



Version: 1

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GB SAFETY DATA SHEET

Conforms to Regulation EC 1907/2006 (REACH) as amended by Regulation (EU) 2015/830
- retained in UK Law under the UK REACH Regulation.

Banish Barley Straw Extract Solution

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

1.1. Product identifier

2.9% Copper Sulphate Solution

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

For use a pond treatment

1.3. Details of the supplier of the safety data sheet

Natural Pond Solutions
Harris Trucking Storage
25 Orgreave Drive. Sheffield. S13 9NR.

Telephone: 07361 485532

Email address: naturalpondsolution@gmail.com

1.4. Emergency telephone number

For product information, contact Natural Pond Solutions on the telephone number stated in section 1.3.

In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department.

For urgent medical advice, call the NHS Helpline on 111 (England, Scotland & Wales).

For medical emergencies, dial 999.

Environmental agency emergency phone number 0800 807060.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008

Eye Irrit. 2; H319

Aquatic Chronic 2; H411

2.2. Label elements

Hazard pictogram:



Signal word: Warning

Hazard statements:

H319: Causes serious eye irritation.

H411: Toxic to aquatic life with long lasting effects

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P103: Read label before use.

P264: Wash hands thoroughly after handling.

P280: Wear eye/face protection.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local regulations.

Other labelling in accordance with Regulation (EC) No 1272/2008:

None

2.3. Other hazards

This mixture does not meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No 1907/2006 (REACH).

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical Name	CAS/EC No	Classification in accordance with Regulation (EC) 1272/2008	Conc [%]
Copper Sulphate	7758-98-7 231-847-6	Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M=10 M(Chronic)=1 Acute Tox. 4; H302	<3
Citric Acid	77-92-9	Eye Irrit. 2; H319 STOT SE 3; H335	<1
EDTA	60-00-4	Eye Irrit. 2; H319	<1

Full text of hazard statements is displayed in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation



Move exposed person to fresh air. Keep affected person warm and at rest. If breathing discomfort occurs, seek medical attention. Give oxygen if breathing is difficult.

Skin

Wash contaminated skin with plenty of soap and water. Get medical attention if skin irritation occurs.

Eyes

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention

Ingestion

Wash out mouth with water and give water to drink. If feeling unwell, get medical attention. Do not induce vomiting unless directed to do so by medical personnel.

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

May cause eye irritation.

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

No specific advice. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray, dry chemical, foam, CO₂, or sand. Use any means suitable for extinguishing surrounding fire.

Unsuitable extinguishing media

None known.

5.2. Special hazards arising from the substance or mixture

Toxic or irritating gases may be evolved in the event of fire.

5.3. Advice for firefighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. When dealing with spillage to not eat, drink or smoke. Use personal protective equipment.

6.2. Environmental precautions

Do not discharge into drains or watercourses or onto the ground. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Environmental agency emergency phone number 0800 807060.

6.3. Methods and material for containment and cleaning up

Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or



apron, as appropriate. Collect spillage, use absorbent material to soak up product if applicable and dispose of in accordance with local regulations.

6.4. Reference to other sections

See section 1 for emergency contact information.

See section 8 for information on appropriate personal protective equipment.

See section 13 for additional waste treatment information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Always read the label and product information before use. Wear protective gloves and eye protection. Avoid contact with skin, eyes and clothing. Keep out of the reach of children. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Store at room temperature. Keep out of the reach of children.

7.3. Specific end use(s)

For use as a pond treatment.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Workplace exposure limits in accordance with EH40/2005 containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations 2002 (as amended):

Substance	CAS Number	Workplace exposure limit				Comments
		Long-term exposure limit (8-hr TWA reference period)		Short-term exposure limit (15-minute reference period)		
		ppm	mg.m-3	ppm	mg.m-3	
Copper and compounds: dust and mists (as Cu)			1		2	The Carc, Sen and Sk notations are not exhaustive.

8.2. Exposure controls

Engineering controls

Provide adequate ventilation.

Eye/face protection

The following protection should be worn: Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with European Standard EN166.

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 gloves immediately and dispose of them according to relevant national and local regulations. Recommended : (<1 hour) PVC , Nitrile gloves.



