SAFETY DATA SHEET

Allcosil 60 B

1 IDENTIFICATION OF SUBSTANCE

1.1 Product Identifier:
Identification on the label/ Trade name: Allcosil 60 B

1.2 Relevant Identified uses of the substance and uses advised against:

1.2.1 Identified uses:
Mould release agent and lubricant.

1.2.2 Uses advised against:
Not available.

1.3 Details of the Supplier of the material safety data sheet:

J. Allcock & Sons Ltd.,
Textile Street,
West Gorton,
Manchester,
M12 5DL.

Email: ja@allcocks.co.uk
Tel: +44 (0)161 223 7181
Fax: + 44 (0)161 223 0173

1.4 Emergency telephone number: +44 (0)161 223 7181

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

Serious eye damage/eye irritation	**Category 1 – (H318)**

2.2 Label Elements:

Signal word: DANGER

Hazard statement: H318 – Causes serious eye damage
EUH208 – Contains 2-octyl-2H-isothiazol-3-one. May produce an allergic reaction

Precautionary statements - EU (§28, 1272/2008)
P80 – Wear protective gloves/ protective clothing/ eye protection/ face protection
P305 + P351 + P338 – IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing
P310 – Immediately call a POISON CENTRE or doctor.

2.3 Other hazards
Harmful to aquatic life.

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance/Mixture:
The product in question is a mixture.

3.2 Ingredients:

Chemical name	EC No	CAS No	REACH registration No	Classification according to Regulaion (EC) No. 1272/2008 [CLP]	Weight - %
Isotridecanol, branched, ethoxylated	No data available	69011-36-5	No data available	Eye Dam. 1 (H318) Aquatic Chronic (H412) Acute Tox. 4 (H302)	1 – 5
Bronopol	200-143-0	52-51-7	No data available	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Dam 1 (H318) Acute Tox. 4 (H302 + H312) Aquatic Acute (H400) Aquatic Chronic (H410	<0.1
2-octyl-2H-isothiazol-3-one	247-761-7	26530-20-1	No data available	Skin Corr. 1B (H314) Eye Dam. 1 (H318) Skin Sens. 1A (H317) Acute Tox. 4 (H302) Acute Tox. 3 (H311 + H331) Aquatic Acute (H400) Aquatic Chronic (H410)	<0.1

4 FIRST-AID MEASURES

4.1 Description of first aid measures:

General Advice: Immediate medical attention is required

Inhalation: Remove to fresh air

Skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Rub greasy ointment into the skin.

Eye contact: Immediately flush with plenty of water while removing any contact lenses and continue to flushing for at least 15 minutes. Immediate medical attention is required.

Ingestion: Clean mouth with water and drink plenty of water afterwards

4.2 Most important symptoms and effect, both acute and delayed:

Allergic skin reaction/ Causes serious eye damage

4.3 Indication of any immediate medical attention and special treatment needed:

Not applicable.

5 FIRE-FIGHTING MEASURES

5.1 Extinguishing Media:

Suitable extinguishing media: Carbon Disoxide (CO2), Extinguishing powder. Alcohol resistant foam, Cool containers with flooding quantities of water until well after fire is out.

Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire.

5.2 Specific Hazards arising from the substance or mixture:

In case of fire may be liberated: Carbon dioxide (CO_2), carbon monoxide, nitrogen oxides (NOx). Formaldehyde

5.3 Advice for fire-fighters:

Do not inhale explosion and combustion gases. Use water spray jet to protect personnel and to cool endangered containers. Wear a self-contained breathing apparatus and chemical protective clothing.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Special danger of slipping by leaking/spilling product. See protective measures under point 7 and 8.

6.2 Environmental precautions:

In case of gas escape or of entry into waterway, soil or drains, inform the responsible authorities.

6.3 Methods of containment and cleaning up:

Absorbs onto material and dispose of in suitable closed containers.
Absorbent materials: Sand, Kieselghur, universal binder sawdust.

6.4 Reference to other sections:

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling:

Ensure adequate ventilation, especially in confined areas. Do not breathe gas/fumes/vapour/spray. Use personal protective equipment as required. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Avoid contact with skin, eyes or clothing.

