

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

SDS No. 020/GHS/15

SECTION 1	IDENTITY OF SUBSTANCE OR PREPARATION & COMPANY
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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

PRODUCT NAME: ACS TIMBER TREAT

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

Use of substance / preparation: TIMBER PRESERVATIVE FOR EXTERIOR USE

1.3 Details of the supplier of the safety data sheet

Advanced Chemical Specialties Ltd

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SECTION 2	HAZARD IDENTIFICATION
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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:

NONE

Special identification instructions:

Aquatic Chronic 3 – H412

2.3 Other hazards

Supplementary Statements according to The Biocidal Products Regulations 2001 (Northern Ireland 2001)

Keep out of reach of children

The product is for use on timbers not in ground contact, either continually exposed to weather or protected from weather, but subject to frequent wetting. Not for indoor application. Treated timber must not be used in exterior situations where it is in contact with the ground and permanently exposed to wetting, or in permanent contact with fresh or salt water. During application to in-situ timbers and whilst surfaces are drying, do not contaminate soil or surface waters with product. In situations where it would be exposed to weather, this product must always be overcoated with an appropriate triazole-free wood finish after drying of the treated timber. Do not contaminate foodstuffs, eating utensils or food contact surfaces. Wash hands and exposed skin before meals and after use. Keep in a safe place. Do not contaminate plantlife and cover fish pond before application. Unprotected persons and animals should be kept away from treated areas for 48 hours or until surfaces are dry. Cover water storage tanks before application.

Dangerous to bats. All bats are protected under the wildlife and countryside act 1981. Before treating any structure used by bats, consult Natural England, Scottish Natural Heritage or the Countryside Council for Wales.

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.

Contains IPBC – may produce an allergic reaction.

This material and its container must be disposed of in a safe way

Do not empty into drains

Do not contaminate ground, waterbodies or watercourses with chemicals or used container.

After skin contact: wash thoroughly with soap and water or use a recognized skin cleaner. Remove contaminated clothing and shoes. Get medical attention if symptoms occur – show this container or label.

After contact with eyes: immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Continue to rinse for at least 10 minutes. Get medical advice if symptoms occur.

If swallowed: if material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if exposed person feels sick as vomiting may be dangerous. Do not induce vomiting. If vomiting occurs, the head should be kept low so that the vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in the recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as tie, collar, belt and waistband

Store product is tightly closed original containers at temperatures above 0 °C and 30 °C

UK authorization number: UK 2012-0496 for use class 2 and class 3

SECTION 3	COMPOSITION/INFORMATION ON INGREDIENTS
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3.1 Substances

Not applicable

3.2 Mixtures**Contains:**

Product/ingredient	Identifier	% in preparation	R-Phrase (CLP)
3-iodo-2-propynyl butyl Carbamate	CAS 55406-53-6	0.7%w/w	H315 – Skin Irrit 2 H319 – Eye Irrit 2 H335 – STOT SE 3 (Respiratory Tract) H412 – Aquatic Chronic 3
Tebuconazol	CAS 603-197-00-7	0.4% w/w	H302 – Acute Tox 4 H361d – Repr 2 (Unborn Child) H411 – Aquatic Chronic 1

3.2.1 Chemical characterization (mixtures)

Timber preservative PT8

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:

Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as collar, tie, belt or waistband.

After contact with the skin:

Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners. If symptoms occur seek medical attention

After contact with the eyes:

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.

After swallowing:

Remove to fresh air. Do not induce vomiting. Keep patient warm and rested. If material has been swallowed and the person is conscious, give small quantities of water to drink. Never give anything by mouth to an unconscious person. Stop if the person feels sick as vomiting may be dangerous. If vomiting occurs allow the person to vomit freely, keeping their head low to avoid allowing vomit into the lungs. If unconscious place person in the recovery position and get medical attention immediately. Maintain an open airway and loosen clothing as above (inhalation)

4.2 Most important symptoms and effects, both acute and delayed

Any relevant information can be found in other parts of this section.

4.3 Indication of any immediate medical attention and special treatment needed

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 the surrounding fire

Extinguishing media which must not be used for safety reasons:

None known

5.2 Special hazards arising from the substance or mixture

Fire will produce dense black smoke. Hazardous decomposition products: carbon Monoxide, carbon dioxide and oxides of nitrogen. Do not allow extinguishing water to enter sewerage, the soil or inshore waters. Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses. Heating of unbroken containers may lead to pressure rise with the subsequent risk of bursting. Keep containers that are exposed to fire cool by spraying with water.

