

**S773****DRY BLEND****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product Identifier:** DRY BLEND **Product Code:** S773**1.2. Relevant identified uses of the substance or mixture and uses advised against:**

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.

Mix 15ml. (1 measure scoop) of Dry Blend powder per 5 litres of hot water in the machine solution tank. **Always pretest carpet for colour fastness with ready-to-use solution of Dry Blend before proceeding.** For unstable dyes use B109 Fibre & Fabric Rinse in place of Dry Blend, subject to testing. Pretreat heavily soiled areas and spots with S709 Multi Pro according to label directions. For excessive foam from previously shampooed carpets, add S760 Liquid Defoamer to the machine recovery system.

1.3. Details of the supplier of the safety data sheet:

Prochem Europe Ltd., Oakcroft Road, Chessington, Surrey KT9 1RH, UK. Telephone No (office hours 8am to 5pm, Monday to Friday only): 020 8974 1515 (UK) +44 20 8974 1515 (EC) Chemical Product Manager E, H & S
Website: www.prochem.co.uk Email: sales@prochem.co.uk

1.4. Emergency telephone number:

020 8974 1515 (UK) +44 20 8974 1515 (office hours 8am to 5pm, Monday to Friday only).

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/EC): Xi R36

Please see section 16 where the full text of each hazard statement and risk phrase is given.

Most important adverse effects:

Eye Contact: Contact with concentrate or solution may cause moderate eye irritation.

Skin Contact: Prolonged or repeated contact with concentrate or solution may cause irritation and possible dermatitis.

Inhalation: Excessive exposure to powder concentrate dust may cause respiratory irritation. No hazard expected in diluted form.

Ingestion: Ingestion of concentrate may produce nausea and irritation due to alkalinity.

Environment: See Ecological Information for further details.

2.2. Label elements:**IRRITANT**

R36 Irritating to Eyes.

For professional and industrial use only.

Keep out of the reach of children.

Avoid contact with skin and eyes.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Wear suitable gloves.

2.3. Other hazards:

See section 8 for details of exposure limits.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**3.2. Mixtures:**

SUBSTANCE	RISK (See Section 16)	H Statements	EINECS NO.	CAS NO.	% W/W (EC RANGE)
Sodium carbonate	Xi R36	Eye Irrit 2 H319	207-838-8	497-19-8	15 to 30%
Tetrasodium ethylenediaminetetraacetate	Xn R22 Xi R41	Not currently available	200-573-9	64-02-8	1 to 5%
Alcohol ethoxylate with 9MEO	Xn R22 Xi R41	Not currently available	None	68439-45-2	1 to 5%
Disodium metasilicate	C R34 Xi R37	Skin Corr 1B H314 STOT SE 3 H335	229-912-9	6834-92-0	1 to 5%

SECTION 4: FIRST AID MEASURES**4.1. Description of first aid measures:**

Eye Contact: Flush immediately with water for 15 minutes, then seek medical attention if irritation persists.

Skin Contact: Flush skin with plenty of water. Seek medical attention if any skin irritation persists.

Inhalation: Move to fresh air and seek medical attention if irritation persists. If powder is accidentally inhaled then treat as ingestion and rinse nasal passages.

Ingestion: If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. If injured party is conscious, give two glasses of water. Seek medical attention.

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

Contact with concentrate or solution may cause eye irritation.

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

Seek immediate medical attention if swallowed.

SECTION 5: FIRE FIGHTING MEASURES

5.1. Extinguishing Media:

Product is not flammable. Use water, carbon dioxide, dry powder extinguisher, or other media appropriate for materials actually involved in fire.

5.2. Special hazards arising from the substance or mixture:

No explosion hazards. Exposure to fire may liberate carbon dioxide, carbon monoxide, sulphur oxides, water and other unidentified thermal decomposition products from this product or its packaging.

5.3. Advice for firefighters:

Self contained breathing apparatus for large amounts involved in 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 sds.

6.2. Environmental precautions:

Raw materials are biodegradable and product is not classified as harmful to the environment.

6.3. Methods and material for containment and cleaning up:

Large spills should be contained and disposed at legal waste disposal site. Small spills can be flushed with water to sewage drain linked to waste treatment facility.

6.4. Reference to other sections:

See sections 8 and 13 for further information.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling:

Wear nitrile rubber gloves and safety glasses when handling concentrate. Wash hands and clothing after use or spill. Do not eat or drink when handling chemicals.

7.2. Conditions for safe storage, including any incompatibilities:

Avoid extremes of temperature. Keep out of reach of children. Keep in original container.

7.3. Specific end use(s):

Dry Blend Carpet Cleaner is a specially formulated powdered detergent for use in carpet soil extraction machines.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters:

10mg/m³ inhalable 4mg/m³ respirable dust EH40. Disodium metasilicate suggested WEL-STEL 2mg/m³.

8.2. Exposure controls:

Eye/Face Protection: Side shield safety glasses are recommended when handling concentrate.

Skin Protection: Standard work clothing and nitrile rubber gloves. Protective gloves should be inspected for wear before use and replaced regularly in accordance with the manufacturer's specifications.

Respiratory Protection: Not required in normal use.

