FOOD SAFETY & QUALITY SYSTEM
PRODUCT DATA SHEET
CRYSTAL MALT

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 Crystal Malt
Other Names: Light/Medium/Dark Crystal Malt, Caramel Malt, Carapils Malt, Caramunich Malt
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
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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): May form combustible dust concentrations in air

Hazard Statements: Inhalation may aggravate those with pre-existing conditions including skin, eye and respiratory conditions
Other Hazards: 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 malt dust. Direct contact may cause discomfort in some individuals.

Skin: Malt dust may be a mild irritant and lead to dry or itchy skin.

Inhaled: Malt dust may be an irritant to airway passage.
Chronic

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

SECTION 3 INFORMATION ON MAIN INGREDIENTS

Crystal Malt 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 (MIBBTC)

Packaging
Polypropylene bags, bulka bag, bulk truck or container

SECTION 4 FIRST AID MEASURES

General Exposure
Not hazardous under anticipated conditions of normal use

Inhalation (malt dust)
Remove to fresh air. Seek medical advice if required.

Skin (malt dust)
Wash thoroughly with clean water.

Eye (malt dust)
Irrigate with clean water for a minimum of 5 minutes. Seek medical attention if required.

Ingestion (malt 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
Malt 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 malt 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  Dust masks. Gloves. Protective glasses/goggles.

Hand protection  Wear protective gloves

Eye protection  Chemical goggles or safety glasses.

Skin and body protection  Not available
Respiratory protection

Persons sensitive to malt 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 darkened barley grain (Dependent on the degree of roasting), with a strong sweet malty 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

Crystal malt contains gluten and is unsuitable for 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 crystal malt 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. Malt 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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