

SAFETY DATA SHEET
Conforms to 1907/2006/EC (REACH) Annex II - UK

SDS No. 016/GHS/15

SECTION 1	IDENTITY OF SUBSTANCE OR PREPARATION & COMPANY
------------------	---

COMPANY/UNDERTAKING: Advanced Chemical Specialties Limited

9, Bofors Park, Artillery Road, Yeovil, Somerset, BA22 8YH UK

☎ (+44) 01935-414012. 📠 (+44) 01935-414022. ✉ info@acslimited.co.uk

PRODUCT NAME: ACS MOULD WASH CONCENTRATE

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

Use of substance / preparation: SURFACE BIOCIDES FOR AMATEUR USE AGAINST MOULD FUNGI, MILDEW AND ALGAE ON INTERNAL AND EXTERNAL SURFACES SUCH AS MASONRY, GLASS, TILES, WOOD AND PAINTED SURFACES. STERILIZING WASH PRIOR TO APPLICATION OF ACS ANTIMOULD EMULSION.

1.3 Details of the supplier of the safety data sheet

Advanced Chemical Specialties Ltd

9, Bofors Park, Artillery Road, Yeovil, Somerset, BA22 8YH UK

☎ (+44) 01935-414012. 📠 (+44) 01935-414022. ✉ info@acslimited.co.uk

SECTION 2	HAZARD IDENTIFICATION
------------------	------------------------------

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

2.2 Label elements

Labelling (GHS):



Signal Word:

WARNING

Special identification instructions:

H318 - Causes serious eye damage.

H315 - Causes skin irritation

H400 - Toxic to aquatic life with long lasting effects

2.3 Other hazards

P101 – If medical advice is needed, have product label or container to hand

P102 – Keep out of reach of children

P233 + P234 – Keep in original container tightly closed

P260 – Do not breathe spray

P280 – Wear protective gloves

P302 + P352 – IF ON SKIN: Wash with plenty of soap and water

P333 + P313 – If skin irritation or rash occurs: Get medical advice/attention

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P363 – Wash contaminated clothing before re use

P273 – Avoid release to the environment

P501 – Dispose of contents/container in accordance with local, regional or national regulations

Collect spillage. Dispose of contents/container to an authorised waste site in accordance with local/regional/national regulations.

2.4 Supplementary Statements according to UK Control Of Pesticides Regulations 1986

Wash contaminated clothing before re-use.

FOR USE ONLY AS A SURFACE BIOCIDES

DO NOT CONTAMINATE FOODSTUFFS, EATING UTENSILS OR FOOD CONTACT SURFACES other than outdoor tables. AVOID CONTACT WITH PLANTLIFE. COVER WATER STORAGE TANKS before application.

REMOVE OR COVER FISH TANKS AND BOWLS before application.

ENSURE THERE IS A PHYSICAL BARRIER TO PREVENT CONTACT BY UNPROTECTED PERSONS AND ANIMALS UNTIL TREATED SURFACES ARE DRY.

DO NOT USE NEAR DRAINS. PREVENT SURFACE RUN-OFF ENTERING DRAINS.

Store locked up out of reach of children.

WASH CONTAMINATION from skin and eyes immediately. WASH HANDS AND EXPOSED SKIN before meals and after use.

This product contains substances known to be hazardous to the environment. Do not contaminate ground, waterbodies or watercourses with chemicals or used container.

To avoid risks to man and the environment, comply with the instructions for use.

USE ONLY IN ACCORDANCE WITH THE DIRECTIONS ON THE LABEL.

Contains: Benzalkonium Chloride 8% w/w (80g/l)

THIS PRODUCT IS APPROVED FOR USE UNDER THE CONTROL OF PESTICIDES REGULATIONS FOR USE AS DIRECTED

READ ALL PRECAUTIONS BEFORE USE

HSE No 7676

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not Applicable

3.2 Mixtures

Product/ingredient

Benzyl (C12-C16) alkyl dimethyl chlorides

Identifier

CAS 68424-85-1

% in preparation

8%w/w

R-Phrase (CLP)

H290 – May be corrosive to metals
H302 – Harmful if swallowed
H314 – Causes severe skin burns and eye damage
H410 – Very toxic to aquatic life with long-lasting effects

3.2.1 Chemical characterization (mixtures)

Surface biocide in aqueous medium

SECTION 4 FIRST AID MEASURES

4.1 Description of first aid measures

General information:

In case of accident or if you feel unwell seek medical advice (show label or SDS where possible).

