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SECTION 1**IDENTITY OF SUBSTANCE****PRODUCT NAME:** ACS MOULD WASH CONCENTRATE

HSE No 7676

DESCRIPTION: WATER DILUTABLE BIOCIDAL WASH FOR CLEANING SURFACES PRIOR TO OVER PAINTING WITH ACS ANTIMOULD OR PROTECTED PAINTS**SECTION 2****COMPOSITION/INFORMATION ON COMPONENTS**

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 Benzyl-C8-18-Alkyldimethyl chlorides	C, Xn, N	21/22, 34, 50	63449-41-2	8%

In aqueous medium

SECTION 3**HAZARD IDENTIFICATION**

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

SECTION 4**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**FIRE FIGHTING MEASURES**

EAC – N/A

EXTINGUISHING MEDIA: Product is a non-combustible aqueous solution

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

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

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

OTHER INFORMATION (FIRE)

None

SECTION 6 ACCIDENTAL RELEASE/SPILLAGE CONTROL MEASURES

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

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/PPE

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/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		

OTHER INFORMATION

None

SECTION 10 STABILITY AND REACTIVITY

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

INCOMPATIBLE SUBSTANCES

Strong oxidizing agents

SECTION 11 TOXICOLOGICAL INFORMATION

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

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 WASTE DISPOSAL

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 PRECAUTIONS

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**

SECTION 15**REGULATORY INFORMATION**

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 or 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

DATE: January 2004

NOTICE TO CUSTOMER:

**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.