SAFETY DATA SHEET

Allcosil 0.65

1 IDENTIFICATION OF SUBSTANCE

1.1 Product Identifier:
Identification on the label/ Trade name: Allcosil 0.65
1.2 Relevant Identified uses of the substance and uses advised against:
1.2.1 Identified uses:
Lubricant for industrial
purposes. 1.2.2 Uses advised against:
Not available
1.3 Details of the Supplier of the material safety data sheet:

Allcosil Ltd.,
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West Gorton,
Manchester,
M12 5DD.

Email: ja@allcocks.co.uk
Tel: +44 (0)161 223 7181
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1.4 Emergency telephone number: Tel: +44 (0)161 223 7181

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

2.1.1 Classification:

Acute aquatic toxicity	Category 1 – (H400)
Chronic aquatic toxicity	Category 2 – (H411)
FLAMMABLE LIQUIDS	Category 2 – (H225)

2.2 Label Elements:

2.2.1 Labelling according to Regulation (EC) No. 1272/2008[CLP]: Hazard Pictograms:


Flame (GHS02)


Environment(GHS09)

Signal Word(s):
Danger.
Hazard Statement:
H400 – Very toxic to aquatic life
H411 – Toxic to aquatic life with long lasting effects
H225 – Highly flammable liquid and vapour
Precautionary statement:
P210 – Keep away from heat/sparks/open flames/hot surfaces – No smoking
P243 – Take precautionary measures against static discharge
P273 – Avoid release to the environment
P403 + P235 – Store in a well-ventilated place. Keep cool
P391 – Collect spillage

2.3 Other hazards

Not available.

3 COMPOSITION / INFORMATION ON INGREDIENTS

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

None known based on information supplied.

Full text of H- and EUH- phrases; see section 16.

Acute Toxicity Estimate
No information available

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No.1907/2006 (REACH). Article 59.

4 FIRST-AID MEASURES

4.1 Description of first aid measures:

General advice: When in doubt or if symptoms are observed, get medical advice.

Inhalation: Move victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Administer oxygen if breathing is difficult. Call a doctor.

Skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a doctor.

Eye Contact: Rinse immediately with plenty of water, also under eyelids, for at least 15 minutes. Keep eye wide open while rinsing. If sympotms persist, call a doctor.

Ingestion: clean mouth with water. Do NOT induce vomiting. If symptoms persist, call a doctor

Slef-protection of the first aider: Remove all sources of ignition

4.2 Most important symptoms and effect, both acute and delayed:
Not applicable.

4.3 Indication of any immediate medical attention and special treatment needed:
Not applicable.

5 FIRE-FIGHTING MEASURES

5.1 Extinguishing Media:
5.1.1 Suitable extinguishing media:
Alcohol resistant foam. carbon dioxide (CO_2), extinguishing powder, watermist.
5.1.2 Unsuitable extinguishing media:
Strong water jet.

5.2 Specific Hazards arising from the substance or mixture:
Vapours may cause explosive mixtures with air. Vapours may travel to source of ignition and flash back. Most vapours are heavier than air. They will spread along the ground and collect in low or confined areas (sewers, basements, tanks) Vapour explosion hazard indoors, outdoors or in sewers. Run-off to sewers may create fire or explosion hazard. In case of fire may be liberated: Carbon dioxide (CO_2), carbon monoxide, nitrogen oxides (NOx).

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. Do not allow run-off from fire fighting to entre drains or water curses.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:
Special danger of slipping by leaking/spilling product. Keep away from sources of ignition - No smoking. Do not breathe gas/fumes/vapour/spray. Take precautionary measures against static charges. Provide adequate ventilation. Remove persons to safety.
See protective measures under point 7 and 8.

6.2 Environmental precautions:
Ensure all waste water is collected and treated via a waste water treatment plant. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Very toxic to aquatic life.

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:

Provide adequate ventilation as well as local exhaustion at critical locations. When using do not eat, drink, smoke, sniff. W ash hands before breaks and after work. All work processes must always be designed so that the following is as low as possible: Inhalation of vapours or spray/mists In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Wear personal protection equipment. (see chapter 8). Use explosion-proof machinery, apparatus, ventilation facilities, tools etc. Use only

antistatically equipped (spark-free) tools. Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking. Vapours can form explosive mixtures with air.