Respiratory protection

No personal respiratory protective equipment normally required.

Environmental exposure controls

Steps should be taken to ensure that this product is not released accidentally into the environment.

Hygiene measures

Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: Blue liquid

Odour: Information not available

Odour threshold: Information not available

pH: Information not available

Melting point/freezing point: Information not available

Initial boiling point and boiling range: Information not available

Flash point: Information not available

Evaporation rate: Information not available

Flammability: Information not available

Upper/lower flammability or explosive limits: Information not available

Vapour pressure: Information not available

Vapour density: Information not available

Specific gravity: Information not available

Solubility(ies): Soluble in water.

Partition coefficient: n-octanol/water: Information not available

Auto-ignition temperature: Information not available

Decomposition temperature: Information not available

Viscosity: Information not available

Explosive properties: Information not available

Oxidising properties: Information not available

9.2. Other information

None

SECTION 10: Stability and reactivity

10.1. Reactivity

Information not available.

10.2. Chemical stability

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products



Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicity of product

Acute toxicity:	Not expected to be toxic.
Skin corrosion/irritation:	Product is not classified for skin irritation.
Serious eye damage/irritation:	Product is classified for eye irritation.
Respiratory or skin sensitisation:	Product is not classified for sensitisation.
Germ cell mutagenicity:	No information specified.
Carcinogenicity:	No information specified.
Reproductive toxicity:	No information specified.
STOT-single exposure:	No information specified.
STOT-repeated exposure:	No information specified.
Aspiration hazard:	No information specified.

Toxicity of hazardous components

Citric Acid:

Oral LD50 5400 mg/kg bw (mouse) (OECD 401)

Dermal LD50 >2000 mg/kg bw (Rat) (OECD 402)

Copper Sulphate:

Oral LD50 = 481 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

Toxicity of product

Toxic to aquatic life with long lasting effects.

Toxicity of hazardous components

Citric Acid:

LC50/48h 440mg/l (Fish) (OECD 203)

NOEC 425mg/l (Algae)

LC50/24h 1535mg/l (Daphnia Magna)

Copper Sulphate:

LC50 - Oncorhynchus mykiss (rainbow trout) - 0.032 mg/l - 96 h

EC50 - Daphnia magna (Water flea) - 0.092 mg/l - 48 h (OECD Test Guideline 202)

12.2. Persistence and degradability

Information not available.

12.3. Bioaccumulative potential

Information not available.

12.4. Mobility in soil

Soluble in water.

12.5. Results of PBT and vPvB assessment

This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects



Dispose of waste and residues in accordance with local authority requirements.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods

Dispose of contents/container in accordance with all local, regional, national and international regulations.

SECTION 14: Transport information

14.1. UN number

UN3082

14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Copper Sulphate)

14.3. Transport hazard class(es)

9

14.4. Packing group

III

14.5. Environmental hazards

Toxic to aquatic life with long lasting effects.

14.6. Special precautions for user

N/A

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

N/A

SECTION 15: Regulatory information

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

This substance/mixture is classified and labelled in accordance with Regulation (EC) 1272/2008 – retained in UK Law under the GB CLP Regulation.

This SDS conforms to Regulation EC 1907/2006 (REACH) as amended by Regulation (EU) 2015/830 – retained in UK Law under the UK REACH Regulation.

This SDS is issued for Great Britain only.

15.2. Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Full text of hazard statements listed in Section 3.

Hazard statements:

H302: Harmful if swallowed

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation

H400: Very toxic to aquatic life



H410: Very toxic to aquatic life with long lasting effects.

Comments

Use only in accordance with label instructions.

The information contained in this data sheet does not constitute the user's own assessment of workplace risks as required by legislation. The information in this data sheet should be considered when undertaking a risk assessment under the COSHH regulations. The information contained within this data sheet is strictly for general guidance only and should not be relied upon over and above this. This data sheet is intended to provide general health and safety guidance on the storage and transportation of the preparation. The information in this data sheet is accurate at the date of publication and will be updated as and when appropriate. No liability will be accepted by Natural Pond Solutions Ltd. for any loss, injury or damage arising from any failure to comply with the information and advice contained within this data sheet and/or failure to comply with the manufacturer's guidelines, product label data and any associated technical usage literature.