



SAFETY DATA SHEET POWERCLEAN

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

1.1. Product identifier

Product name POWERCLEAN

Product number D488

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

Identified uses A highly concentrated alkaline cleaner designed for many different types of cleaning jobs, ranging from the cleaning of small appliances to removal of grease from floors and industrial machinery. Powerclean is suitable for cleaning concrete, linoleum, ceramic tiles, painted walls, restaurant kitchen floors, vinyl surfaces, oven hoods and any washable surface subject to pre-testing.

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
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) 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

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 aggravate an existing condition. Inhalation may cause: Irritation of nose, throat and airway. Ingestion may cause: Nausea, vomiting. irritation of mouth and throat. systemic effects May cause chemical burns in mouth and throat.

Environmental The product is expected to be biodegradable.

Physicochemical May be corrosive to metals.

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2.2. Label elements

Pictogram



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.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P390 Absorb spillage to prevent material damage.

Contains

Alcohols, C9-11, ethoxylated, Trisodium orthophosphate, Disodium metasilicate

Detergent labelling

< 5% anionic surfactants, < 5% non-ionic surfactants, < 5% perfumes, < 5% phosphates, Contains Hexyl cinnamal, Benzyl benzoate

2.3. Other hazards

See section 8 for details of exposure limits.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| | | |
|--|----------------------|--|
| (2-Methoxymethylethoxy)propanol 5-10% | | |
| 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 | | |
| Alcohols, C9-11, ethoxylated 1-5% | | |
| CAS number: 68439-46-3 | EC number: 614-482-0 | |
| Classification | | |
| Eye Dam. 1 - H318 | | |

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| | |
|---------------------------------|-------------|
| Trisodium orthophosphate | 1-5% |
| CAS number: 10101-89-0 | |

Classification

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

| | |
|------------------------------|-------------|
| 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

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

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|---------------------|--|
| Skin contact | Causes severe burns. Defatting, drying and cracking of skin. |
| Eye contact | Causes serious eye damage. |

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

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| Specific treatments | Treat symptomatically. If liquid has entered the eyes, proceed as follows. Rinse immediately with plenty of water. If swallowed: Get medical attention. |
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SECTION 5: Firefighting measures

5.1. Extinguishing media

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| Suitable extinguishing media | The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Water spray, dry powder or carbon dioxide. |
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5.2. Special hazards arising from the substance or mixture

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| 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

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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 Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

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 Store in closed original container at temperatures between 5°C and 30°C. Keep out of the reach of children.

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

(2-Methoxymethylethoxy)propanol

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

Sk

Disodium metasilicate

Short-term exposure limit (15-minute): SUP 2 mg/m³

SUP = Supplier's recommendation.

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

8.2. Exposure controls

Protective equipment



Appropriate engineering controls Provide adequate ventilation.

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| Eye/face protection | Side shield safety glasses are recommended when handling concentrate or during spray application. |
| 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 | 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 | Clear liquid. |
| Colour | Dark. Blue. |
| Odour | Pine. Mint. |
| Odour threshold | Not determined. |
| pH | pH (concentrated solution): 13 pH (diluted solution): 12 |
| Melting point | Not determined. |
| Initial boiling point and range | 100°C |
| Flash point | Not applicable. |
| Evaporation rate | Not determined. |
| Upper/lower flammability or explosive limits | Not applicable. |
| Vapour pressure | Not determined. |
| Vapour density | Not determined. |
| Relative density | 1.05 |
| Solubility(ies) | Soluble in water. |
| Partition coefficient | Not determined. |
| Auto-ignition temperature | Not determined. |
| Viscosity | Not determined. |
| Explosive properties | Not applicable. |
| Oxidising properties | Not applicable. |

9.2. Other information

| | |
|--------------------------|-------|
| Other information | None. |
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SECTION 10: Stability and reactivity

10.1. Reactivity

| | |
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| Reactivity | There are no known reactivity hazards associated with this product. |
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10.2. Chemical stability

| | |
|------------------|---|
| Stability | Stable at normal ambient temperatures and when used as recommended. |
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not determined.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Materials to avoid Strong acids. Oxidising materials.

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 Ingestion may cause: systemic effects Nausea, vomiting. May cause burns in mucous membranes, throat, oesophagus and stomach. Possible respiratory irritation by wetting agents in atomised spray form.

Skin corrosion/irritation

Skin corrosion/irritation Causes severe burns.,Defatting, drying and cracking of skin.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage. May cause possible injury if not promptly rinsed.

Skin sensitisation

Skin sensitisation Contains Hexyl cinnamal Benzyl benzoate

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.

Toxicological information on ingredients.

Disodium metasilicate

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,280.0

Species Rat

SECTION 12: Ecological Information

12.1. Toxicity

Ecological information on ingredients.

Trisodium orthophosphate

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|---|---|
| Acute toxicity - fish | LC50, 96 hours, 96 hours: 150 mg/l, Poecilia reticulata (Guppy) LC ₅₀ , 96 hours: >100 mg/l, Onchorhynchus mykiss (Rainbow trout) |
| Acute toxicity - aquatic invertebrates | EC ₅₀ , 48 hours: >100 mg/l, Daphnia magna |
| Acute toxicity - aquatic plants | EC ₅₀ , 72 hours: >100 mg/l, Desmodosmus subspicatus |

Disodium metasilicate

| | |
|---|--|
| 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 |

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.

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

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 The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

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) 1760

UN No. (IMDG) 1760

14.2. UN proper shipping name

Corrosive liquid, N.O.S. (contains disodium trioxosilicate and N,N-bis(carboxymethyl)-alanin, trisodium salt)

14.3. Transport hazard class(es)

ADR/RID class 8

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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 MARPOL73/78 and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

SECTION 15: Regulatory information

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

National regulations The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).

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 02/06/2016

Revision 4

Supersedes date 12/05/2015

Signature Aaron Saunders

Please note: Where abbreviations have been used elsewhere the full text has been written below, for the classification of the product please refer to section 2.

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

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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.