7.2 Conditions for safe storage, including any incompatibilities:

Ensure adequate ventilation of the storage area. Keep/Store only in original container. Use isolated drainage to prevent discharge to soil. Restrict access to stockrooms. Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking. Keep the packing dry and well sealed to prevent contamination and absorbtion of humidity.

7.3 Specific end use(s):

Risk Management Methods (RMM): The information required is contained in this Safety Data Sheet

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

Derived No Effect Level (DNEL) – Worker:

Chemical Name	Oral	Dermal	Inhalation
Hexamethyldisiloxane (107-46-0)		333mg/kg bw/day	53.4 mg/m^3

Derived No Effect Level (DNEL) – Consumer:

Chemical Name	Oral	Dermal	Inhalation
Hexamethyldisiloxane (107-46-0)	0.27mg/kg bw/day	167mg/kg bw/day	13.3 mg/m^3

Predicted No effect Concentration (PNEC):

Chemical Name	Fresh Water	Freshwater sediment	Sea Water
Hexamethyldisiloxane (107-46-0)	0.002mg/l	0.37mg/kg	0.0002mg/l
Chemical Name	**Sea Sediment**	**Soil**	**Impact on Sewage Treatment**
Hexamethyldisiloxane (107-46-0)	0.037 mg/kg	0.073 mg/kg	>= 10mg/l

8.2 Exposure controls:

8.2.1 Appropriate engineering controls:

Provide adequate ventilation as well as local exhaustion at critical locations..

Personal Protective Equipment:

Eye/face Protection: Wear safety glasses with side shields (or goggles)

Hand Protection: Wear protective gloves. To protect the wearer, gloves must be the correct fit and be used properly. Ensure that the breakthrough time fo the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

Skin and Body Protection: Antistaic footwear. Wear fire/flame retardant/resistant clothing. Suitible protective clothing. Wear protective gloves. Gloves must conform to standard EN 374

Respiratory Protection: Respiratory protection necessary at: insufficient ventilation. Exposure limit overshoot. Insufficient exhaust. Handling larger quantites. Use: Protective pressure self-contained breathing apparatus (SCBA)./. Filtering device (full mask or mouthpiece) with filter. **Filter type ABEK 1/ ABEK 2**

Environmental Exposure controls: Local authorities should eb advised if significant spillages cannot be contained. Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Physical state:		Liquid
Colour:		Clear
Odour:		Characterisitc
pH:		Not applicable.
Melting point/range (°C):		ca. -68
Boiling point/range (°C):	@760 mmHg	ca. 100
Flash point (°C):		ca. -6
Evaporation rate:		Not applicable.
Flammability (soild,gas):		Not available.
Ignition temperature (°C):		ca. 340
Upper/lower flammability/explosive limits (Vol-%):		Lower: 0.68 Upper: 26
Vapour pressure (hPa):	@ 20°C	44
Vapour density:		Not available.
Relative Density (g cm^{-3})	@ 25°C	ca. 0.76
Solubility:	@ 20°C	Insoluble.
Auto-ignition temperature (°C):		ca. 340
Decomposition temperature (°C):		Not available.
Partition coefficient (n-octanol/water):		> 4
Viscosity (mm^2 s^{-1}, cSt):	@ 25°C	0.65

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 TOXICOLOGICAL INFORMATION

This mixture is classified as dangerous according to 1999/45/EC. This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP]. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

11.1 Information on toxicological effects:

Acute toxicity:
- Acute oral toxicity:
  - Parameter: LD50 (Hexamethyldisiloxane; CAS No.: 107-46-0)
  - Exposure route: Oral
  - Species: Rat
  - Effective dose: > 5000 mg/kg
- Acute dermal toxicity:
  - Parameter: LD50 (Hexamethyldisiloxane; CAS No.: 107-46-0)
  - Exposure route: Dermal
  - Species: Rabbit
  - Effective dose: > 2000 mg/kg
- Acute inhalation toxicity:
  - Parameter: LC50 (Hexamethyldisiloxane; CAS No.: 107-46-0)
  - Exposure route: Inhalation
  - Species: Rat
  - Effective dose: CA. 106 MG/L
  - Exposure time: 4 h

Skin corrosion/irritation:
- Not applicable.

Serious eye damage/irritation:
- Not applicable.

Respiratory or skin sensitization:
- Not applicable.

