



**Product Specification &**

**SAFETY DATA SHEET**

CHIP / EC FORMAT 91/155/EEC AMD 93/112/EC AMD 2001/58/EC

**JANGRO BM056**

**HI-FORCE PRESPRAY**



**SECTION 1: IDENTIFICATION OF THE PREPARATION AND COMPANY**

**Product Name:** HI-FORCE PRESPRAY      **Product Code:** S789  
**Manufacturer:** Prochem Europe Ltd., Oakcroft Road, Chessington, Surrey KT9 1RH, UK. Telephone No: 020 8974 1515 (UK) +44 20 8974 1515 (EC) Chemical Product Manager E, H & S  
**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:**

A powerful, high performance alkaline detergent pre-spray for pre-cleaning heavily soiled commercial carpet. Ideal for greasy restaurant carpets and traffic lanes where there is a high build up of grease, oil, fats, food and protein soils. Not suitable for wool, wool-mix and stain resistant carpet. Mix 15ml (1 measure scoop) of S789 per litre of hot water (1 to 66) (maximum temperature 65°C). For Hydro-Force sprayer, mix 45ml (3 measure scoops) of S789 per litre of hot water in the sprayer container. Always pretest carpet for colour fastness with ready-to-use solution before proceeding. Apply diluted solution by sprayer then agitate with carpet pile brush. Allow to react with soil for 5 to 10 minutes then extract with B109 Fibre & Fabric Rinse or Prochem extraction detergent. Do not allow pre-treated areas to dry before extracting.

**SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS**

SUBSTANCE	RISK (See Section 16)	EINECS NO.	CAS NO.	% W/W (EC RANGE)
Phosphate	None assigned	None	7758-29-4	More than 30%
Carbonates	Xi R36	207-838-8	497-19-8	15 to 30%
Phosphate	Xi R36/38	231-509-8	7601-54-9	5 to 15%
Non-ionic surfactant	Xn R22 Xi R41 N R50	None	68131-39-5	5 to 15%
Non-ionic surfactant	Xi R41	None	68439-45-2	5 to 15%
Silicates	C R34 Xi R37	229-912-9	6834-92-0	Less than 5%
Butyl diglycol	Xi R36	203-961-6	112-34-5	Less than 5%
Anionic surfactant	Xi R41 N R51/53	253-040-8	36445-71-3	Less than 5%
EDTA	-	-	-	Less than 1%
Fragrance (IFRA certified)	-	-	-	Less than 1%
Dye	-	-	-	Less than 1%

**SECTION 3: HAZARDS IDENTIFICATION**

**Classification:** Risk of serious damage to eyes. Irritating to skin.  
**Eye Contact:** Contact with concentrate or solution may cause eye irritation.  
**Skin Contact:** Prolonged or repeated contact may cause irritation and possible dermatitis.  
**Inhalation:** Inhalation of powder dust or spray mist may cause irritation.  
**Ingestion:** Ingestion of concentrate may produce nausea and irritation due to alkalinity.  
**Environment:** Raw materials are biodegradable. Contains alcohol ethoxylate and surfactant solution which are classified as dangerous for the environment. See Ecological Information for further details.

**SECTION 4: FIRST AID MEASURES**

**Eye Contact:** Flush immediately with water for 10 minutes, then seek medical attention.  
**Skin Contact:** Wash with soap and water. Seek medical attention if any skin irritation persists.  
**Inhalation:** Get fresh air and seek medical attention 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 or milk. 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:** During a fire, smoke may contain the original material in addition to toxic and/or irritating compounds. 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 and full protective clothing if large amounts involved in fire.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal Protection:** Protective clothing, nitrile butyl rubber gloves, chemical splash goggles.  
**Containment and Disposal:** All spills should be treated with dry absorbent and disposed of at a legal waste disposal site.

**SECTION 7: HANDLING AND STORAGE**

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

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

**Exposure Limits:** 10mg/m<sup>3</sup> total 5mg/m<sup>3</sup> respirable dust EH40. Sodium metasilicate OES 2mg/m<sup>3</sup> STEL.

**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.

**Protective Clothing:** Overalls 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:** Half mask respirator fitted with P3 filter.

**Ventilation:** Allow plenty of ventilation.

**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:** Light yellow powder

**Odour:** Floral

**pH Concentrate:** Not applicable **pH Diluted:** 11

**Boiling Point / Range °C:** Not applicable

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

**Flammability Limit %:** Not applicable

**Explosive Properties:** Not applicable

**Oxidising Properties:** Not applicable

**Vapour Pressure:** 760mm/Hg

**Relative Density (Water = 1):** 1.00

**Solubility:** Not determined

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

**Viscosity:** Not applicable

**Vapour Density:** Not determined

**Evaporation Rate:** Not determined

**% Active:** 100

**% Solids:** Not applicable

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

**Stability:** Stable.

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

**Incompatibility (Materials to Avoid):** Strong oxidising agents.

**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 or solution may produce moderate to severe irritation. Risk of tissue damage if not properly rinsed.

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

**Inhalation:** No health effects expected when using diluted solutions. Respiratory irritation may occur from inhalation of powder dust or excessive exposure to spray mists.

**Ingestion:** Product is alkaline and mildly corrosive to mucous membranes.

**Acute and Chronic Effects:**

**Acute Toxicity:** LD50 1153 mg/Kg (Oral-rat) (Sodium metasilicate)

**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:** Contains 5 to 15% alcohol ethoxylate which is classified as very toxic to aquatic organisms.

Alcohol Ethoxylate Fish EC50 10mg/l

Algae EC50 1mg/l

Daphnia EC50 10mg/l

**Mobility:** Soluble in water.

**Persistence and Degradability:** The raw material ingredients in this product are biodegradable within the scope of current EC legislation. The major packaging materials of polyethylene and fibreboard are recyclable. EDTA is slightly biodegradable.

**Bioaccumulative Potential:** Does not bioaccumulate.

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

## **SECTION 13: DISPOSAL CONSIDERATIONS**

Waste cleaning effluent should be discharged to a sewage drain, which is linked to a local sewage and waste treatment facility. Large quantities of product for disposal should be consigned to a licensed haulier in accordance with UK and EC regulations.

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:** Xi IRRITANT

**Risk Phrases**

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

**Safety Phrases**

S2 Keep out of reach of children.

S23 Do not breathe spray.

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.

The information given has been compiled with reference to the **CHEMICALS (HAZARD INFORMATION AND PACKAGING FOR SUPPLY) REGULATIONS (CHIP 3) 2002** (as amended), the **CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS (COSHH) 2002** (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. R34 Causes burns.

R36 Irritating to eyes. R37 Irritating to respiratory system. R38

Irritating to skin. R41 Risk of serious damage to eyes. R50 Very

toxic to aquatic organisms. R51/53 Toxic to aquatic organisms,

may cause long term adverse effects in the aquatic

environment.

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:** Not applicable.