After inhalation:

Unlikely to be a route of exposure unless the product is heated or sprayed as a concentrate.

Provide fresh air. Keep warm and rested. Get medical attention immediately. If not breathing or if breathing is irregular, provide artificial respiration or oxygen by trained personnel.

After contact with the skin:

Remove contaminated clothing and shoes. Wash with plenty of water or water and soap. If irritation occurs, seek medical advice (show label or SDS where possible). Wash contaminated clothing before re-use

After contact with the eyes:

Get medical attention immediately. Rinse immediately with plenty of water, lifting upper and lower eyelids. Check for and remove contact lenses. Seek medical advice in case of continuous irritation. Continue rinsing for at least 15 minutes

After swallowing:

Call poison centre or physician. Do not induce vomiting. Rinse mouth with clean water and seek medical attention. If exposed person is conscious, give small amounts of water to drink. If vomiting occurs, keep the head low to prevent aspiration into the lungs. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

May cause serious eye damage. May cause burns to mouth and throat and stomach pains if swallowed.

4.3 Indication of any immediate medical attention and special treatment needed

In case of inhalation of decomposition product from a fire, effects may be delayed for 48 hours.

Further toxicology information in section 11 must be observed.

SECTION 5

FIRE FIGHTING MEASURES

EAC -

5.1 Extinguishing media

Suitable extinguishing media:

Use extinguishing media suitable for surrounding fire.

Extinguishing media which must not be used for safety reasons:

Waterjet.

5.2 Special hazards arising from the substance or mixture

Heating of unbroken/unopened containers may lead to pressure rise with subsequent risk of bursting. Product and fire water are toxic to aquatic life with long-lasting effects. Prevent fire water entering drains, waterbodies or ditches.

Decomposition products may include:

Oxides of carbon and nitrogen

Halogenated compounds

5.3 Advice for firefighters

Special protective equipment for fire fighting:

Wear suitable protective equipment and self-contained breathing apparatus (SCBA). Clothing for fire fighters conforming the EN469 will provide a good basic level of protection for chemical incidents

SECTION 6 ACCIDENTAL RELEASE / SPILLAGE CONTROL MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wearing personal protection equipment (see section 8), but without taking risks, shut-off the source of the leak or invert containers with the leak uppermost. Keep unprotected persons away. Avoid contact with eyes and skin. Avoid inhaling spray mists. If material is released indicate risk of slipping.

6.2 Environmental precautions

Prevent material from entering surface waters, drains or sewers and soil. Contain any fluid that runs out using suitable material (e.g. vermiculite, earth, dry sand or diatomaceous earth). Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers.

6.3 Methods and material for containment and cleaning up

Do not flush away with water. For small amounts: Absorb with a liquid binding material such as diatomaceous earth, vermiculite or dry sand. Place into a suitable, labelled container and store in a safe place. Dispose of according to local regulations. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. Adsorb with suitable medium as before and place into suitable, labelled container to await disposal.

Further information:

6.4 Reference to other sections

Relevant information in other sections has to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).

SECTION 7

HANDLING AND STORAGE

7.1 Precautions for safe handling

General information:

Wear suitable gloves and eye/face protection when opening and handling container, or when diluting. Take care when mixing after addition to water. Do not open and mix on surfaces where food is or will be prepared, stored or eaten. Keep out of reach of children at all times. Store diluted product in a suitable, labelled container. Never use a food or drink container, even if correctly labelled.

Precautions for safe handling:

Wear suitable gloves and eye/face protection. When using do not eat, drink or smoke.

Precautions against fire and explosion:

Keep apart from fire and exposed flames.

