



SAFETY DATA SHEET DOUBLE CLEAN

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

1.1. Product identifier

Product name DOUBLE CLEAN

Product number S776

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

Identified uses A highly concentrated, fast dissolving powdered detergent formulated for optimum performance in hot water extraction carpet cleaning equipment. Double Clean contains high quality ingredients for cleaning heavily soiled carpets, plus a special corrosion inhibitor to protect machinery.

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 Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Dam. 1 - H318

Environmental hazards Not Classified

Human health Causes serious eye damage. Contact with concentrate or solution May cause severe eye irritation. Causes skin irritation. Dust may irritate the respiratory system. Product is alkaline and may be mildly corrosive to mucous membranes. Ingestion may cause: irritation nausea

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

Physicochemical None known.

2.2. Label elements

DOUBLE CLEAN

Pictogram



Signal word

Danger

Hazard statements

H315 Causes skin irritation.
H318 Causes serious eye damage.

Precautionary statements

P102 Keep out of reach of children.
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.
P310 Immediately call a POISON CENTER/doctor.
P302+P352 IF ON SKIN: Wash with plenty of water.

Contains

Tetrasodium ethylene diamine tetraacetate, Alcohols, C9-11, ethoxylated, Disodium metasilicate

Detergent labelling

≥ 30% phosphates, 5 - < 15% EDTA and salts thereof, < 5% anionic surfactants, < 5% non-ionic surfactants, < 5% perfumes, Contains d-Limonene, Citral, Linalool

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

Tetrasodium ethylene diamine tetraacetate

5-10%

CAS number: 64-02-8

EC number: 200-573-9

Classification

Acute Tox. 4 - H302
Acute Tox. 4 - H332
Eye Dam. 1 - H318
STOT RE 2 - H373

(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

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Alcohols, C9-11, ethoxylated	1-5%
CAS number: 68439-45-2	
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	
Sodium xylenesulphonate	1-5%
CAS number: 1300-72-7	EC number: 215-090-9
Classification	
Eye Irrit. 2 - H319	

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	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

Skin contact	Causes skin irritation.
Eye contact	Contact with concentrate or solution May cause severe eye irritation. Causes serious eye damage.

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. Rinse immediately with plenty of water.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

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

5.3. Advice for firefighters

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

Environmental precautions	Avoid discharge into drains or watercourses or onto the ground.
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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.
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6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8. For waste disposal, see Section 13.
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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.
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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.
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7.3. Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
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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.

(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.

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Ingredient comments Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m³.

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.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Powder.
Colour	Blue.
Odour	Citrus. Mint
Odour threshold	Not determined.
pH	pH (diluted solution): 10
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	Not determined.
Solubility(ies)	Soluble in water.
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Viscosity	Not applicable.
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

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 acids. Oxidising materials.

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects Dust may irritate the respiratory system. Vapours may cause headache, fatigue, dizziness and nausea. Product is alkaline and may be mildly corrosive to mucous membranes. Ingestion may cause: irritation nausea Diarrhoea.

Acute toxicity - oral

ATE oral (mg/kg) 16,064.26

Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l) 24.1

Skin corrosion/irritation

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage. Contact with concentrate or solution May cause severe eye irritation.

Skin sensitisation

Skin sensitisation Contains Citral Limonene Linalool

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.

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Tetrasodium ethylene diamine tetraacetate

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,000.0

Species Rat

ATE oral (mg/kg) 1,000.0

Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l) 1.5

Disodium metasilicate

Acute toxicity - oral

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

Species Rat

Sodium xylenesulphonate

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 7,200.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,000.0

Species Rabbit

SECTION 12: Ecological Information

12.1. Toxicity

Ecological information on ingredients.

Tetrasodium ethylene diamine tetraacetate

Acute toxicity - fish LC₅₀, 96 hours: > 100 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: > 100 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC₅₀, 72 hours: > 100 mg/l, Algae

Disodium metasilicate

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

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 1700 mg/l, Daphnia magna

12.2. Persistence and degradability

DOUBLE CLEAN

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 The product does not contain any substances expected to be bioaccumulating. Release of large quantities can cause eutrophication.

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 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

Not classified for transportation.

14.2. UN proper shipping name

None.

14.3. Transport hazard class(es)

None.

ADR/RID 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

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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	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	17/05/2016
Revision	4
Supersedes date	03/12/2015
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. 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. H332 Harmful if inhaled. H335 May cause respiratory irritation. H373 May cause damage to organs (Lungs) through prolonged or repeated exposure if inhaled.

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.