Germ cell mutagenicity:
- Not applicable.

Carcinogenicity:
- Not applicable.

Reproductive toxicity:
- Not applicable.

STOT- single exposure:
- Not applicable.

STOT- repeated exposure:
- Not applicable.

Aspiration hazard:
- Not applicable.

11.2 Other adverse effects:

Product may emit formaldehyde vapour at temperatures above 150°C in the presence of air. Formaldehyde vapour is a suspected carcinogen, toxic by inhalation and irritating to eyes and the respiratory system. Exposure limits should be strictly respected.

12 ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

Aquatic Toxicity
- Chronic (long-term) daphnia toxicity:
  - Parameter: NOEC (Hexamethyldisiloxane; CAS No.: 107-46-0)
  - Species: Daphnia magna (Big water flea)
  - Effective dose: 0,93 mg/l
  - Exposure time: 504 h
- Acute (short-term) algae toxicity:
  - Parameter: EC50 (Hexamethyldisiloxane; CAS No.: 107-46-0)
  - Species: Onchorhynchus mykiss
  - Effective dose: > 0,46 mg/l
  - Exposure time: 96 h
- Chronic (long-term) algae toxicity
  - Parameter: NOEC (Hexamethyldisiloxane; CAS No.: 107-46-0)
  - Species: Cyprinus carpio (Common Carp)
  - Effective dose: ≥ 0,46 mg/l

12.2 Persistence and degradability:

Not readily biodegradable

12.3 Bioaccumulative potential:

Partition coefficient: 5.0

12.4 Mobility in soil:

No information available.

12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII

12.6 Other adverse effects:

Very toxic to aquatic life. The evaluation was carried out according to the calculation method of the preparation directive.

13 DISPOSAL CONSIDERATION

13. 1 Waste treatment methods:

Send to a hazardous waste incinerator facility under observation of official regulations.

13.2 Product/ Packaging disposal:

Clean IBCs or drums at approved facility only. Contaminated packages must be completely emptied and can be re-used following proper cleaning. Packing which cannot be properly cleaned must be disposed of. Handle contaminated packages in the same way as the substance itself.

14 TRANSPORT INFORMATION

14.1 UN-no:

1993

14.2 UN proper shipping name:

Land transport (ADR/RID):
- Flammable liquid, N.O.S. (Hexamethyldisiloxane)

Sea transport (IMDG):
- Flammable liquid, N.O.S. (Hexamethyldisiloxane)

Air transport (ICAO-TI/IATA-DGR):
- Flammable liquid, N.O.S. (Hexamethyldisiloxane)

14.3 Transport hazard class(es)

14.3.1 RID/ADR:

Class(es):	3
Classification code:	F1
Hazard identification number (Kemler No.):	33
Tunnel restriction code:	D/E

Special provisions:	E 2
Hazard label(s):	3 (N)

14.3.2 IMDG:

Class(es):	3
EmS-No:	F-E / S-E
Special provisions:	E 2
Hazard label(s):	3 N

14.3.3 IATA-DGR/ICAO-TI:

Class(es):	3
Special provisions:	E 2
Hazard label(s):	3
ERG Code:	3H

14.4 Packing group:

II

14.5 Environmental hazards:

Land transport (ADR/RID): Yes
Sea transport (IMDG): Yes (P)

14.6 Special precautions for user:

None.

15 REGULATORY INFORMATION

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

15.1.1 Water hazard class (WGK):
Class: 1 (Slightly hazardous to water) Classification according to VwVwS
Storage class: 3

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.

15.2 Chemical safety assessment:

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

16 OTHER INFORMATION

16.1 Indication of changes

Not applicable.

16.2 Abbreviations and acronyms

None

16.3 Key literature references and sources for data

None

16.4 Relevant R-, H- and EUH-phrases (Number and full text)

H225 Highly flammable liquid and vapour.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects

16.5 Training advice

None

Issued by:
Allcosil Ltd.
SDS No.:
WEB01
Date:
07/2025

For any further information please contact **Allcosil Ltd.**

DISCLAIMER: All information and instructions provided in these Safe Handling Instructions (SHI) are based on the current state of scientific and technical knowledge at the date indicated on the present SHI. Allcosil Ltd. shall not be held responsible for any defect in the product covered by this SHI, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge. **Dated:07/2025**