7.2 Conditions for safe storage, including any incompatibilities

Conditions for storage rooms and vessels:

Store in cool, dry conditions away from direct sunlight

Advice for storage of incompatible materials:

Store apart from acids, bases and strong oxidizing agents

Further information for storage:

NONE

Minimum temperature allowed during storage and transportation: 0 °C

Maximum temperature allowed during storage and transportation: 40 °C

7.3 Specific end use(s)

Surface biocide for amateur use against mould fungi, mildew and algae on internal and external surfaces such as masonry, glass, tiles, wood and painted surfaces

SECTION 8

EXPOSURE CONTROLS/PPE

8.1 Control parameters

Maximum airborne concentrations at the workplace:

No data available for the product itself

8.2 Exposure controls

For handling and opening container and mixing into solution

8.2.1 Exposure in the work place limited and controlled

General protection and hygiene measures:

Wash hands and exposed skin before drinks and meals, when using the toilet and after use.

Personal protection equipment:

Respiratory protection:

Not normally required for the product. If spraying diluted use respiratory protection. Combi filter A/P2

Hand protection

Nitrile rubber protective gloves. Protective gloves made of butyl rubber. Gloves suitable for up to 60 minutes use.

Eye protection

Suitably CE marked safety glasses or face protection

8.2.2 Exposure to the environment limited and controlled

Prevent material entering drains, watercourses and soil.

SECTION 9

PHYSICAL / CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

General information:

Physical state / form.....: liquid
 Colour: clear
 Odour: slight

Important information about the protection of health, safety and the environment:

Property:	Value:	Method:
Melting point / melting range	1 °C	
Boiling point / boiling range	100 °C	
Flash point.....	Not applicable	
Sustained combustibility.....	Not applicable	
Ignition temperature	Not determined	
Lower explosion limit (LEL)	no data available	
Upper explosion limit (UEL).....	no data available	
Vapour pressure.....	23 hPa at 20 °C	
Density	1.00 g/cm ³	
Water solubility / miscibility.....	completely miscible	
pH-Value	approx. 8-9 (concentrate only)	
Viscosity (dynamic)	Not Determined	
9.2 Other information		
None		

SECTION 10	STABILITY AND REACTIVITY
-------------------	---------------------------------

10.1 – 10.3 Reactivity; Chemical stability; Possibility of hazardous reactions

If stored and handled in accordance with standard industrial practices no hazardous reactions are known. Relevant information can possibly be found in other parts of this section.

10.4 Conditions to avoid

None known.

10.5 Incompatible materials

May react with: acids and alkalis.

10.6 Hazardous decomposition products

None Known

SECTION 11	TOXICOLOGICAL INFORMATION
-------------------	----------------------------------

11.1 Information on toxicological effects**11.1.1 Acute toxicity****Assessment:**

No data on acute inhalation toxicity is available for this product. In case of aerosol formation do not breathe spraymist

Acute toxicity estimate (ATE):

For this endpoint no toxicological test data is available for the whole product

11.1.2 Skin corrosion/irritation**Assessment:**

Causes skin irritation

11.1.3 Serious eye damage / eye irritation**Assessment:**

Causes serious eye damage.

11.1.4 Respiratory or skin sensitization**Assessment:**

No data is available for the product. Product does not contain any recognized skin or respiratory sensitizing agents

11.1.5 Germ cell mutagenicity**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

11.1.6 Carcinogenicity**Assessment:**

Product contains no recognized carcinogenic material

11.1.7 Reproductive toxicity**Assessment:**

Product contains no recognized reprotoxicant material

11.1.8 Specific target organ toxicity (single exposure)**Assessment:**

Active substance assessment shows criteria for hazard classes STOT SE and STOT RE have not be fulfilled

11.1.9 Specific target organ toxicity (repeated exposure)**Assessment:**

See 11.1.8.

11.1.10 Aspiration hazard**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

11.1.11 Further toxicological information

None

11.1.11 Further toxicological information

SECTION 12**ECOLOGICAL INFORMATION****12.1 Toxicity****Assessment:**

According to current knowledge adverse effects on water purification plants are not expected. The active ingredient (benzyl (C12-C16 alkyl dimethyl chlorides) are biodegradable/eliminable in activated sludge units

12.2 Persistence and degradability**Assessment:**

The product contains no materials known to be persistent in soil. The active ingredient (benzyl (C12-C16 alkyl dimethyl chlorides) are rapidly biodegradable.

