

Safety Data Sheet

According to Regulation (EC)
No. 1907/2006 (REACH)



Chlorella Medium A16494

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: Chlorella Medium
Product number: A16494
SDS number: 905028
CAS No.: No data available
EC No.: No data available
Index No.: No data available

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

Identified use(s): Laboratory chemicals. Manufacture of substances.
Uses advised against: Follow supplier's recommendations on correct use of the product.

1.3 Details of the supplier of the safety data sheet

Supplier: Total Lab Supplies
Unit 5/6 Ketterer Court
St Helens
WA9 3AH
Telephone: +44 (0)1744 455 000
E-mail: sales@totalabsupplies.co.uk

1.4 Emergency telephone number

In case of emergency, call: +44 (0)1744 455 000 (Mon – Fri, 08:30 – 17:00 UK time)

SECTION 2: Hazard Identification

2.1 Classification of the substance or mixture

2.1.1. Classification according to Regulation (EC) No. 1272/2008 (CLP)

Chronic aquatic toxicity (Category 3), H412

For the full text of the H-Statements mentioned in this Section, see Section 16

2.1.2. Classification according to Directive 67/548/EEC & Directive 1999/45/EC

R52/53

For the full text of the R-phrases mentioned in this Section, see Section 16

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2.2 Label elements

2.2.1. Label according to Regulation (EC) No. 1272/2008 (CLP)

The product does not need to be labelled in accordance with EC directives or respective national laws.

Hazard pictogram(s):	None
Signal Word:	None
Hazard Statement(s):	H412:- Harmful to aquatic life with long lasting effects
Precautionary Statement(s):	P273:- Avoid release to the environment
Supplemental Hazard information (EU):	None.

2.3 Other hazards

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical name	% w/w	CAS No.	EC No.	Index No.	Classification (Regulation (EC) No. 1272/2008 (CLP))	Classification (Directive 67/548/EEC)
Copper sulphate	0.025 – 0.25 %	7758-98-7	231-847-6	029-004-00-0	Acute Tox. 4; Skin Irrit 2; Eye Irrit. 2; Aquatic Acute 1; Aquatic Chronic 1; H302, H315, H319, H410	

See Section 16 for full description of R phrases and H statements.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

INHALATION: Remove person to fresh air and keep comfortable for breathing. Keep warm and at rest. If irritation persists or if you feel unwell, obtain immediate medical attention.

SKIN CONTACT: Take off immediately all contaminated clothing. Rinse skin with water/shower for at least 15 minutes. Obtain immediate medical attention. Contaminated clothing should be washed before reuse.

EYE CONTACT: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present

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and easy to do. Continue rinsing, making sure to rinse under eyelids. Obtain immediate medical attention.

INGESTION: Do not induce vomiting. Provided the patient is conscious, rinse mouth out with water and give 200-300 mL of water to drink. Never give anything by mouth to an unconscious person. Obtain immediate medical attention.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and / or in section 11

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

No data available

SECTION 5: Fire-fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: Water spray, CO₂, sand, dry powder, alcohol-resistant foam

Unsuitable extinguishing media: Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NO_x), Sulphur oxides, Oxides of phosphorus, Potassium oxides, Magnesium oxide

5.3 Advice for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Eliminate sources of ignition. Ensure adequate ventilation. Avoid contact with skin and eyes. Do not breathe vapours/spray. Wear suitable personal protective equipment. Wear appropriate respirator when ventilation is inadequate (See Section 8).

6.1.2 For emergency responders

Keep unnecessary personnel away. Wear suitable protective clothing (See Section 8). Contaminated work clothing should not be allowed out of the workplace. Take off contaminated clothing and wash it before reuse.

6.2 Environmental precautions

Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be alerted to the Environment Agency or other appropriate regulatory body.

6.3 Methods and materials for containment and clearing up

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6.3.1 for containment

Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

6.3.2 for cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.3.3 Other advice

Do not let product enter the drains.