5.3 Advice for firefighters**Special protective equipment for fire fighting:**

Appropriate breathing apparatus may be required. Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen

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. 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, regional or national regulations. Clean any slippery areas that remains using a detergent / soap solution or another biodegradable cleaner.

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:

Precautions for safe handling:

Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous.

Precautions against fire and explosion:

No special requirements.

7.2 Conditions for safe storage, including any incompatibilities

Conditions for storage rooms and vessels:

Do not store above the following temperature: 30 °C (86 °F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Advice for storage of incompatible materials:

Further information for storage:

Minimum temperature allowed during storage and transportation: 5 °C

Maximum temperature allowed during storage and transportation: 30 °C

7.3 Specific end use(s)

No specific end use instructions – See supplementary safety precautions.

SECTION 8

EXPOSURE CONTROLS/PPE

8.1 Control parameters

Maximum airborne concentrations at the workplace:

There is no data available on the product itself

8.2 Exposure controls

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres – General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

8.2.1 Exposure in the work place limited and controlled

General protection and hygiene measures:

If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Personal protection equipment:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: Wear protective clothing. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection:

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended: Full mask with type ABEK filter

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. After contamination with product change the gloves immediately and dispose of them according to relevant national and local regulations Recommended: (< 1 hour) Butyl rubber - IIR , Fluorinated rubber - FKM or Polyvinyl chloride - PVC

Eye protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. Recommended: safety glasses with side-shields

8.2.2 Exposure to the environment limited and controlled

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9	PHYSICAL / CHEMICAL PROPERTIES
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9.1 Information on basic physical and chemical properties**General information:**

Physical state / form.....:liquid
 Colour:opaque/amber
 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.....	:>100°	
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	:1.005 g/cm ³	
Water solubility / miscibility.....	:completely miscible	
pH-Value	:approx. 6-7	
Viscosity (dynamic)	:5mPa.s	

9.2 Other information

None

SECTION 10	STABILITY AND REACTIVITY
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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

SECTION 11	TOXICOLOGICAL INFORMATION
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11.1 Information on toxicological effects**11.1.1 Acute toxicity****Assessment:**

No data on acute inhalation toxicity is available for this product

Acute toxicity estimate (ATE):

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

11.1.2 Skin corrosion/irritation**Assessment:**

No known significant effects or critical hazards.

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

No known significant effects or critical hazards

11.1.4 Respiratory or skin sensitization**Assessment:**

No known significant effects or critical hazards. In case of aerosol formation do not breathe spraymist

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:**

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:**

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

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

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

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

3-iodoprop-2-ynyl butylcarbamate-

Acute EC50 0,21 mg/l

Daphnia –Daphnia magna 48 hours.

Acute EC50 44 mg/l

Bacteria – Activated sludge 3 hours

Acute IC50 0,026 mg/l Algae

Desmodesmus subspicatus 72 hours

tebuconazole -

Acute EC50 2,79 mg/l Daphnia

Daphnia magna 48 hours

Acute IC50 3,8 mg/l Algae

Pseudokirchneriella subcapitata 72 hours

Acute LC50 4,4 mg/l Fish

Oncorhynchus mykiss 96 hours

Chronic NOEC 0,01 mg/l

Daphnia-Daphnia magna 21 days

12.2 Persistence and degradability**Assessment:**

3-iodo-2-propynyl butylcarbamate

Readily

Freshwater

tebuconazole

Not readily.

Freshwater

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

Not applicable.

12.6 Other adverse effects

None known

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

Recommendation:

Examine possibilities for re-utilisation. Product residues and uncleaned empty containers should be packaged, sealed, labelled, and disposed of or recycled according to relevant national and local regulations. Where large quantities are concerned, consult the supplier. When uncleaned empty containers are passed on, the recipient must be warned of any possible hazard that may be caused by residues. For disposal within the EC, the appropriate code according to the European Waste List (EWL) should be used. It is among the tasks of the polluter to assign the waste to waste codes specific to industrial sectors and processes according to the European Waste List (EWL).

13.1.2 Un-cleaned packaging

Recommendation:

Completely empty containers (no residues, no liquid remaining, rinsed carefully). Containers 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):16.03.05

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

Not applicable

Railway RID:

Not applicable

Transport by sea IMDG-Code:

Not applicable

Air transport ICAO-TI/IATA-DGR:

Not applicable

14.5 Environmental hazards**14.6 Special precautions for user****14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not dangerous cargo. Avoid heat above +30 °C. Avoid temperatures below 0 °C. Has a slight odour. Keep separated from foodstuffs.

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.**

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 (Respiratory tract irritation) May cause respiratory irritation. (Respiratory tract irritation)

H361d (Unborn child) Suspected of damaging the unborn child

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects

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:

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.

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