, Poecilia reticulata (Guppy) LC_{50}, 96 hours: >100 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: >100 mg/l, Daphnia magna

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Acute toxicity - aquatic plants EC_{50}, 72 hours: >100 mg/l, Desmodesmus subspicatus

Alcohols, C9-11, ethoxylated

Acute aquatic toxicity

Acute toxicity - fish LC50, : 1-10 mg/l,

Acute toxicity - aquatic invertebrates EC_{50}, : 1-10 mg/l,

Acute toxicity - aquatic plants IC_{50}, : 1-10 mg/l,

Disodium metasilicate

Acute aquatic toxicity

Acute toxicity - fish LC50, 96 hours: 210 mg/l, Brachydanio rerio (Zebra Fish)

Acute toxicity - aquatic invertebrates EC_{50}, 48 hours: 1700 mg/l, Daphnia magna

(2-Methoxymethylethoxy)propanol

Acute aquatic toxicity

Acute toxicity - fish LC_{50}, 96 hours: >10000 mg/l, Fish

Acute toxicity - aquatic invertebrates EC_{50}, 48 hours: 1919 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC_{50}, 72 hours: >969 mg/l, Algae

12.2. Persistence and degradability

Persistence and degradability The surfactant(s) contained in this product 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.

Ecological information on ingredients.

(2-Methoxymethylethoxy)propanol

Chemical oxygen demand 2.02

12.3. Bioaccumulative potential

Bioaccumulative potential The product is not bioaccumulating.

Partition coefficient Not determined.

Ecological information on ingredients.

(2-Methoxymethylethoxy)propanol

Partition coefficient : 1.01

12.4. Mobility in soil

Mobility The product is soluble in water.

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12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. 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

UN No. (ADR/RID) 3262

UN No. (IMDG) 3262

14.2. UN proper shipping name

Corrosive solid, basic, inorganic, N.O.S. (contains disodium trioxosilicate)

14.3. Transport hazard class(es)

ADR/RID class 8

IMDG class 8

14.4. Packing group

ADR/RID packing group III

IMDG packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

Supplied in accordance with "Limited Quantity" provisions.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

National regulations REACH Regulation UK SI 2019/758, as amended, and UK SI 2020/1577.
GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567.
Detergents (Amendment) (EU Exit) Regulations UK SI 2020/1617.
The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).

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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) (as amended).
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 (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information Telephone 020 8974 1515

Revision comments NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date 07/02/2022

Revision 5

Supersedes date 20/09/2016

Hazard statements in full H290 May be corrosive to metals.
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.

Signature Aaron Saunders

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.