



SECTION 1: IDENTIFICATION OF THE SUBSTANCE, PREPARATION AND COMPANY.

1.1 Product Name – This safety data sheet covers the following products:

HopGain® Haze

1.2 Relevant Uses – For use as an ingredient in the brewing of beer.

1.3 Supplier – Totally Natural Solutions Ltd.

1.4 Emergency Contact Details –

Unit 2 Eastlands Estate, Maidstone Road,
 Paddock Wood, Kent, TN12 6BU, UK.

Emergency phone: +44 (0) 1622 872105 (08.30 – 17.00 Mon – Fri UK time)

Mobile: +44 (0) 7766 201593

Email: info@totallynaturalsolutions.com

SECTION 2: HAZARDS IDENTIFICATION.

2.1 Classification – Not classified (Regulation (EC) No. 1272/2008)

2.2 Label Elements – N/A (not classified)

2.3 Other Hazards – This product is mildly alkaline. Furthermore, this product adds a slight bitterness to beer. A large ingested dose may cause mouth, throat and digestive tract irritation.

SECTION 3: COMPONENTS/INFORMATION ON INGREDIENTS.

HopGain® Haze – Contains modified hop extracts dissolved in alkaline water

SECTION 4: FIRST AID MEASURES.

4.1 Description of First Aid Measures – Inhalation: Remove to fresh air. Get medical attention immediately if symptoms occur.

Skin Contact: Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur

Eye Contact: Wash eye with plenty of water. Obtain medical attention if symptoms persist.

Oral Ingestion: Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur..

4.2 Most Important Symptoms and Effects – Eye irritation may occur if the product comes into contact.

4.3 Indication of Immediate Medical Attention or Special Treatment - No data available.

SECTION 5: FIRE-FIGHTING MEASURES.

5.1 Extinguishing Media – Carbon dioxide, foam, dry powder or water.

5.2 Special Hazards Arising from Substance – The product is an aqueous solution, and so therefore not expected to burn. No known fire or explosion hazards.

5.3 Advice for Firefighters – Fire fighters should wear self-contained positive pressure breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES.

6.1 Personal Protection – Wear appropriate protective clothing – see Section 8.

6.2 Environmental Precautions – Do not discharge onto the ground or into watercourses.

6.3 Methods for Cleaning Up – Contain spillage using earth, sand or other inert material. Transfer to suitable sealed container prior to disposal. Wash spillage site with hot soapy water.

SECTION 7: HANDLING AND STORAGE.

7.1 Precautions for Safe Handling – Avoid spilling, skin and eye contact. Wash hands after use.

7.2 Conditions for Safe Storage – Keep container closed when not in use. Suitable storage is high-grade stainless steel, low silicate glass or high-density polyethylene. Protect from light. Keep away from sources of heat and ignition. Store at 5 - 25 °C (41 - 77 °F).

7.3 Specific End Uses – This product is manufactured for use as a food ingredient and



for such uses it is not subject to registration via REACH (Regulation (EC) No.1907/2006). It should be used in accordance with applicable food legislation.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control Parameters –

No data available

8.2 Exposure Controls –

Engineering Controls: General industrial hygiene practice.

Eye/Face Protection: Safety glasses or goggles.

Hand Protection: Suitable protective gloves if risk of skin contact, such as PVC, rubber, latex or nitrile.

Skin Protection: If danger of splashing wear PVC or rubber apron.

Respiratory Protection: Not required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

Appearance:	Light Amber to Reddish-brown
Odour:	Hoppy, resinous
Odour Threshold:	No data available
pH:	10± 1
Freezing point:	No data available
Boiling point:	No data available
Flash Point:	No data available
Evaporation Rate:	No data available
Flammability:	Non flammable
Δv Flammability:	N/A
Vapour Pressure:	No data available
Vapour Density:	No data available
Density:	0.900 – 1.100 kg.m ⁻³
Solubility in H ₂ O:	Miscible. Will precipitate if acidified
Auto ignition Temperature:	No data available
Partition Coefficient:	No data available
Decomposition Temperature:	No data available

Viscosity at 20°C:	No data available
Explosive properties:	None known
Oxidising properties:	None known

SECTION 10: STABILITY AND REACTIVITY.

10.1 Reactivity – No reactivity hazards known.

10.2 Stability – Stable if stored in accordance with 7.2 and 10.5.

10.3 Possibility of Hazardous Reactions – None known.

10.4 Conditions to Avoid – No data available.

10.5 Incompatible Materials – No data available

10.6 Hazardous Decomposition Products – No data available

SECTION 11: TOXICOLOGICAL INFORMATION.

The substance has not been fully assessed.

Not considered harmful by ingestion

Not considered harmful in contact with skin, but observe precautions in section 8.2.

May cause slight skin irritation due to its alkaline nature, but does not require classification as an irritant.

May cause slight eye irritation due to its alkaline nature, but does not require classification as an irritant. Observe precautions in section 8.2.

Skin sensitisation – Although some plant extracts can be sensitising to the skin, there is no evidence of sensitisation caused by this product.

SECTION 12: ECOLOGICAL INFORMATION.

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS.

Product Disposal – Dispose in accordance with all applicable local and national regulations.



Container Disposal – Labels should not be removed from containers until they have been cleaned. Contaminated containers should not be treated as household waste. Containers should be cleaned using appropriate methods and then re-used or disposed of by landfill or incinerated as appropriate to local or national regulations.

SECTION 14: TRANSPORT INFORMATION.

UN-Number – Not listed.

Class – Non-hazardous for transport.

Shipping Name – N/A

Packing Group – Not listed.

Marine Pollutant – No data available.

SECTION 15: REGULATORY INFORMATION.

15.1 Safety, Health and Environmental Regulations – Not classified (Regulation (EC) No. 1272/2008).

Not classified (Directive 67/548/EEC).

The substance is a food ingredient and is therefore not subject to registration via REACH (Regulation (EC) No. 1907/2006).

15.2 Chemical Safety Assessment – No data available.

SECTION 16: OTHER INFORMATION.

The information in this safety data sheet is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide.

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