

# **BAIRDS MALT**

## **PRODUCT SAFETY DATA SHEET**

**LAST UPDATED: 19TH AUGUST 2020**



# 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Product Description: Malted Barley

Responsible Company: Bairds Malt Ltd

Product Use: Brewing, distilling and vinegar raw material

Information Tel. Number: Tel: + 44 (0) 01241 870431  
Fax: + 44 (0) 01241 874 251

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Dried germinated cereal (barley)  
Chemical Characterisation of Active Components: Stable carbohydrate and protein source physically similar to but more friable than whole cereal grains.

Malt is a processed cereal product and contains no hazardous substance, nor artificial or genetically modified material.

Composition - typical	Carbohydrates 75-80%
	Protein 9-13%
	Fat 3%
	Water 3-7%

Allergen information: Malt contains gluten which can cause an adverse reaction for people with gluten intolerance.

Synonyms:	Not Applicable.
Hazardous Ingredients:	None - Food Ingredient.
Classification of Preparation:	Not Applicable – Food Ingredient.
Exposure Limit:	Not Applicable.

## 3. HAZARDS IDENTIFICATION

Malted barley is a food product and non-toxic. In normal use the whole grain has no particular health hazard.  
Malt is a dried product containing silicon and can create a fine powder.

Skin:	Malt flour / dust have a drying effect on the skin and can be an irritant if in prolonged or repeated contact
Eyes:	Will be irritant to eyes
Ingestion:	No adverse effects
Inhalation:	Inhalation of barley or malt dust may cause adverse reaction in susceptible persons. Recommended that personal exposure is maintained below the EH40/2005 rating as dust 10mg m <sup>3</sup> 8h (TWA)

## 4. FIRST AID MEASURES

Skin Contact:	Wash with soap and warm water.
Eye Contact:	Rinse eyes with plenty of water. Seek medical advice if necessary.
Ingestion:	Rinse mouth with water (Foodstuff – non-toxic)
Inhalation:	Remove from exposure and clear respiratory tract

## 5. FIRE FIGHTING MEASURES

Protection against

Fire and Explosion: Malt dust can form explosive/flammable mixtures with air in the presence of a suitable source of ignition.

Special Hazard: This product is combustible and malt dust can form potentially explosive clouds. Sources of ignition must be avoided and special provision must be in place to protect handling equipment (ATEX regs)

Minimum ignition temperature 500oC

Minimum explosible concentration 125g/m<sup>3</sup>

Suitable Fire

Extinguishing Media: Water spray, Foam, Carbon Dioxide.

## 6. ACCIDENTAL RELEASE MEASURES

Spillages should be cleared up immediately and swept into suitable containers for disposal. Disposal can be to composting or to landfill in accordance with site Waste Matrix and local regulations.

## 7. STORAGE AND HANDLING

Storage / Product Shelf Life: Stored in silos or packaging (sacks) in cool and dry conditions away from direct heat and in an environment free of pests. The product is stable for up to 12 months for milled (crushed) malt and 18 months for whole grain if stored under the recommended conditions as follows:

i) Temperature < 30oC or <85oF

ii) Relative Humidity < 75%

Handling: Avoid the accumulation of dust. Avoid inhaling dust and avoid contact with eyes and skin.

Environmental Precautions Do not discharge into drains or rivers.

Clean-up Procedures In case of spillage reduce airborne dust and prevent scattering by moistening with water. Pick up spill and place in suitable container for disposal.

## 8. EXPOSURE CONTROLS/PERSON PROTECTION

Recommended Personal Protection Equipment:

Respiratory Protection: FFP2 Facemask (which have been face fit tested) in enclosed areas.

Hand Protection: Suitable protective gloves

Eyes Protection: Eye protection in enclosed areas.

Skin Protection: Suitable protective clothing (PPE)

- Work coveralls, including long trousers and long sleeve tops

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Whole grain kernels
Odour:	Characteristically malty.
State	Solid, granular
Colour	Pale brown to black depending on type
Density	55kg per hectolitre
Angle of repose	26o from horizontal
Combustion temperature	Approx. 230oC

## 10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of use.
Conditions to avoid:	Heat / High levels of humidity
Materials to avoid:	None
Hazardous decomposition products:	None
Hazardous combustion:	Combustion emits toxic fumes (CO2)

## 11. TOXICOLOGICAL INFORMATION

Hazardous Ingredients:	Foodstuff – non-toxic. No hazardous ingredients
Allergen information:	Malt contains gluten and may be unsuitable for coeliacs.

## 12. ECOLOGICAL INFORMATION

The product is biodegradable. Its high content of sugars causes high biological oxygen demand, and release of large quantities into waterways or sewers should be avoided.

## 13. DISPOSAL CONSIDERATIONS

No special disposal method required except that in accordance with current local authority regulations.  
Disposal Operations: Can be disposed of to landfill

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## 14. TRANSPORT INFORMATION

UN No:	Not Applicable – Not classified as hazardous
Sea:	Not Applicable – Not classified as hazardous
Road/Rail:	Not Applicable – Not classified as hazardous
Air:	Not Applicable – Not classified as hazardous

## 15. REGULATORY INFORMATION

Labelling: Malted product (contains Barley)

Allergen: Contains Barley Gluten  
Hazard Symbols: None. Not considered dangerous for supply.

## 16. OTHER INFORMATION

Training Instructions: None

Emergency Contact Number:

Tel: + 44 (0) 01241 870431 | Fax: + 44 (0) 01241 874 251

**BAIRDS MALT**  
QUALITY MALT SINCE 1823

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