7.2 Conditions for safe storage, including any incompatibilities:

Keep the packing dry and well-sealed to prevent contamination and absorption of humidity. Never use pressure to empty container.
Storage class: 10

7.3 Specific end use(s):

Risk Management Methods (RMM): - the information required is in this Safety Data Sheet.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

Chemical name	European Union	United Kingdom	Austria	Switzerland	Germany
Bronopol (52-53-7)	No data available	No data available	No data available	No data available	Skin
2-ocytl-2H-isothiazol-3-one (26530-20-1)	No data available	No data available	Skin: STEL 0.05mg/m³ TWA 0.05mg/m³ Ceiling 0.05mg/m³	Skin: STEL 0.1mg/m³ TWA 0.05mg/m³	Skin: STEL 0.05mg/m³ Ceiling: 10ppm Ceiling: 54 mg/m³

8.2 Exposure controls:

Engineering controls: Eyewash stations

Eye/face protection: Tight sealing safety goggles

Hand protection: Wear protective nitrile rubber gloves. Glove thickness > 0.4mm. Breakthrough time: > 8 hours. To protect the wearer, gloves must be the correct fit and be used properly. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough times of specific gloves. Gloves must conform to standard EN 3

Skin and body protection: Suitable protective clothing. For information on gloves see previous.

Respiratory protection: non under normal use conditions.

8.3 Environmental exposure controls:

Local authorities should be advised if significant spillages cannot be contained.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Physical state:		Liquid
Colour:		White
Odour:		Characteristic
pH:		Not available.
Melting point/range (°C):		Not available.
Boiling point/range (°C):	@760 mmHg	100
Flash point (°C):		> 100
Evaporation rate:		Not applicable.
Flammability (soild,gas):		Not available.
Ignition temperature (°C):		Not available.
Upper/lower flammability/explosive limits:		Not available.
Vapour pressure (hPa):	@ 20°C	Not available.
Vapour density:		Not available.
Relative Density (g cm^{-3})	@ 25°C	0.98
Solubility:	@ 20°C	100 Wt %
Auto-ignition temperature (°C):		Not available.
Decomposition temperature (°C):		Not available.
Viscosity (mm^2 s^{-1}, cSt):	@ 25°C	Not available.

9.2 Other information:

Not available.

10 STABILITY AND REACTIVITY

10.1 Reactivity:

No information available.

10.2 Chemical stability:

No information available.

10.3 Possibility of hazardous reactions:

No information available.

10.4 Conditions to avoid:

No information available.

10.5 Incompatible materials:

Exothermic reaction with Oxidising agent, Strong acid and Strong Alkali

10.6 Hazardous decomposition products:

Decomposition with: Carbon dioxide (CO_2), Carbon monoxide, Nitrogen oxides (NOx). If this product is heated to > 150 °C, trace quantities of formaldehyde may be release, and adequate ventilation is required.

11.1 Information on toxicological effects:

Acute toxicity:

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isotridecanol, branched, ethoxylated	>300 – 2000mg/kg (Rat)	>2000 mg/kg (Rabbit)	No data available
Bronopol	Approx.. 305 mg/kg (Rat OECD 401)	>2000 mg/kg (Rat OECD 402)	> 0.588 mg/l (Rat 4h)
2-octyl-2H-isothiazol-3-one	= 550 mg/kg (Rat)	= 690 mg/kg (Rabbit)	No data available

11 TOXICOLOGICAL INFORMATION

Skin corrosion/irritation:
Not available.
Serious eye damage/irritation:
Not available.
Respiratory or skin sensitization:
Not available.
Germ cell mutagenicity:
Not available.
Carcinogenicity:
Not available.
Reproductive toxicity:
Not available.
STOT- single exposure:
Not available.
STOT- repeated exposure:
Not available.
Aspiration hazard:
Not available.

