

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product name: PermaPROTECT Mould Wash Concentrate

Product code:

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Intended for general public

Main use category : Consumer Use, Professional use

**1.2.2. Uses advised against**

No additional information available

**1.3. Details of the supplier of the safety data sheet**Company name: Permagard Products Limited  
Unit B2 – B5 Worthy Road  
Chittening Industrial Estate  
Avonmouth  
Bristol  
BS11 0YB

Tel: 0117 982 3282

Fax: 0117 938 1584

Email: Sales@permagard.co.uk

**1.4. Emergency telephone number**

No additional information available

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**Classification of the preparation in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations 2003 (CHIPs 3) and The Control of Pesticides Regulations (as amended) 1997  
Irritating to Eyes and Skin**2.2. Other hazards**

No additional information available

**SECTION 3: Composition/information on components****3.1. Substances**

Substances in the preparation that require classification under The Chemicals (Hazard Information and Packaging for Supply) Regulations 2003 (CHIPs 3) or for which workplace exposure limits have been set.

	R-Symbol	R-Phrase(s)	CAS No	% in preparation
Quaternary ammonium compounds	C, Xn, N	21/22, 34, 50	63449-41-2	8%
Benzyl-C8-18-Alkyldimethyl chlorides				

In aqueous medium

**SECTION 4: First aid measures****4.1. Description of first aid measures**

SWALLOWING: Rinse mouth with clean water and administer 0.5 – 1.0 litres of water. Do not induce vomiting – seek medical attention immediately. Never administer any liquids by mouth to an unconscious person.

EYES: Flush with plenty of clean water for at least 15 minutes and seek medical attention.

INHALATION: Remove patient to fresh air, keep warm and rested. Seek medical attention immediately.

SKIN: Remove contaminated clothing and wash affected areas with soap and water. Launder contaminated clothing before re use

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Extinguishing media: Product is a non combustible aqueous solution :

#### 5.2. Products of Combustion

Prolonged exposure to extreme heat may liberate oxides of carbon, nitrogen and trace quantities of Hydrogen Chloride

#### 5.3. PPE

PPE FIRE Chemical resistant boots, gloves and coveralls. Self contained breathing apparatus

PPE Spillage Chemical resistant boots, coveralls, gloves and eye / face protection

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Where possible, wearing personal protective equipment and without taking personal risk, shut-off, remove source of leak or invert container with leak uppermost.

Absorb spillage with dry earth, sand, sawdust, vermiculite or similar and place into a suitable HDPE or plastic container.

Seal and label with contents and move to a safe area to await disposal.

If product has entered watercourses, ponds or ditches inform Police, Fire Brigade or The Environment Agency immediately.

Heavily contaminated soil should be completely removed and sent for appropriate treatment.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Wear suitable gloves (Neoprene/PVC, Nitrile or plastic), coveralls and eye/face protection.

Store in original container, tightly closed, out of reach of children. NEVER STORE THIS PRODUCT, THE DILUTED SOLUTION OR ANY OTHER CHEMICAL IN A FOOD OR DRINK CONTAINER – EVEN OF CORRECTLY LABELLED.

Store apart from food, drink and animal feedstuffs.

Do not contaminate surfaces on which food is prepared, stored or eaten.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Wear suitable gloves (Neoprene/PVC, Nitrile or plastic), coveralls and eye/face protection.

If spraying, wear suitable respiratory protection, such as a cartridge type respirator, fitted with vapour or mist cartridges.

When using, do not eat, drink or smoke and wash hands and exposed skin before meals and after work.

Engineering control of operator exposure may replace PPE if it can be shown to provide an equal or higher degree of protection.

Do not apply to surfaces where food is prepared stored or eaten, except outdoor tables.

Remove or cover with an impervious film all food preparation equipment, water tanks, fish bowls before application.

Provide a physical barrier against contact by unprotected persons and animals until treated surfaces are dry.

Avoid excessive contamination of coveralls and launder regularly.

### SECTION 9: Physical and chemical properties

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

APPEARANCE:	Clear liquid	FLASHPOINT:	N/A
ODOUR:	Slightly ammoniacal	AUTO IGNITION:	N/A
PH:	8	OXIDISING PROPERTIES:	None known
BOILING POINT:	100°C	DENSITY:	1.02 – 1.05
MELTING POINT:	N/A	(SPECIFY SOLVENT):	None
EXPLOSIVE PROPERTIES:	None known	n-Octanol/Water	
VAPOUR PRESSURE:	Not known		
SOLUBILITY IN WATER:	Soluble		
SOLUBILITY IN SOLVENT:	Insoluble or partially soluble		
PARTITION COEFFICIENT:	Unknown		

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Stable and non-reactive under normal conditions of storage and use. Protect from frost.

#### 10.2. Chemical stability

Stable and non-reactive under normal conditions of storage and use. Protect from frost.

#### 10.3. Possibility of hazardous reactions

Stable and non-reactive under normal conditions of storage and use. Protect from frost.

#### 10.4. Conditions to avoid

Protect from frost.