Ventilation: Normal air circulation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Appearance: Moist White Powder

Odour: Lemon & lime

Odour Threshold: Not determined

pH Concentrate: Not applicable **pH Diluted:** 9.5

Melting point/freezing point °C: Not determined

Initial boiling point and boiling range °C: Not applicable

Flash Point °C: None **Method:** Not applicable

Evaporation Rate: Not determined

Flammability (solid, gas): Not flammable

Upper/lower flammability or explosive limits: Not applicable

Vapour Pressure: Not determined

Vapour Density: Not determined

Relative Density (Water = 1): Not applicable

Solubility(ies): Soluble

Partition Coefficient (N-octanol / Water): Not determined

Auto-ignition temperature: Not determined

Decomposition temperature: Not determined

Viscosity: Not applicable

Explosive Properties: Not applicable

Oxidising Properties: Not applicable

% Active: 100

% Solids: Not applicable

9.2. Other Information:

None.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:

Stable under normal conditions.

10.2. Chemical stability:

Stable

10.3. Possibility of hazardous reactions:

Not determined.

10.4. Conditions to Avoid:

Extremes of temperature.

10.5. Incompatible materials:

Strong acids, aluminium, zinc, alloys.

10.6. Hazardous Decomposition Products:

Exposure to fire may liberate carbon dioxide, carbon monoxide, sulphur oxides, water and other unidentified thermal decomposition products from this product or its packaging.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

LD50 4090mg/kg (oral-rat) (sodium carbonate)

LD50 >1740mg/kg (oral-rat) (tetrasodium

ethylenediaminetetraacetate)

LD50 200-2000mg/kg (oral-rat) (alcohol ethoxylate with 9MEO)

LD50 >2000mg/kg (dermal-rat) (alcohol ethoxylate with 9MEO)

LD50 1280mg/kg (oral-rat) (disodium metasilicate)

Irritation:

Contact with concentrate or solution may produce eye irritation if not promptly rinsed.

Prolonged or repeated contact may cause skin dryness, irritation and possible dermatitis.

No health effects due to inhalation expected in diluted form.

Excessive exposure to dust may cause respiratory irritation.

Product is alkaline and ingestion may produce gastrointestinal irritation and nausea.

Corrosivity: Not corrosive.

Sensitisation: This product contains limonene and citral.

Repeated Dose Toxicity: Not established.

Carcinogenicity: No effects expected based upon current data.

Mutagenicity: No effects expected based upon current data.

Toxicity for reproduction: No effects expected based upon current data.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity:

LC50 24h >500mg/l (daphnia) (tetrasodium

ethylenediaminetetraacetate)

LC50 96h >100mg/l (fish) (tetrasodium

ethylenediaminetetraacetate)

EC50 48h 1-10mg/l (daphnia) (alcohol ethoxylate with 9 MEO)

LC50 96h 10-100mg/l (fish) (alcohol ethoxylate with 9 MEO)

IC50 72h 10-100mg/l (algae) (alcohol ethoxylate with 9 MEO)

12.2. Persistence and Degradability:

The surfactant(s) contained in this preparation 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. The major packaging materials of polyethylene and fibreboard are recyclable.

12.3. Bioaccumulative Potential:

Does not bioaccumulate.

12.4. Mobility in soil:

Soluble in water.

12.5. Results of PBT and vPvB assessment:

Report not required.

12.6. Other adverse effects:

None known or no relevant data available for substances in this mixture.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

Cleaning waste effluent should be disposed of in accordance with regional and national requirements. Empty containers should be rinsed with water then crushed and disposed of at legal waste disposal site. Contact local Environment Agency office for waste holder requirements.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number: None

14.2. UN Proper Shipping Name: None

14.3. Transport hazard class(es):

Road (ADR): None

Sea (IMDG): None

Rail (RID): None

14.4. Packing Group: None

14.5. Environmental hazards: None

14.6. Special precautions for user: No special precautions required other than those previously mentioned in this safety data sheet.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not intended to be carried as bulk.

SECTION 15: REGULATORY INFORMATION

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

The information given has been compiled with reference to the **CHEMICALS (HAZARD INFORMATION AND PACKAGING FOR SUPPLY) REGULATIONS (CHIP 4) 2009** (as amended), **REGULATION (EC) No 1272/2008 on CLASSIFICATION, LABELLING and PACKAGING of substances and mixtures**, the **REGISTRATION, EVALUATION, AUTHORISATION AND RESTRICTION OF CHEMICALS (REACH) REGULATIONS** (as amended), the **CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS (COSHH) 2002** (as amended) **REGULATION (EC) NO. 648/2004 ON DETERGENTS** (as amended) and the **MANAGEMENT OF HEALTH AND SAFETY AT WORK REGULATIONS 1999** (as amended). This safety data sheet does not constitute the users own assessment of workplace risk as required by other health and safety regulations.

15.2. Chemical safety assessment

Not currently available.

SECTION 16: OTHER INFORMATION

Full text of Risk phrases referred to in Section 2 and 3:

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

Full text of Hazard Statements referred to in Section 2 and 3:

H314 Causes severe skin burns and eye damage. H319 Causes serious eye irritation. 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.

Revisions: Replaces SDS S773 Issue / Revision Date 26/02/08
Revised Sections: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16.