



## 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 No. 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** Prochem Europe Ltd  
Oakcroft Road  
Chessington  
Surrey  
KT9 1RH  
Telephone: 020 8974 1515  
Fax: 020 8974 1511  
www.prochem.co.uk  
sales@prochem.co.uk

#### 1.4. Emergency telephone number

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 (1999/45/EEC)** Xi;R41.

##### Human health

Contact with concentrate or solution May cause severe irritation to eyes. Risk of serious damage to eyes. Prolonged or repeated exposure may cause: skin irritation and dermatitis. Dust may irritate respiratory system. Product is alkaline and may be mildly corrosive to mucous membranes. Ingestion may cause: irritation nausea

##### Environment

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

##### Physical and Chemical Hazards

None known.

#### 2.2. Label elements

##### Labelling



Irritant

##### Risk Phrases

R41 Risk of serious damage to eyes.

##### Safety Phrases

S2 Keep out of the reach of children.  
S24/25 Avoid contact with skin and eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S28 After contact with skin, wash immediately with plenty of water.  
S37/39 Wear suitable gloves and eye/face protection.

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## 2.3. Other hazards

See section 8 for details of exposure limits.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

<b>SODIUM CARBONATE</b>	<b>15-30%</b>
<b>CAS-No.: 497-19-8</b>	<b>EC No.: 207-838-8</b>
Classification (EC 1272/2008) Eye Irrit. 2 - H319	Classification (67/548/EEC) Xi;R36
<b>TETRASODIUM ETHYLENE DIAMINE TETRAACETATE</b>	<b>5-15%</b>
<b>CAS-No.: 64-02-8</b>	<b>EC No.: 200-573-9</b>
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318	Classification (67/548/EEC) Xn;R22 Xi;R41
<b>SODIUM XYLENESULPHONATE</b>	<b>5-15%</b>
<b>CAS-No.: 1300-72-7</b>	<b>EC No.: 215-090-9</b>
Classification (EC 1272/2008) Eye Irrit. 2 - H319	Classification (67/548/EEC) Xi;R36.
<b>ALCOHOLS, C9-11, ETHOXYLATED</b>	<b>1-5%</b>
<b>CAS-No.: 68439-45-2</b>	<b>EC No.:</b>
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318	Classification (67/548/EEC) Xn;R22. Xi;R41.
<b>(2-METHOXYMETHYLETHOXY)PROPANOL</b>	<b>1-5%</b>
<b>CAS-No.: 34590-94-8</b>	<b>EC No.: 252-104-2</b>
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.
<b>DISODIUM METASILICATE</b>	<b>1-5%</b>
<b>CAS-No.: 6834-92-0</b>	<b>EC No.: 229-912-9</b>
Classification (EC 1272/2008) Skin Corr. 1B - H314 STOT SE 3 - H335	Classification (67/548/EEC) C;R34 Xi;R37

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: FIRST AID MEASURES

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## 4.1. Description of first aid measures

### **Inhalation**

Move the exposed 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. Drink plenty of water. Never give liquid to an unconscious person. Get medical attention. DO NOT INDUCE VOMITING!

### **Skin contact**

Flush skin thoroughly with water. Get medical attention if irritation persists after washing.

### **Eye contact**

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention.

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

### **Eye contact**

Contact with concentrate or solution May cause severe irritation to eyes. Risk of serious damage to eyes.

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

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

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### **Extinguishing media**

This product is not flammable. Use: Water spray, dry powder or carbon dioxide.

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

#### **Hazardous combustion products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Nitrogen oxide.

#### **Unusual Fire & Explosion Hazards**

No unusual fire or explosion hazards noted.

### 5.3. Advice for firefighters

#### **Protective equipment for fire-fighters**

Self contained breathing apparatus and full protective clothing must be worn in case of 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 safety data sheet.

### 6.2. Environmental precautions

Avoid discharge into water courses or onto the ground.

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

For concentrate: Recover the product and place in a suitable container for reuse. For solution: Absorb spillage with non-combustible, absorbent material. Transfer to a container for disposal.

### 6.4. 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

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

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

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)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

## DOUBLE CLEAN

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
(2-METHOXYMETHYLETHOXY)PROPANOL	WEL	50 ppm	308 mg/m <sup>3</sup>			Sk
DISODIUM METASILICATE	SUP				2 mg/m <sup>3</sup>	SUP = Supplier's recommendation.
DOUBLE CLEAN	NUI	4 mg/m <sup>3</sup> resp. dust	10 mg/m <sup>3</sup> total dust			NUI = Nuisance Dust.

Sk = Can be absorbed through skin.

### 8.2. Exposure controls

#### Protective equipment



#### Engineering measures

Provide adequate ventilation.

#### Respiratory equipment

Not required in normal use.

#### Hand protection

Nitrile gloves are recommended. Protective gloves should be inspected for wear before use and replaced regularly in accordance with the manufacturers specifications.

#### Eye protection

Side shield safety glasses are recommended when handling this product.

