

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

SDS No. 007/16/GHS

<b>SECTION 1</b>	<b>IDENTITY OF SUBSTANCE OR PREPARATION &amp; COMPANY</b>
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**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](mailto:info@acslimited.co.uk)

**PRODUCT NAME:** ACS MOULD ERADICATION ADDITIVE

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

Use of substance / preparation:

FUNGICIDAL ADDITIVE FOR PAINTS AND SURFACE COATINGS FOR COMMERCIAL, INDUSTRIAL AND DOMESTIC USE IN WATER AND SOLVENT-BORNE COATINGS.

BIOCIDAL PAINT PRODUCT HSE No 8627

**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](mailto:info@acslimited.co.uk)

<b>SECTION 2</b>	<b>HAZARD IDENTIFICATION</b>
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**2.1 Classification of the substance or mixture**

MIXTURE

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

**2.2 Label elements**

**Labelling (GHS):**



**Signal Word:** WARNING

**Special identification instructions:**

H302 – Harmful if swallowed  
H332 – Harmful if inhaled  
H315 - Causes skin irritation  
H317 – May cause an allergic skin reaction  
H318 - Causes serious eye damage  
H400 – Very toxic to aquatic life  
H410 - Very 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

**Supplementary Statements according to Control of Pesticides Regulations (COPR) 1986**

This product contains substances, which are known to be hazardous to the environment. Do not contaminate ground, waterbodies or watercourses with chemicals or used container. DO NOT CONTAMINATE FOODSTUFFS, EATING UTENSILS OR FOOD CONTACT SURFACES. ENSURE THERE IS A PHYSICAL BARRIER TO PREVENT CONTACT BY UNPROTECTED PERSONS AND ANIMALS UNTIL TREATED SURFACE ARE DRY. COVER WATER STORAGE TANKS before application. DO NOT USE NEAR DRAINS, PREVENT SURFACE RUN-OFF FROM ENTERING DRAINS. REMOVE OR COVER FISH TANKS AND BOWLS before application. AVOID ALL CONTACT WITH PLANTLIFE.

Wash with soap and water thoroughly after handling. Wear protective gloves, protective clothing and eye/face protection.

If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before re-use.

Avoid release to the environment. Collect spillage. Dispose of contents in accordance with local, regional or national regulations.

This product is approved under The Control of Pesticides Regulations 1986 (as amended) for use as directed.

WASH HANDS AND EXPOSED SKIN before meals and after use. KEEP IN A SAFE PLACE. Keep out of reach of children. VENTILATE TREATED AREAS THOROUGHLY after application.

3-iodo-2-propynyl-n-butyl carbamate is a carbamate compound, which has weak anticholinesterase activity. DO NOT USE if under medical advice not to work with anticholinesterase compounds.

Use only in accordance with the directions on the label

HSE No 8627

Contains: 3-iodo-2-propynyl-n-butyl carbamate 14.85%

## SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

NOT APPLICABLE

### 3.2 Mixtures

#### Product/ingredient

3-iodo-2-propynyl BUTYLCARBAMATE

#### Identifier

CAS No 55406-53-6

#### % in preparation

25%(w/w) 14.85% a.i.

#### R-Phrase (CLP)

H302-Harmful if swallowed  
H332-Harmful if inhaled  
H318-Causes serious eye damage  
H317-may cause an allergic skin reaction  
H335-May cause respiratory irritation  
H400-Very toxic to aquatic life  
H410-Very toxic to aquatic life with long lasting effects

### 3.2.1 Chemical characterization (preparation)

BIOCIDAL PAINT PRODUCT

## 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.

## 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 adding to paint product. Take care when stirring after addition to paint. 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.

**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)**

Biocidal paint additive to control mould fungi on painted surfaces such as masonry and tiles.

**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 additive container and mixing into paint medium

**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 paint containing additive 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 .....: yellow/amber

Odour .....: slight

**Important information about the protection of health, safety and the environment:****Property:****Value:****Method:**

Melting point / melting range .....: Not determined

Boiling point / boiling range .....: 180 °C approx

Flash point.....: >100 °C

Sustained combustibility.....: Not determined

Ignition temperature .....: Not determined

Lower explosion limit (LEL) .....: No data available

Upper explosion limit (UEL).....:	No data available
Vapour pressure.....:	Not determined
Density .....	1.09 – 1.11g/cm <sup>3</sup>
Water solubility / miscibility.....:	completely miscible
pH-Value .....	approx. 7-8
Viscosity (dynamic) .....	Not Determined

