1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: POWDERED SUGAR

Company Name: Sugar Australia Pty Limited (ABN 82 081 245 169)
Address: 265 Whitehall St Yarraville VIC 3013 Australia
Telephone/Fax Number: Tel: +61 3 9283 4558 Fax: +61 3 9689 4085
(24 hour a day available)

Recommended Use: As a sweetener or ingredient in food processing and food preparation

Other Names: ICING MIXTURE, ICING SUGAR, SOFT ICING, MARS DUSTING MIX, CSR BREWING SUGAR, CSR CHOCOLATE ICING MIX, TCP MIX, 60/40 MIX, PURE ICING SUGAR

Other Information: This Material Safety Data Sheet (MSDS) is issued by the Supplier in accordance with the Code and guidelines from the Australian Safety and Compensation Council (ASCC, formerly National Occupational Health and Safety Commission - NOHSC). The information in it must not be altered, deleted or added to. The Supplier will not accept any responsibility for any changes made to its MSDS by any other person or organization. The Supplier will issue a new MSDS when there is a change in ASCC standards, guidelines, or regulations and/or a material change in product specifications.

2. HAZARDS IDENTIFICATION

Hazard Classification: NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. Dangerous goods classification according to the criteria of NOHSC.

Other Information: This product is a well known ingredient in food and beverages and this Material Safety Data Sheet is concerned only with occupational exposures.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Name</th>
<th>CAS</th>
<th>Proportion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maize starch or</td>
<td>Maltodextrin</td>
<td>9050-36-6</td>
<td>&lt;=25 %</td>
</tr>
<tr>
<td>tapioca starch</td>
<td>Cocoa Powder</td>
<td></td>
<td>&lt;=6 %</td>
</tr>
<tr>
<td>Tricalcium Phosphate</td>
<td>Phosphate</td>
<td>1306-06-5</td>
<td>&lt;=1.5 %</td>
</tr>
<tr>
<td></td>
<td>Sucrose</td>
<td>57-50-1</td>
<td>Balance</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Inhalation: Remove to fresh air.

Ingestion: Give water to drink.

Skin: Wash thoroughly with soap and water.

Eye: Flush thoroughly with copious amounts of running water. If symptoms persist, seek medical attention.

Advice to Doctor: Treat symptomatically. People with diabetes may need stabilisation.
5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media
Water, dry chemical, carbon dioxide and foam.

Hazard from Combustion Products
With heat, product burns/oxidises to form carbon, carbon monoxide and or carbon dioxide, and smoke.

Specific Hazards
Airborne sugar dust can explode where under certain conditions of temperature and humidity and where suspended in air exceeds 25 grams per cubic metre. Intrinsically safe dust extraction systems, cleaning procedures, electrical earthing and other safety measures must be used to avoid the risk of explosion. Incompatible with strong oxidising agents.

Precautions in connection with Fire
Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures
Remove sources of ignition. Increase ventilation. Sweep up material avoiding dust generation, vacuum, or dampen spilled material with water to avoid airborne dust, then transfer material to a suitable container. Wash area with water ensuring all wash water is captured and discharged to an approved treatment facility. Notify relevant waste or environmental authority as required by the site's EPA licence, trade waste agreement and/or State legislation.

7. HANDLING AND STORAGE

Precautions for Safe Handling
Material can ferment if excessive moisture contamination is allowed. Fermentation can yield carbon dioxide with possible traces of ethanol or volatile fatty acids (e.g. acetic, propionic, lactic, or butyric) and if exposed to a spark or flame may result in an explosion. These conditions should be avoided. Airborne sugar dust can explode under certain conditions. Refer to Section 5: Fire Fighting Measures: Specific hazards. If maintenance of a storage bin / vessel requires entry by personnel, confined space precautions should be complied with. Insufficient oxygen may be present in vessels containing the product due to the generation of gases during fermentation. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of dust in the work atmosphere. Avoid inhalation of dust, and skin or eye contact. Establish good housekeeping practices. Remove dust accumulations on a regular basis by vacuuming or gentle sweeping to avoid creating dust clouds. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities. This product should be stored in its factory packaging in a cool, dry, well ventilated area, away from sources of ignition, oxidising agents and out of moisture. Keep containers closed when not in use.

