



SAFETY DATA SHEET DRY BLEND

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

1.1. Product identifier

Product name DRY BLEND

Product number S773

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

Identified uses Dry Blend Carpet Cleaner is a specially formulated powdered detergent for use in carpet soil extraction machines. Dry Blend is suitable for use on most types of carpet, subject to proper pre-inspection and colour testing.

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
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

Classification (67/548/EEC or 1999/45/EC) Xi;R36.

Human health Causes severe skin burns and eye damage. Dust may irritate the respiratory system. Ingestion may cause: irritation nausea 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

DRY BLEND**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.
 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/shower.
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P310 Immediately call a POISON CENTER/doctor.

Contains

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

Detergent labelling

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

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 | 1-5% |
| 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 | |
| Alcohols C9-11, ethoxylated | 1-5% |
| CAS number: 68439-45-2 | |
| Classification | Classification (67/548/EEC or 1999/45/EC) |
| Acute Tox. 4 - H302 | Xn;R22. Xi;R41. |
| Eye Dam. 1 - H318 | |

DRY BLEND

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| Disodium metasilicate | 1-5% |
| CAS number: 6834-92-0 | EC number: 229-912-9 |
| Classification | Classification (67/548/EEC or 1999/45/EC) |
| Met. Corr. 1 - H290 | C;R34 Xi;R37 |
| 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 and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues. If powder is accidentally inhaled then treat as ingestion. Rinse nose and mouth with water. |
| Ingestion | Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Never give anything by mouth to an unconscious person. 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 if any discomfort continues. |

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

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| Skin contact | Causes severe skin burns and eye damage. |
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4.3. Indication of any immediate medical attention and special treatment needed

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| Specific treatments | If swallowed: Get medical attention immediately. |
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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. |
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|--------------------------------------|---|
| Hazardous combustion products | Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Sulphurous gases (SO _x). |
|--------------------------------------|---|

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. |
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

DRY BLEND

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

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.

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

DRY BLEND

| | |
|---|---------------------------|
| Appearance | Powder. |
| Colour | White. |
| Odour | Lemon. Lime. |
| pH | pH (diluted solution): 10 |
| Initial boiling point and range | Not applicable. |
| 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 | Not determined. |
| Solubility(ies) | Soluble in water. |
| Partition coefficient | 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

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

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| Possibility of hazardous reactions | Not determined. |
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10.4. Conditions to avoid

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

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| Materials to avoid | Strong acids. Aluminium. Zinc. Other metals or alloys. |
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10.6. Hazardous decomposition products

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|---|---|
| Hazardous decomposition products | Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Sulphurous gases (SO _x). |
|---|---|

SECTION 11: Toxicological information

11.1. Information on toxicological effects

DRY BLEND

Toxicological effects Dust may irritate the respiratory system. No hazard expected in diluted form. May cause chemical burns in mouth and throat. Ingestion may cause: irritation nausea

Acute toxicity - oral

ATE oral (mg/kg) 14,995.31396439

Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l) 55.17241379

Skin corrosion/irritation

Skin corrosion/irritation Causes severe burns.

Serious eye damage/irritation

Serious eye damage/irritation May cause serious eye damage.

Skin sensitisation

Skin sensitisation Contains Limonene Citral

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.

Sodium carbonate

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 2,800

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,000

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

DRY BLEND**Alcohols C9-11, ethoxylated****Acute toxicity - oral**

Acute toxicity oral (LD₅₀) 300
mg/kg)

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀) 2,000
mg/kg)

Disodium metasilicate**Acute toxicity - oral**

Acute toxicity oral (LD₅₀) 1,280
mg/kg)

Species Rat

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

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,

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 The product is not bioaccumulating. Release of large quantities can cause eutrophication.

Partition coefficient Not determined.

12.4. Mobility in soil

Mobility The product is soluble in water.

DRY BLEND

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

None.

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

DRY BLEND

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 | 12/05/2015 |
| Revision | 3 |
| Supersedes date | 06/03/2014 |
| 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. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. |

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.