#### Hygiene measures

Wash hands after handling. Wash contaminated clothing before reuse. When using do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

<b>Appearance</b>	Powder.
<b>Colour</b>	Blue.
<b>Odour</b>	Lemon. Mint
<b>Solubility</b>	Soluble in water.
<b>Initial boiling point and boiling range</b>	
Not applicable.	
<b>Relative density</b>	
Not determined.	
<b>Vapour density (air=1)</b>	
Not determined.	
<b>Vapour pressure</b>	
Not determined.	
<b>Evaporation rate</b>	
Not determined.	
<b>pH-Value, Conc. Solution</b>	
Not applicable.	
<b>pH-Value, Diluted Solution</b>	10
<b>Viscosity</b>	
Not applicable.	
<b>Odour Threshold, Lower</b>	
Not determined.	
<b>Odour Threshold, Upper</b>	
Not determined.	
<b>Auto Ignition Temperature (°C)</b>	
Not determined.	
<b>Flammability Limit - Lower(%)</b>	
Not applicable.	
<b>Flammability Limit - Upper(%)</b>	
Not applicable.	

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## **Partition Coefficient (N-Octanol/Water)**

Not determined.

## **Explosive properties**

Not applicable.

## **Oxidising properties**

Not applicable.

## **9.2. Other information**

None.

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

### **10.1. Reactivity**

No specific reactivity hazards associated with this product.

### **10.2. Chemical stability**

Stable under normal temperature conditions.

### **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 may liberate carbon oxides and other toxic gases or vapours. Nitrogen oxide.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

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

#### **Acute toxicity:**

Dust may irritate 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.

#### **Skin Corrosion/Irritation:**

Prolonged or repeated exposure may cause: skin irritation and dermatitis.

#### **Serious eye damage/irritation:**

Contact with concentrate or solution May cause severe irritation to eyes. Risk of serious damage to eyes.

#### **Respiratory or skin sensitisation:**

Contains Citral Limonene Linalool

#### **Germ cell mutagenicity:**

No effects expected based upon current data.

#### **Carcinogenicity:**

No effects expected based upon current data.

#### **Reproductive Toxicity:**

No effects expected based upon current data.

#### **Toxicological information on ingredients.**

**DOUBLE CLEAN**  
**SODIUM CARBONATE (CAS: 497-19-8)**

**Acute toxicity:**

**Acute Toxicity (Oral LD50)**

2800 mg/kg Rat

**Acute Toxicity (Dermal LD50)**

2000 mg/kg Rabbit

**Acute Toxicity (Inhalation LC50)**

2.3 mg/l (dust/mist) Rat 4 hours

**DISODIUM METASILICATE (CAS: 6834-92-0)**

**Acute toxicity:**

**Acute Toxicity (Oral LD50)**

1280 mg/kg Rat

**TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)**

**Acute toxicity:**

**Acute Toxicity (Oral LD50)**

> 1740 mg/kg Rat

**SODIUM XYLENESULPHONATE (CAS: 1300-72-7)**

**Acute toxicity:**

**Acute Toxicity (Oral LD50)**

> 2000 mg/kg Rat

**(2-METHOXYMETHYLETHOXY)PROPANOL (CAS: 34590-94-8)**

**Acute toxicity:**

**Acute Toxicity (Oral LD50)**

5135 mg/kg Rat

**Acute Toxicity (Dermal LD50)**

> 20 mg/kg Rabbit

**ALCOHOLS, C9-11, ETHOXYLATED (CAS: 68439-45-2)**

**Acute toxicity:**

**Acute Toxicity (Oral LD50)**

> 300 mg/kg

**Acute Toxicity (Dermal LD50)**

> 2000 mg/kg

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1. Toxicity**

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## Ecological information on ingredients.

### DISODIUM METASILICATE (CAS: 6834-92-0)

#### Acute Toxicity - Fish

LC50 96 hours 3185 mg/l

#### Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 4857 mg/l Daphnia magna

### TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

#### LC 50, 96 Hrs, Fish mg/l

> 100

#### EC 50, 48 Hrs, Daphnia, mg/l

> 100

#### IC 50, 72 Hrs, Algae, mg/l

> 100

### (2-METHOXYMETHYLETHOXY)PROPANOL (CAS: 34590-94-8)

#### LC 50, 96 Hrs, Fish mg/l

>10000

#### EC 50, 48 Hrs, Daphnia, mg/l

1919

#### IC 50, 72 Hrs, Algae, mg/l

>969

### ALCOHOLS, C9-11, ETHOXYLATED (CAS: 68439-45-2)

#### Acute Toxicity - Fish

LC50 > 10 mg/l

#### Acute Toxicity - Aquatic Invertebrates

EC50 > 1 mg/l

#### Acute Toxicity - Aquatic Plants

IC50 > 10 mg/l

## 12.2. Persistence and degradability

### Degradability

The surfactant(s) contained in this preparation 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 (CAS: 34590-94-8)

#### Chemical Oxygen Demand

2.02

## 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

This product does not contain any PBT or vPvB substances.

## 12.6. Other adverse effects

None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. 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**

Proper Shipping Name                      None

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

None.

ADR/RID/ADN 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****Uk Regulatory References**

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION****General information**

Telephone 020 8974 1515

Revision Date                                      13/11/2012

Revision    1

Signature    Aaron Saunders

**Risk Phrases In Full**

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



## DOUBLE CLEAN

### Hazard Statements In Full

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

### 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.