**9.2 Other information**

None

<b>SECTION 10</b>	<b>STABILITY AND REACTIVITY</b>
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**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

<b>SECTION 11</b>	<b>TOXICOLOGICAL INFORMATION</b>
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**11.1 Information on toxicological effects****THIS INFORMATION RELATES TO THE ACTIVE INGREDIENT ONLY -****3-iodo-2-propynyl butylcarbamate**

Test	Species	Dose	Exposure
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**11.1.1 Acute toxicity****Assessment:**

LD <sub>50</sub> dermal	Rat	>2000mg/kg	-
LD <sub>50</sub> Oral	Rat	4100mg/kg	-
LD <sub>50</sub> dermal	Rabbit	>2000mg/kg	-

**Acute toxicity estimate (ATE):**

Inhalation (dusts &amp; mists) – ATE Value: 5,005mg/l

**11.1.2 Skin corrosion/irritation****Assessment:**

Target	Species	Result
Skin	Rabbit	Irritant

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

Eye	Rabbit	Severe Irritant
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**11.1.4 Respiratory or skin sensitization****Assessment:**

Target	Species	Result
Buehler test (OECD 406, EU B6)	Guinea Pig	Not sensitizing

**11.1.5 Germ cell mutagenicity****Assessment:**

Test	Species	Result
In-vitro	bacteria	Negative

**11.1.6 Carcinogenicity****Assessment:**

For this endpoint no toxicological test data is available for the whole product. Product contains no recognized carcinogenic material

**11.1.7 Reproductive toxicity****Assessment:**

Species	Dose	Exposure	Development Toxin
Rabbit – Female	50mg/kg oral	13days	Negative
Rabbit – Female	20mg/kg oral	13 days	Negative

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

Category	Route of Exposure	Target Organ(s)
Cat 3	Not Applicable	Respiratory tract irritation

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

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

**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**

NOAEL

Result	Species	Dose	Exposure
Sub Chronic Oral	Rat	35mg/kg	90-days

Chronic Oral	Rat	20mg/kg	2-Years
Sub Chronic Dermal	Rat	200mg/kg	90-Days
Inhalation – Vapour	Rat	1,16mg/m <sup>3</sup>	90-days

**SECTION 12****ECOLOGICAL INFORMATION****12.1 Toxicity****Assessment:****12.2 Persistence and degradability****Assessment:**

The product contains no materials known to be persistent in soil.

**12.3 Bioaccumulative potential****Assessment:**

Bioaccumulation is not expected to occur (LogP<sub>ow</sub> – 2.81)

**12.4 Mobility in soil****Assessment:**

Separation by sedimentation is probable.

**12.5 Results of PBT and vPvB assessment**

Not applicable

**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 or at a waste site controlled by license in accordance with local, regional or national regulations.

**13.1.2 Un-cleaned packaging****Recommendation:**

Rinse containers with clean water and add to the paint to be treated. Clean packaging may be disposed of as inert industrial waste

**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): 08 01 12

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

The following information relates to non EQ loads for drums

**Road ADR:**

Valuation .....: UN No 3082 – Packaging Group III – Hazard Class 9 – Tunnel code: (E)

**Railway RID:**

Valuation .....: UN No 3082 – Packaging Group III – Hazard Class 9 – Tunnel code: (E)

**Transport by sea IMDG-Code:**

Valuation .....: UN No 3082 – Packaging Group III – Hazard Class 9 – EmS F-A S-F

**Air transport ICAO-TI/IATA-DGR:**

Valuation .....: UN No 3082 – Packaging Group III – Hazard Class 9

**14.5 Environmental hazards**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE N.O.S.

**14.6 Special precautions for user**

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

**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.

**Key to risk phrases used in section 2.**

H315 - Causes skin irritation

H318 - Causes serious eye damage

H410 - Very toxic to aquatic life with long lasting effects

## Further reading:

L25 – Personal Protective Equipment at Work

EH/40 – Occupational Exposure Limits (revised annually)

The Health &amp; 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](mailto:hsebooks@prologue.uk.com) or [www.hsebooks.co.uk](http://www.hsebooks.co.uk)Alternatively, most Approved Codes of practice are now available to download for free: visit [www.hse.gov.uk](http://www.hse.gov.uk) or [www.businesslink.gov.uk](http://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](http://www.hse.gov.uk) and following the links to the e-Bulletins**THE FOLLOWING SECTIONS SHOW CHANGED OR AMENDED INFORMATION:**

Revised from first issue. 2, 3, 11

**COMPILED BY:** P Parton**DATE:** JANUARY 2016**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.**

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