12 ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

Aquatic Toxicity

Harmless to aquatic organism up to tested concentration,

Chemical name	Algae/aquatic plants	Fish	Crustacea
Isotridecanol, branched, ethoxylated	EC50: >1 – 10 mg/l (Desmodesmus subspicatus 72h OECD 201); EC10: >0.1 – 1 mg/l (72h)	LC50: >1 -10 mg/l (Cyprinus carpio 96h OECD 03); LC50: >1 – 10 mg/l (Leuciscus idus 96h DIN 38412-15); NOEC: approx. 1.73 mg/l	EC50: >1 – 10 mg/l (Daphina magna 48h OECD 202); NOEC: approx. 1.36 mg/l (Daphnia magna 504h)
Bronopol	EC50: approx. 0.068mg/l (72h OECD 201); NOEC: approx. 0.0025mg/l (72h OECD 201)	LC50: approx. 3 mg/l (Oncorhynchus mykiss 96h OECD 203); NOEC: approx. 2.61 mg/l (Oncorhynchus mykiss 504h OECD 210)	EC50: approx. 1.04 mg/l (Daphnia magna 48h OECD 202); NOEC: approx. 0.06mg/l (Daphnia magna 672h OECD 211)
2-octyl-2H-isothoazol-3-one	EC50: approx. 0.084 mg/l (Scenedesmus subspicatus 72h OECD 201); NOEC: approx. 0.004 mg/l (72h OECD 201)	LC50: approx. 0.036mg/l (Oncorhynchus mykiss 96h OECD 203); NOEC: approx. 0.022 mg/l (Oncorhynchus mykiss 672h OECD 210)	EC50: approx. 0.42 mg/l (Daphnia magna 48h OECD 202); NOEC: approx. 0.0002mg/l (Daphnia magna 504h OECD 211)

12.2 Persistence and degradability:

Chemical name	Biodegradation
Isotridecanol, branched, ethoxylated (69011-36-5)	Biodegradation: >60 % (672h OECD 301B)
Bronopol (52-51-7)	Biodegradation: > 70% (OECD 301B), 63.5% (OECD 314)

12.3 Bioaccumulative potential:

Chemical name	Partition coefficient
Bronopol	0.38
2-octyl-2H-isothiazol-3-one	2.92

13 DISPOSAL CONSIDERATIONS

13. 1 Waste treatment methods:

13.1.1 Methods of disposal:

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

13.1.2 European waste catalogue (EWC):

Do not allow to enter drains or watercourses. Dispose of according to all federal, state and local applicable regulations. The European Waste Catalogue classification of this product, when disposed of as waste, is: 08 03 13 waste ink other than those mentioned in 08 03 12 If this product is mixed with other wastes, this code may no longer apply. If mixed with other wastes, the appropriate code should be assigned. For further information, contact your local waste authority.

13.1.3 Hazardous waste: No.

13.2 Product/ Packaging disposal:

Not available.

14 TRANSPORT INFORMATION

14.1 UN-no:

No dangerous good in sense of this transport regulation.

14.2 Transport hazard class(es)

14.2.1 RID/ADR:

Not subject to ADR/RID.

14.2.2 IMDG:

Not subject to IMDG code.

14.2.3 IATA/ICAO:

Not subject to IATA regulations..

15 REGULATORY INFORMATION

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

15.1.1 Water hazard class (WGK):

Slightly hazardous to water (WGK 1) **Storage class: 10**

European Union: Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

15.2 Chemical safety assessment:

Chemical safety assessments for substances in this mixture were not carried out..

16 OTHER INFORMATION

16.1 Relevant R-, H-phrases (Number and full text):

H302:	Harmful if swallowed.
H311:	Toxic in contact with skin
H314:	Causes severe skin burns and eye damage
H317:	May cause an allergic skin reaction
H331:	Toxic if inhaled
H400:	Very toxici to aquatic life
H410:	Very toxic to aquatic life with long lasting effects
H312:	Harmful in contact with skin
H315:	Causes skin irritation
H318:	Causes serious eye damage.
H335:	May cause respiratory irritation
H361f:	Suspected of damaging fertility

H226:	Flammable luiquid and vapour
H413:	May cause long lasting harmful effects to aquatic life.

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For any further information please contact **J. Allcock & Sons Ltd.**

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