



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 compound 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

Classification (67/548/EEC or 1999/45/EC)

Xi;R41.

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.

DOUBLE CLEAN**Physicochemical**

None known.

2.2. Label elements**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% anionic surfactants, 5 - < 15% EDTA and salts thereof, < 5% non-ionic surfactants, < 5% NTA (nitrilotriacetic acid) and salts thereof, < 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	Classification (67/548/EEC or 1999/45/EC)
Eye Irrit. 2 - H319	Xi;R36
Tetrasodium ethylene diamine tetraacetate	5-10%
CAS number: 64-02-8 EC number: 200-573-9	
Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 4 - H302	Xn;R22 Xi;R41
Acute Tox. 4 - H332	
Eye Dam. 1 - H318	
Sodium xylenesulphonate	5-10%
CAS number: 1300-72-7 EC number: 215-090-9	
Classification	Classification (67/548/EEC or 1999/45/EC)
Eye Irrit. 2 - H319	Xi;R36.

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Alcohols, C9-11, ethoxylated	1-5%
CAS number: 68439-45-2 EC number: —	
Classification Eye Dam. 1 - H318 Acute Tox. 4 - H302	Classification (67/548/EEC or 1999/45/EC) Xn;R22. Xi;R41.
(2-Methoxymethylethoxy)propanol	1-5%
CAS number: 34590-94-8 EC number: 252-104-2 Substance with a Community workplace exposure limit.	
Classification Not Classified	Classification (67/548/EEC or 1999/45/EC) -
Disodium metasilicate	1-5%
CAS number: 6834-92-0 EC number: 229-912-9	
Classification Met. Corr. 1 - H290 Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335	Classification (67/548/EEC or 1999/45/EC) C;R34 Xi;R37
Trisodium nitrilotriacetate	<1%
CAS number: 5064-31-3 EC number: 225-768-6	
Classification Carc. 2 - H351 Acute Tox. 4 - H302 Eye Irrit. 2 - H319	Classification (67/548/EEC or 1999/45/EC) Carc. Cat. 3;R40 Xn;R22 Xi;R36

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**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

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Specific treatments

In the event of contact with eyes or ingestion seek immediate medical help. Rinse immediately with plenty of water.

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.

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.

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.

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

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NUI = Nuisance Dust.

(2-Methoxymethylethoxy)propanol

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

Sk

Disodium metasilicate

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

SUP = Supplier's recommendation.

IOELV = Indicative occupational exposure limit value.

Sk = Can be absorbed through skin.

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

Lemon. 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.

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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.

SECTION 10: Stability and reactivity

10.1. 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

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 acids. Oxidising materials.

10.6. 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**Acute toxicity - oral****Notes (oral LD50)**

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.

ATE oral (mg/kg)

6,441.22383253

Acute toxicity - inhalation

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ATE inhalation (dusts/mists mg/l)

22.98850575

Skin corrosion/irritation

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation

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

Skin sensitisation

Contains Citral Limonene Linalool

Germ cell mutagenicity

Genotoxicity - in vivo

No effects expected based upon current data.

Carcinogenicity

No effects expected based upon current data.

Reproductive toxicity

Reproductive toxicity - fertility

No effects expected based upon current data.

Toxicological information on ingredients.

Sodium carbonate

Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg)

2,800

Species

Rat

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg)

2000

Species

Rabbit

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

DOUBLE CLEAN**Sodium xylenesulphonate****Acute toxicity - oral****Acute toxicity oral (LD50 mg/kg)**

7,200

Species

Rat

Acute toxicity - dermal**Acute toxicity dermal (LD50 mg/kg)**

2000

Species

Rabbit

Alcohols, C9-11, ethoxylated**Acute toxicity - oral****Acute toxicity oral (LD50 mg/kg)**

300

Acute toxicity - dermal**Acute toxicity dermal (LD50 mg/kg)**

2000

(2-Methoxymethylethoxy)propanol**Acute toxicity - oral****Acute toxicity oral (LD50 mg/kg)**

5,135

Species

Rat

Acute toxicity - dermal**Acute toxicity dermal (LD50 mg/kg)**

20

Species

Rabbit

Disodium metasilicate**Acute toxicity - oral****Acute toxicity oral (LD50 mg/kg)**

1,280

Species

Rat

SECTION 12: Ecological Information**12.1. Toxicity**

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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

Alcohols, C9-11, ethoxylated

Acute toxicity - fish

LC₅₀, >: > 10 mg/l,

Acute toxicity - aquatic invertebrates

EC₅₀, >: > 1 mg/l,

Acute toxicity - aquatic plants

IC₅₀, >: > 10 mg/l,

(2-Methoxymethylethoxy)propanol

Acute toxicity - fish

LC₅₀, 96 hours: >10000 mg/l, Fish

Acute toxicity - aquatic invertebrates

EC₅₀, 48 hours: 1919 mg/l, Daphnia magna

Acute toxicity - aquatic plants

IC₅₀, 72 hours: >969 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

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

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

Partition coefficient

Not determined.

Ecological information on ingredients.

(2-Methoxymethylethoxy)propanol

Partition coefficient

: -0.35

12.4. Mobility in soil

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Mobility

The product is soluble in water.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. 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

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

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). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

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

DOUBLE CLEAN

Telephone 020 8974 1515

Revision comments

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

Revision date 16/02/2015

Revision 2

Supersedes date 13/11/2012

Signature Aaron Saunders

Risk phrases in full

R22 Harmful if swallowed.
R34 Causes burns.
R36 Irritating to eyes.
R37 Irritating to respiratory system.
R41 Risk of serious damage to eyes.

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.
H351 Suspected of causing cancer.

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.