



**Product Specification &**

**SAFETY DATA SHEET**

CHIP / EC FORMAT 1907/2006 AMD 93/112/EC AMD 2001/58/EC



**S709**

**MULTI PRO**

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

**Product Name:** MULTI PRO **Product Code:** S709  
**Manufacturer:** Prochem Europe Ltd., Oakcroft Road, Chessington, Surrey KT9 1RH, UK. Telephone No (office hours only): 020 8974 1515 (UK) +44 20 8974 1515 (EC) Chemical Product Manager E, H & S  
 Website: [www.prochem.co.uk](http://www.prochem.co.uk) Email: [sales@prochem.co.uk](mailto:sales@prochem.co.uk)  
**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.

**Product Description & Directions For Use:**  
 S709 Multi Pro is a multi-purpose traffic lane cleaner, prespray and spotter for use on carpets. Multi Pro can also be used as a general purpose alkaline cleaner for heavy soil and greasy soil on most surfaces.

**Light duty and general applications:**  
 Dilute 125ml of S709 per litre of water (1 to 8).

**Heavy soil and grease:**  
 Dilute 250ml of S709 per litre of water (1 to 4).

**Always pre-test carpet or surface with diluted solution before proceeding.** Wool carpets and those with unstable dyes should be tested and extraction rinsed with B109 Fibre & Fabric Rinse according to label directions. Apply by sprayer to all heavily soiled areas and spots, then agitate carpet with pile brush. Blot spots with clean white towel or tissue, then clean treated carpet with normal extraction or shampoo process. Other surfaces can be wiped with a towel or mop.

**SECTION 2: HAZARDS IDENTIFICATION**

**Classification:** Not classified.  
**Eye Contact:** Contact with concentrate may cause moderate eye irritation.  
**Skin Contact:** Prolonged or repeated contact with concentrate may cause irritation and possible dermatitis.  
**Inhalation:** Excessive exposure to atomised spray mists may produce breathing irritation.  
**Ingestion:** Ingestion of concentrate may produce nausea and irritation due to alkalinity.  
**Environment:** Raw materials are biodegradable. See Ecological Information for further details.

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

SUBSTANCE	RISK (See Section 16)	EINECS NO.	CAS NO.	% W/W (EC RANGE)
(2-methoxymethylethoxy)propanol	None	252-104-2	34590-94-8	5 to 15%
Trisodium orthophosphate	Xi R36/37/38	231-509-8	7601-54-9	Less than 5%
C9-11 alcohol ethoxylate with 9MEO	Xn R22 Xi R41	None	68439-45-2	Less than 5%

**SECTION 4: 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:** Get fresh air and seek medical assistance if breathing irritation persists.  
**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.

**SECTION 5: FIRE FIGHTING MEASURES**

**Extinguishing Media:** Product is not flammable. Use water, carbon dioxide, dry powder extinguisher, or other media appropriate for materials actually involved in fire.  
**Fire/Explosion Hazards:** No explosion hazard.  
**Decomposition Products:** Exposure to fire may liberate carbon dioxide, carbon monoxide, water and other unidentified thermal decomposition products from this product or its packaging.  
**Special Protective Equipment:** Self contained breathing apparatus for large amounts involved in fire.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal Protection:** Protective clothing, nitrile butyl rubber gloves, chemical splash goggles.  
**Containment and Disposal:** Large spills should be treated with dry absorbent and disposed at legal waste disposal site. Small spills can be flushed with water to sewage drain linked to waste treatment facility.

**SECTION 7: HANDLING AND STORAGE**

**Handling Precautions:** Wear nitrile butyl rubber gloves and safety glasses when handling concentrate or during prolonged spraying.  
**Storage Precautions:** Avoid extremes of temperature. Keep out of reach of children. Keep in original container.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Limits:** (2-methoxymethylethoxy)propanol (IOELV) WEL-LTEL 50ppm (308mg/m<sup>3</sup>) (Sk).  
**Environmental Controls:** For additional guidance, contact ENVIROWISE at [www.envirowise.gov.uk](http://www.envirowise.gov.uk) or telephone 0800 585794

**Eye Protection:** Side shield safety glasses or goggles are recommended when handling concentrate.

**Protective Clothing:** Standard work clothing and nitrile butyl rubber gloves. Protective gloves should be inspected for wear before use and replaced regularly in accordance with the manufacturers specifications.

**Respiratory Protection:** Not normally required. For situations where recommended exposure limits may be exceeded or where there is a risk of inhalation of fine spray mists, a suitable respirator face mask is recommended.

