

SAFETY DATA SHEET

Section 1: Product & Company Identification

Product name: Haze Out

Product code: Haze Out

Product form: Mixture

Product use: Prevent or remove haze from beer

Supplier name and address: The Brewing Science Institute

106 Glen Dale Dr, Woodland Park Colorado 80863

Phone: 719-482-4895

In emergency call 911.

Date of SDS preparation: August 15, 2025

Section 2: Hazard(s) Identification

Respiratory sensitization, Category 1

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Hazard pictograms (CLP)



GHS08

Signal word (CLP): Danger

Contains: Sorbitol (CAS 50-70-4); Prolyl oligopeptidase (CAS 72162-84-6) ; Sodium benzoate (CAS 532-32-1) ;

Potassium (2E, 4E)-hexa-2, 4-dienoate [potassium sorbate] (CAS 72162-84-6)

Hazard Statements (CLP) : H334- May cause allergies or asthma symptoms or breathing difficulties if inhaled

Precautionary statements (CLP):

P261- Avoid breathing dust/fume/gas/mist/vapours/spray

P284- Wear respiratory protection

P304+P340- IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

P501- Dispose of contents/Container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Section 3: Composition/ Information on Ingredients

Chemical Name	CAS#	%
SORBITOL (D-glucitol)	50-70-4	30-50
Prolyl oligopeptidase (EC 3.4.21.26)	72162-84-6	5-15
SODIUM BENZOATE	532-32-1	<1
POTASSIUM (2E, 4E)-HEXA-2, 4-DIENOATE [POTASSIUM SORBATE]	24634-61-5	<1

Section 4: First-Aid Measures

Eye contact: If eye irritation persists: Rinse with plenty of water and get medical advice/attention.

Skin contact: Wash skin with plenty of water. May cause slight irritation to the skin.

Inhalation: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms. Call a poison center or a doctor.

Swallowing: IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.

First-aid measures after ingestion: Call a poison or a doctor if you feel unwell. Irritation to the digestive tract.

Section 5: Fire-Fighting Measures

Fire hazard: No fire hazard.

Extinguishing media: Water spray, Dry powder, foam, carbon dioxide.

Unsuitable extinguishing media: Do not use a heavy water stream.

Flash point: Not available.

Flammable limits: Not available.

Explosion limits: Not available.

Firefighting instructions: Fight fire from safe distances and protected location. Do not enter fire protective equipment, including respiratory protection.

Protection during Firefighting: Do not attempt to take action without protective equipment. Use self-contained breathing apparatus and protective gear.

Specific hazards: Hazardous combustion products may include carbon oxides (CO/CO₂), sodium oxides, and potassium oxides.

Section 6: Accidental Release Measures

Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage. Ensure adequate ventilation. Use personal protective equipment. Avoid breathing dust/fume/gas/mist/vapors/spray. Recover the product with absorbent material. Absorb spilled material with sand or earth. Avoid release to the environment. Dispose of materials or solid residues at an authorized site by methods consistent with Federal, State and Local regulations.

Section 7: Handling and Storage

Handling: Not expected to present a significant hazard under anticipated conditions of normal use. Ensure good ventilation of the workstation. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapor/spray. Wash thoroughly after handling it.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Storage: Store in a well-ventilated place away from heat. Keep cool. Protect from sunlight.

Packaging Materials: Always store product in container of same material as original container.

Section 8: Exposure Controls/Personal Protection

General protection: In case of inadequate ventilation. Wear respiratory protection.

Air contaminants formed: No information available.

Specific engineering controls: Ensure good ventilation of the workstation.

Eye Protection: Safety glasses, safety goggles.

Skin and body protection: Wear suitable protective clothing.

Hand Protection: Protective gloves.

Environmental exposure control: Avoid release to the environment.

Section 9: Physical and Chemical Properties

Physical state: Liquid

Color: Brown

Odor: Slight fermentation odor

Odor threshold: No data available

pH: 4-4.5

Melting point: No data available

Freezing point: No data available

Boiling point: No data available

Flash point: > 100°C

Evaporation rate: No data available

Flammability: No data available

Upper/lower flammability or explosive limits: No data available

Auto ignition temperature: No data available

Explosive properties: No data available

Viscosity: No data available

Vapor pressure: No data available

Vapor density: No data available

Relative density: Not available

Solubility: Not available

Partition Coefficient: No data available

Particle Characteristics: Not applicable

Section 10: Stability and Reactivity

Reactivity: Non-reactive under normal conditions of use, storage and transport.

Chemical stability: Stable under normal conditions

Conditions to avoid: None under recommended storage and handling conditions

Incompatible materials: No additional information available

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

Section 11: Toxicological Information

Acute toxicity (oral): Not classified

Acute toxicity (dermal): Not classified

Acute toxicity (inhalation): Not classified

SODIUM BENZOATE (532-32-1)

LD50 oral rat: >2000 mg/kg

LD50 dermal rat: >2000 mg/kg

pH: 9-10

Skin Corrosion/Irritation: Not classified; product pH is not in corrosive or irritant range.

Serious Eye Damage/Irritation: Not classified; product pH is not in corrosive or irritant range.

Respiratory or Skin sensitization: May cause allergy or asthma symptoms or breathing difficulties if inhaled

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

STOT-single exposure: Not classified

STOT-repeated exposure: Not classified

Viscosity, kinematic: Not applicable

Prolyl oligopeptidase (72162-84-6)

STOT-single exposure: Not classified

STOT-repeated exposure: Not classified

Aspiration hazard: Not Classified

Section 12: Ecological Information (non-mandatory)

Ecology general – The product is not considered harmful to aquatic organism nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute): Not classified

Hazardous to the aquatic environment, long-term (chronic): Not classified

SODIUM BENZOATE (532-32-1)

LC50- Fish: > 100 mg/l

Persistence and degradability

Haze Out: Not rapidly degradable

Prolyl oligopeptidase: Not rapidly degradable

Sorbitol: Not rapidly degradable

Sodium Benzoate: Not rapidly degradable

Potassium (E, E)-Hexa-2,4-Dienoate – Not rapidly degradable

Section 13: Disposal Considerations (non-mandatory)

Waste treatment methods: Dispose of contents/container in accordance with licensed collector's sorting instructions. Do not re-use empty containers.

Section 14: Transport Information (non-mandatory)

Not a DOT controlled, or government regulated material.

Section 15: Regulatory Information (non-mandatory)

Contains no substance subject to Regulation

Contains no substance on the REACH candidate list, and with Annex XVII restrictions

TSCA (Toxic Substances Control Act): Not applicable

SARA Section 313 (specific toxic chemical listings): Not applicable

SARA 311/312 Hazardous Categorization: Not applicable

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs): Not applicable

National Regulations: No additional information available

Chemical Safety Assessment: No chemical safety assessment has been carried out

Section 16: Other Information

SDS prepared by: The Brewing Science Institute, Email: info@brewingscience.com

SDS creation date: 08/15/2025

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