Statement of Hazardous Nature

Not classified as hazardous according to the criteria of Worksafe Australia

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Product Name  Joe White Roasted Barley
Other Names
Product Use  Ready to heat ingredient for the food and beverage industries (domestic and export)
Company Name  CARGILL MALT ASIA PACIFIC PTY LTD
              Level 11, 28 Freshwater Place
              Southbank, VIC 3006
              AUSTRALIA
Telephone  03 9268 7200
Emergency Telephone  03 9268 7200 (Business Hours)
Facsimile  03 9268 2677

SECTION 2 HAZARDS IDENTIFICATION AND HEALTH EFFECTS

Not classified as hazardous according to the criteria of Worksafe Australia

Label Elements
Signal Word  Warning

Pictogram(s)

Hazard Statements  May form combustible dust concentrations in air
                    Inhalation may aggravate those with pre-existing conditions including skin, eye and respiratory conditions
                    Allergic responses are possible with sensitive individuals
                    Contains gluten
                    May contain sulphites

Acute
Ingestion  Not a hazard if swallowed, with the exception of individuals that are gluten intolerant (Coeliacs Disease).
Eye  Mild irritant from barley dust. Direct contact may cause discomfort in some individuals.
Skin  Barley dust may be a mild irritant and lead to dry or itchy skin.
Inhaled  Barley dust may be an irritant to airway passage.

Chronic  Recurrent skin contact of barley dust may lead to dermatitis. Prolonged inhalation of barley dust may cause the condition known as “bakers’ asthma”.

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SECTION 3 INFORMATION ON MAIN INGREDIENTS

Roasted Barley is specialty grain that adds flavour and colour in the beverage and food industry.

**Intended Use:** Ingredient for the food and beverage industries (domestic and export)

**Unintended Use:** May not be fed to ruminants without blending with other ingredients

**Ingredients**

Barley *(Hordeum Vulgare)*, Malting Grade Australian varieties, as approved by the Malting and Brewing Industry Barley Technical Committee (MBIBTC)

**Packaging**

Polypropylene bags, bulka bag, bulk truck or lined container

SECTION 4 FIRST AID MEASURES

**General Exposure**

Not hazardous under anticipated conditions of normal use

**Inhalation (barley dust)**

Remove to fresh air. Seek medical advice if required.

**Skin (barley dust)**

Wash thoroughly with clean water.

**Eye (barley dust)**

Irrigate with clean water for a minimum of 5 minutes. Seek medical attention if required.

**Ingestion (barley dust)**

Allergic responses are possible with sensitive individuals. Seek medical attention if required.

**First Aid Facilities:**

No specific requirements.

**Advice to Doctor:**

No specific instructions.

SECTION 5 FIRE HAZARDS

**Special Hazards**

Barley dust is combustible and under some circumstances can form explosive clouds in the air. Supports combustion at high temperatures. Sources of ignition should be avoided.

Can give rise to hazardous fumes (oxides of carbon) on combustion. Equipment should be earthed to avoid electrostatic discharges.

EXERCISE CAUTION WHEN FIGHTING ANY FIRE. DO NOT ENTER FIRE AREA WITHOUT PROPER PROTECTIVE EQUIPMENT. DO NOT ALLOW RUN-OFF FROM FIRE FIGHTING TO ENTER DRAINS.

SECTION 6 ACCIDENTAL RELEASE
General Measures
Collect spillage. Avoid generating dust. Handle in accordance with good industrial hygiene and safety practice. Good housekeeping is needed during storage, transfer, handling and use of this material to avoid excessive dust accumulation. Spillage can be slippery on smooth surfaces either wet or dry.

Personal Protection
Persons sensitive to barley dust should wear full-face dust masks at all times. Dust masks to be worn in poorly ventilated areas or where handling generates excessive dust.

Safety glasses fitted with a brow guard (a foam or soft plastic insert around the eyepiece) are necessary where handling generates excessive dust.

Emergency Procedures
Evacuate unnecessary personnel. Ventilate any areas.

Environmental Precautions
Avoid the material entering public waters, water courses and drains.

SECTION 7 HANDLING AND STORAGE INFORMATION

Handling
Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas before eating, drinking or smoking and again when leaving for work.

Storage and Transport
Not classified as dangerous goods. Store in a clean, cool and dry environment. Stores should be suitable for foodstuffs, and protected from contamination with birds, insects and pests. Bulk storage in concrete, steel/fabric silos. Bag storage in polypropylene. Transport is by bulk or bagged product.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards
Grain dust TWA: 4 mg/m³

Engineering Controls
Dust extraction is recommended if handling procedure generates dust. Proper grounding procedures to avoid static electricity should be followed. Ensure all national/local regulations are observed.

Personal protective equipment

Hand protection
Wear protective gloves

Eye protection
Chemical goggles or safety glasses.

Skin and body protection
Not available

Respiratory protection
Persons sensitive to barley dust should wear full-face dust masks at all times. Dust masks to be worn in poorly ventilated areas or where handling generates excessive dust.

Other information
When using, do not eat, drink or smoke.
SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Appearance of a dark brown barley grain, with a burnt odour

Boiling/Melting Point
Decomposes

Vapour Pressure
Not Applicable

Specific Gravity
0.50 to 0.60 g/cm³ (Approx. Bulk Density)

Ignition Temperature
300°C (layer dust)

Flammability Limits
Not Applicable

SECTION 10 STABILITY AND REACTIVITY

Stability
Stable under normal conditions

Incompatibility
None known

Hazardous Combustion
Combustion will generate oxides of carbon

SECTION 11 TOXICOLOGICAL INFORMATION

Non-toxic food product

Allergen Information
Roasted barley contains gluten and is unsuitable individuals that are gluten intolerant (Coeliacs Disease).
May contain sulphites

SECTION 12 ECOLOGICAL INFORMATION

Biodegradable. Nutrient Source

SECTION 13 DISPOSAL

Can be disposed of to landfill

SECTION 14 TRANSPORT

Not classified as hazardous under relevant Directives

SECTION 15 LABELLING

Not applicable

SECTION 16 SHELF LIFE

2 years
SECTION 17 OTHER

Although roasted barley is inherently non-hazardous material, under inadequate handling and storage conditions, potential hazards may occur.

Precautions should be taken in grain storage in order to minimise dust brought about by impact or abrasion and by insect or rodent infestation. This dust may contain particles of husk, rootlets or endosperm. Barley dust may become airborne and if at high concentrations and in the presence of an ignition source, at times, may cause fire and explosion.

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