6.4 Reference to other sections

See Section 8 for personal protective equipment. See Section 13 for waste disposal.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition. No smoking. For precautions see section 2.2

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control parameters

Workplace exposure limits

Substance	CAS No.	LTEL (8 hr TWA)		STEL (15 min)		Comments
		ppm	mg/m ³	ppm	mg/m ³	
Contains no substances with occupational exposure limit values.						

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.2.2 Personal protection

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Eye protection:	Goggles or safety glasses with side shields giving complete protection to eyes (EN 166).
Skin protection:	Protective Clothing
Hand protection:	Chemical-resistant gloves conforming (EN 374). Nitrile rubber gloves are recommended for normal use. Butyl rubber gloves are recommended if the contents of the generator are released. Contact glove supplier to confirm suitable glove material, thickness and breakthrough times.
Other:	Long sleeve protective clothing.
Respiratory protection:	Not normally required. Dust mask if conditions are dusty.
Thermal hazards:	Not applicable.

8.2.3 Environmental exposure controls

Inform environmental manager of all incidents involving this product.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Form: Solid
Odour:	No data available
Odour threshold:	No data available.
pH:	No data available.
Melting/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash point:	No data available
Evaporation rate:	No data available
Flammability (solid; gas):	No data available
Upper/lower flammability or explosive limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Relative density:	No data available
Solubility(ies):	No data available.
Partition coefficient: n-octanol/water:	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available
Viscosity:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available.

9.2 Other information

Material number:
Version: 2.0
Date: 11/03/2024

SDS Number:
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No data available.

SECTION 10: Stability and Reactivity

10.1	Reactivity	No data available
10.2	Chemical stability	Stable under recommended storage conditions.
10.3	Possibility of hazardous reactions	No data available
10.4	Conditions to avoid	No data available
10.5	Incompatible materials	Powdered metals, Strong oxidizing agents, Potassium, Strong acids, Acid anhydrides, Organic materials, Hydroxylamine, Strong reducing agents, Magnesium
10.6	Hazardous decomposition products	Other decomposition products – no data available. In the event of fire: see section 5

SECTION 11: Toxicological Information

11.1	Information on toxicological effects	
	Acute toxicity	No data available
	Skin corrosion/irritation	No data available
	Serious eye damage/irritation	No data available
	Skin sensitisation	No data available
	Respiratory sensitisation	No data available
	Germ cell mutagenicity	No data available
	Carcinogenicity	IARC: 2A – Group 2A: Probably carcinogenic to humans (Potassium nitrate)
	Reproductive toxicity	No data available
	Specific Target Organ Toxicity – single exposure	No data available
	Specific Target Organ Toxicity – repeated exposure	No data available
	Aspiration hazard	No data available
Information on likely routes of exposure		
	Inhalation	May be harmful if inhaled. Causes respiratory tract irritation
	Skin contact	May be harmful if absorbed through skin. Causes skin irritation
	Eye contact	May be harmful. Causes eye irritation
	Ingestion	Harmful if swallowed
Symptoms related to the physical, chemical and toxicological characteristics		
Mixture versus substance Information		
Other information		
RTECS: Not available		
Central nervous system depression, to the best of our knowledge, the chemical, physical, and toxicological properties have not been		

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thoroughly investigated.

Liver – Irregularities – Based on Human Evidence (Potassium nitrate)

Liver – Irregularities – Based on Human Evidence (Boric acid)

SECTION 12: Ecological Information

12.1	Toxicity	No data available
12.2	Persistence and degradability	No data available
12.3	Bioaccumulative potential	No data available
12.4	Mobility in soil	No data available
12.5	Results of PBT and vPvB assessment	The substance is not considered to be persistent, bioaccumulating nor toxic (PBT).
12.6	Other adverse effects	Harmful to aquatic life

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

Product

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product

SECTION 14: Transport Information

ADR

14.1	UN Number	Not dangerous goods
14.2	UN Proper shipping name	Not dangerous goods
14.3	Transport hazard class(es)	Not dangerous goods
14.4	Packing group	Not dangerous goods
14.5	Environmental hazards	No
14.6	Special precautions for the user	Not dangerous goods