**Ventilation:** Normal air circulation. Allow adequate ventilation in enclosed areas.

**Hygiene:** Wash hands and clothing after use or spill. Do not eat or drink when handling chemicals.

#### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance/Colour/State:** Turquoise blue clear liquid

**Odour:** Mint lemon

**pH Concentrate:** 12

**pH Diluted:** 10.5

**Boiling Point / Range °C:** 100

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

**Flammability Limit %:** Not applicable

**Explosive Properties:** Not applicable

**Oxidising Properties:** Not applicable

**Vapour Pressure:** Not determined

**Relative Density (Water = 1):** 1.036

**Solubility:** 100%

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

**Viscosity:** Not determined

**Vapour Density:** Not determined

**Evaporation Rate:** Not determined

**% Active:** 12.5

**% Solids:** 9

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

**Stability:** Stable

**Conditions to Avoid:** Extremes of temperature.

**Incompatibility (Materials to Avoid):** Strong oxidising materials and concentrated acids.

**Hazardous Decomposition Products:** Exposure to fire may liberate carbon dioxide, carbon monoxide, water and other unidentified thermal decomposition products from this product or its packaging.

#### **SECTION 11: TOXICOLOGICAL INFORMATION**

**Eye Contact:** Contact with concentrate may produce moderate transient irritation if not promptly rinsed.

**Skin Contact:** Prolonged or repeated contact may cause irritation and possible dermatitis.

**Inhalation:** Possible respiratory irritation from aerosolised wetting agents.

**Ingestion:** Product is alkaline and may produce gastro-intestinal irritation and nausea. Possible systemic effects.

**Acute and Chronic Effects:**

**Acute Toxicity:** LD50 >3500mg/kg (oral-rat) [(2-methoxymethylethoxy)propanol]

LD50 20mg/l (dermal-rabbit) [(2-methoxymethylethoxy)propanol]

LD50 7h >500ppm (inhalation-rat) [(2-methoxymethylethoxy)propanol]

LD50 4100mg/kg (oral-rat) (trisodium orthophosphate)

LD50 >7940mg/kg (dermal-rabbit) (trisodium orthophosphate)

LD50 200-2000mg/kg (oral-rat) (C9-11 alcohol ethoxylate with 9MEO)

LD50 >2000mg/kg (dermal-rat) (C9-11 alcohol ethoxylate with 9MEO)

**Corrosivity / Irritation:** Skin, eye and respiratory

**Sensitisation:** None Known

**Repeated Dose Toxicity:** Not established

**Mutagenicity:** None

**Carcinogenicity:** None

**Teratogenicity:** None

#### **SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** EC50 48h 1919mg/l (daphnia) [(2-methoxymethylethoxy)propanol]

EC50 96h >969mg/l (green algae) [(2-methoxymethylethoxy)propanol]

LC50 96h >10000mg/l (goldfish) [(2-methoxymethylethoxy)propanol]

LC50 95h 150mg/l (guppy) (trisodium orthophosphate)

EC50 48h 13.4mg/l (daphnia) (C9-11 alcohol ethoxylate with 9MEO)

LC50 96h 23.7mg/l (rainbow trout) (C9-11 alcohol ethoxylate with 9MEO)

IC50 10-100mg/l (algae) (C9-11 alcohol ethoxylate with 9MEO)

**Mobility:** Soluble in water.

**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.

**Bioaccumulative Potential:** Not known.

**Other Effects:** None known or no relevant data available for substances in this preparation.

#### **SECTION 13: DISPOSAL CONSIDERATIONS**

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**

**UN No:** None

**Classification:** Not classified as hazardous for transport.

**Proper Shipping Name:** None

**Packing Group:** None

**Road (ADR):** None

**Sea (IMDG):** None

**Air (ICAO / IATA):** None

**Rail (RID):** None

#### **SECTION 15: REGULATORY INFORMATION**

**Classification:** Not classified as hazardous for supply.

**Risk Phrases**

None.

**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.

S37 Wear suitable gloves.

The information given has been compiled with reference to the **CHEMICALS (HAZARD INFORMATION AND PACKAGING FOR SUPPLY) REGULATIONS (CHIP 3) 2002** (as amended), 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.

#### **SECTION 16: OTHER INFORMATION**

**Risk Phrases:** R22 Harmful if swallowed. R36 Irritating to eyes R37 Irritating to respiratory system. R38 Irritating to skin. R41 Risk of serious damage to eyes.

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 S709 Issue / Revision Date 12/01/09 Revised Sections: 3, 8, 11, 12.