#### 10.5. Incompatible materials

Strong oxidizing agents

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**LD50 values for the active component (benzyl-C8-18-alkyldimethyl chlorides – 8% in preparation)**

**Acute Toxicity:**

LD50 (Oral): 795 mg/kg - Rat

LD50 (Dermal): 1560 mg/kg – Rat

(thor)

#### EFFECTS OF ACUTE (OVER) EXPOSURE

SKIN:	Reddening at the site of contact with possible itching
EYES:	Severe irritation, watering, stinging with blurred vision
INHALATION:	Due to the low volatility of the product, there is little or no inhalation hazard. Excessive inhalation of spraymist may cause irritation of the nasal passages and mucous membranes with cough.
INGESTION:	Irritation of the gastric tract, abdominal pain, nausea and possibly vomiting.

**No evidence of carcinogenic or mutagenic effects**

## SECTION 12: Ecological information

### 12.1. Toxicity

The active component is fully biodegradable (OECD method 301D shows 60% biodegradation after 28 days) and does not exhibit any bioaccumulation potential.

May be phytotoxic in quantity

LC50 / 96hrs: 1.70mg/l (Fish)

EC50 / 48hrs: 0.03mg/l (Daphnia)

EC50 / 96hrs: 0.67mg/l (Algae)

Avoid release to the environment. Do not contaminate ponds watercourses or ditches with chemical, waste or used containers. Do not empty into drains and avoid surface run-off entering drains

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of in accordance with The Environmental Protection Act 1990, at a waste treatment site approved and licensed by the local authority and operated by a competent, approved and licensed waste disposal contractor.

De-contaminated containers may be sent for re-cycling

Duty of Care waste transfer form should specify: Pesticide product HSE No 7676

EWC: 16 00 00

## SECTION 14: Transport information

PACKAGING GROUP:	III
HAZARD CLASS	8 – HIN 80
UN No:	3265 (Corrosive Liquid, Acidic, Organic N.O.S.)
TREM CARD No:	For UN No
OTHER INFORMATION:	The information relates to bulk shipment only. No restriction on consumer packs. In mixed loads stow apart from food, drink and animal feedstuffs

PRODUCT NAME: PermaPROTECT Mould Wash Concentrate

## SECTION 15: Regulatory information

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

This product has been assessed and classified according to The Chemicals (Hazard Information and Packaging for Supply) Regulations 2003 (CHIPS 3) and The Control of Pesticides Regulations (as amended 1997) (inc Northern Ireland), and ascribed the following risk phrase(s)

R-Phrase(s): 36/38 – Irritating to Eyes and Skin

S-Phrase(s): See attached label

The Control of Substances Hazardous to Health Regulations 2002 will apply to the use of this product at work.

## SECTION 16: Other information

Key to phrases used in section 2.

R21	Harmful in contact with skin
R22	Harmful if swallowed
R34	Causes burns
R50	Very toxic to aquatic organisms

This product is approved for amateur and professional use only as a surface biocide for use as directed on the label.

HSE No 7676

A COPY OF THE PRODUCT LABEL MUST ACCOMPANY THIS SDS

Further reading:

L9 – The Safe Use of Pesticides for Non-Agricultural Use

GS46 – In-Situ Timber Treatments Using Timber Preservatives

L25 – Personal Protective Equipment at Work

EH/40 – Occupational Exposure Limits (revised annually)

The Health and Safety at Work Act 1974

HSG206 – Cost and Effectiveness of Chemical Protection Gloves in the Workplace

HSG71 – The Storage of Packed Dangerous Substances

HSG53 – The Selection, Use and Maintenance of Respiratory Protective Equipment

The Environmental Protection Act 1990

The Collection and Disposal of Waste

Information on these and other relevant publications may be found by contacting the following:

E-mail: [hsebooks@prologue.uk.com](mailto:hsebooks@prologue.uk.com) or [www.hsebooks.co.uk](http://www.hsebooks.co.uk)

Or write to: HSE Books, P.O. Box 1999, Sudbury, Suffolk CO10 2WA (Tel: 01787-881165) and obtain a free copy of the HSE Books catalogue.

This SDS replaces SDS No 037/01/03

THE FOLLOWING SECTIONS SHOW CHANGED OR AMENDED INFORMATION

2, 11, 12, 14, 15 & 16

INFORMATION ON THIS PRODUCT IS HELD ON THE NPIS TOXBASE DATABASE

COMPILED BY: P Parton

NOTICE TO CUSTOMER:

DATE: January 2004

ENSURE ALL POTENTIAL USERS OF THIS PRODUCT ARE AWARE OF THIS SDS PRIOR TO PRODUCT'S USE.

KEEP SDS IN A SAFE PLACE READILY LOCATABLE IN CASE OF FUTURE USE.

READ THIS SDS IN CONJUNCTION WITH ANY LABEL AND DIRECTIONS FOR USE ON THE PRODUCT CONTAINER.

DESTROY ALL OBSOLETE COPIES RELATING TO THIS PRODUCT.

THIS SDS RELATES ONLY TO THE PRODUCT SPECIFIED.

COPIES OF THIS DOCUMENT ARE AVAILABLE ON REQUEST.

THIS SAFETY DATA SHEET IS BASED ON THE BEST OF CURRENT INFORMATION AND ADVICE AVAILABLE TO US AND IS BELIEVED TO BE TRUE AND ACCURATE. NO LIABILITY CAN BE ACCEPTED FOR ANY LOSS, DAMAGE OR INJURY AS CONDITIONS OF USE ARE OUTSIDE OUR CONTROL. THIS IS NOT A TECHNICAL SPECIFICATION.

SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*