ADN

14.1	UN Number	Not dangerous goods
14.2	UN Proper shipping name	Not dangerous goods
14.3	Transport hazard class(es)	Not dangerous goods
14.4	Packing group	Not dangerous goods
14.5	Environmental hazards	No
14.6	Special precautions for the user	Not dangerous goods

RID

14.1	UN Number	Not dangerous goods
14.2	UN Proper shipping name	Not dangerous goods
14.3	Transport hazard class(es)	Not dangerous goods
14.4	Packing group	Not dangerous goods

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14.5	Environmental hazards	No
14.6	Special precautions for the user	Not dangerous goods

IATA/ICAO

14.1	UN Number	Not dangerous goods
14.2	UN Proper shipping name	Not dangerous goods
14.3	Transport hazard class(es)	Not dangerous goods
14.4	Packing group	Not dangerous goods
14.5	Environmental hazards	No
14.6	Special precautions for the user	Not dangerous goods

IMDG

14.1	UN Number	Not dangerous goods
14.2	UN Proper shipping name	Not dangerous goods
14.3	Transport hazard class(es)	Not dangerous goods
14.4	Packing group	Not dangerous goods
14.5	Environmental hazards	No
14.6	Special precautions for the user	Not dangerous goods
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	Not dangerous goods

SECTION 15: Regulatory Information

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

This Safety Data Sheet was prepared in accordance with EC Regulation (EC) No. 1907/2006 as amended. The product has been classified in accordance with Regulation (EC) No. 1272/2008 (CLP), Directive 67/548/EEC & Directive 1999/45/EC.

15.2 Chemical Safety Assessment

A chemical safety assessment is not required and has not been carried out.

SECTION 16: Other Information

Full text of relevant R-phrases and/or H-statements:

Hazard Statement(s):

Acute Tox – Acute toxicity
Aquatic Acute – Acute aquatic toxicity
Aquatic Chronic – Chronic aquatic toxicity
Eye Irrit – Eye irritation
H302 – Harmful if swallowed
H315 – Causes skin irritation
H319 – Causes serious eye irritation
H410 – Very toxic to aquatic life with long lasting effects
H412 – Harmful to aquatic life with long lasting effects

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Skin Irrit – Skin irritation

**Supplemental Hazard
information (EU):**

None.

Risk phrase(s):

N – Dangerous for the environment
R22 – Harmful if swallowed
R36/38 – Irritation to eyes and skin
R50/53 – Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Xn – Harmful
R52/53 – Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations:

CAS:	Chemical Abstracts Service;
EINECS:	European Inventory of Existing Commercial Chemical Substances
EC ₅₀ :	Effective Concentration 50%
EL ₅₀ :	Effective Loading rate 50%
IC ₅₀ :	Inhibitory Concentration 50%
LC ₅₀ :	Lethal Concentration 50%
LD ₅₀ :	Lethal Dose 50%
LL ₅₀ :	Lethal Loading rate 50%
LCLo:	Lowest lethal concentration
LOEL:	Lowest Observed Effect Level
NOEL:	No Observed Effect Level
PBT:	Persistent, Bioaccumulative and Toxic.
VPvB:	Very Persistent and Very Bioaccumulative.

References:

Supplier's Safety Data Sheets for ingredients
ECHA disseminated REACH dossiers
ECHA Classification & Labelling Inventory
Approved Classification and Labelling Guide (Sixth edition)
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (CHIP)
Regulation (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP)

Disclaimer:

THE INFORMATION PRESENTED HEREIN IS BELIEVED TO BE ACCURATE, BUT IS NOT WARRANTED TO BE, WHETHER ORIGINATING WITH THE COMPANY OR NOT. RECIPIENTS ARE ADVISED TO CONFIRM, IN

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ADVANCE OF NEED, THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO THEIR CIRCUMSTANCES.

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