12.3 Bioaccumulative potential**Assessment:**

Bioaccumulation is not expected to occur

12.4 Mobility in soil**Assessment:**

Separation by sedimentation.

12.5 Results of PBT and vPvB assessment

The active ingredient does not contain substances that meet the PBT criteria or v-PvB criteria of REACH annex XIII

12.6 Other adverse effects

None known

SECTION 13**WASTE DISPOSAL****13.1 Waste treatment methods****13.1.1 Material****Recommendation:**

Dispose of according to regulations by incineration in a special waste incinerator.

13.1.2 Un-cleaned packaging**Recommendation:**

Completely empty containers (no residues, no liquid remaining and rinsed carefully) may be recycled or re-used. Observe local/regional/national regulations.

13.1.3 Waste Disposal Legislation Ref No. (EC).

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 an approved, competent and licensed waste disposal contractor.

Duty of care waste transfer form should specify: EWC (European Waste Code): 16-00-00 or 16-03-05

SECTION 14**TRANSPORT PRECAUTIONS****14.1 – 14.4 UN number; UN proper shipping name; Transport hazard class(es); Packing group**

This information relates to the active ingredient only. The solution as supplied is classified as non-hazardous for transportation in 250ml packs. The following information relates to non EQ loads for drums

Road ADR:

Valuation: UN No 1760 - Packing Group III

Railway RID:

Valuation: UN No 1760 - Packing Group III

Transport by sea IMDG-Code:

Valuation: UN No 1760 - Packing Group III – EMS F-A, S-B

Air transport ICAO-TI/IATA-DGR:

Valuation: UN No 1760 - Packing Group III

14.5 Environmental hazards

Possible marine pollutant. For all transport methods environmentally hazardous substance or marine pollutant marks are not require on pack of <5.0lt or <5.0kg

14.6 Special precautions for user

None

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

Bulk transport in tankers is not intended.

SECTION 15**REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

National and local regulations must be observed.

For information on labelling please refer to section 2 of this document.

Relevant regulations:

SI 2002/1689: CHIP Regulations 2002

SI 2002/2677: COSHH Regulations 2002

SI 1999/3242: Management of Health & Safety at Work Regulations 1999

Health & Safety at Work Act 1974

SI 1993/1643: Environmental Protection Act 1993 & Subsidiary Regulations.

Other national and local measures relating to the workplace, pollution control, environmental protection and waste control.

15.2 Chemical safety assessment

A chemical safety assessment according to (EC) regulation 1907/2006 (REACH) has not been carried out for this product.

SECTION 16**OTHER INFORMATION****Key to risk phrases used in section 2.**

- P101 – If medical advice is needed, have product label or container to hand
 P102 – Keep out of reach of children
 P233 + P234 – Keep in original container tightly closed
 P260 – Do not breathe spray
 P280 – Wear protective gloves
 P302 + P352 – IF ON SKIN: Wash with plenty of soap and water
 P333 + P313 – If skin irritation or rash occurs: Get medical advice/attention
 P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P363 – Wash contaminated clothing before re use
 P273 – Avoid release to the environment

Further reading:

- L25 – Personal Protective Equipment at Work
 EH/40 – Occupational Exposure Limits (revised annually)
 The Health & Safety at Work Act 1974
 HSG206 – Cost Effectiveness of Chemical Protective Gloves for the Workplace
 HSG53 – The Selection, Use and Maintenance of Respiratory Protective Equipment
 The Environmental Protection Act 1990
 The Collection and Disposal of Waste Regulations
 L5 – The Control of Substances Hazardous to Health Regulations 2003 Approved Code of Practice

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

Alternatively, most Approved Codes of practice are now available to download for free: visit www.hse.gov.uk or www.businesslink.gov.uk and click on 'Workplace Health and safety'

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.

The Health and safety Executive can also keep you regularly updated with new legislation and HSE news by going to:

www.hse.gov.uk and following the links to the e-Bulletins

THE FOLLOWING SECTIONS SHOW CHANGED OR AMENDED INFORMATION:

Revised from first issue. All sections show changes

COMPILED BY: P Parton

DATE: October 2015

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.