Conditions for Safe Storage
For further information refer to Sugar Australia's 'Granulated White Sugar Storage and Handling in Bulk', Sugar Australia's 'Explosion Risk Management and Housekeeping Standards for Sugar' and Sugar Australia's 'Granulated and Powdered White Sugar Storage and Handling in Flexible Intermediate Bulk Containers (FIBC)'.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards
No exposure standards have been established for this material, however, the TWA National Occupational Health And Safety Commission (NOHSC) exposure standards for dust not otherwise specified is 10 mg/m³. TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

Biological Limit Values
No Biological limit available.

Engineering Controls
General room ventilation should be adequate, but local mechanical ventilation may be required if dust is generated, particularly in confined spaces. Work areas should be cleaned regularly by wet sweeping or vacuuming.

Respiratory Protection
An approved particulate respirator conforming to Australian Standards AS/NZS 1715 and AS/NZS 1716 should be worn when working with dusts. Respirators should be correctly fitted, maintained in good condition, and kept in clean
Eye Protection

Ventilated non-fogging goggles, splash resistant should be worn if dust is generated. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection

Wear gloves of impervious material (such as PVC coated fabric). Final choice of appropriate gloves will vary according to individual circumstances. According to methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Personal Protective Equipment

If engineering controls and work practices are not effective in controlling exposure, then personal protective equipment may be required.

Body Protection

Skin Protection: Direct skin contact should be avoided by wearing long sleeved shirts and long trousers, a cap or hat, and gloves (PVC coated fabric or equivalent AS 2161). Work clothes should be washed regularly.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties given below relate to Pure Icing Sugar

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White powder</td>
</tr>
<tr>
<td>Odour</td>
<td>Sweet odour</td>
</tr>
<tr>
<td>Melting Point</td>
<td>160-186°C</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Decomposes with heat.</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>2 kg per litre</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.59</td>
</tr>
<tr>
<td>pH Value</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapour Pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapour Density (Air=1)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability</td>
<td>Combustible, product will burn in surrounding fire situation.</td>
</tr>
<tr>
<td>Auto-Ignition Temperature</td>
<td>500°C</td>
</tr>
<tr>
<td>Flammable Limits - Lower</td>
<td>Combustible</td>
</tr>
<tr>
<td>Flammable Limits - Upper</td>
<td>Combustible</td>
</tr>
<tr>
<td>Explosion Limit - Lower</td>
<td>25-45 g/m³</td>
</tr>
<tr>
<td>Solubility in other solvents (kg/m3)</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

For further information refer to Sugar Australia's 'White Sugar Properties'.

10. STABILITY AND REACTIVITY

Chemical Stability Stable

Conditions to Avoid Heat, flames and other ignition sources.

Incompatible Materials Incompatible with oxidising agents.
Material Safety Data Sheet

Infosafe No™ C90CI

Issue Date : February 2010

ISSUED by SUGAR

Product Name: POWDERED SUGAR

11. TOXICOLOGICAL INFORMATION

Toxicity Information
- Toxicity Data: Non-toxic – a foodstuff
- Sucrose: LD50 (Ingestion): 29,700 mg/kg (rat)

Inhalation
- Sugar dust may irritate the nose and throat.

Ingestion
- No health effects under normal conditions of industrial use, but ingestion may destabilise people with diabetes.

Skin
- Skin contact may result in mild skin irritation.

Eye
- Irritating to the eyes and may cause watering and redness.

Chronic Effects
- Repeated exposure to the powder and dust may result in increased nasal and respiratory secretions and coughing, but not irreversible health effects. Repeated skin contact may cause dermatitis.

12. ECOLOGICAL INFORMATION

Ecotoxicity
- Non-toxic to aquatic and terrestrial organisms. Sucrose is an oxygen depleting substance in aquatic environments.

Persistence / Degradability
- Not available.

Mobility
- Not available.

Environ. Protection
- Do not discharge product unmonitored into the environment.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations
- Product can be treated as a common waste for disposal to an organic recycler or into a landfill site / wastewater treatment plant in accordance with relevant Authority guidelines. Note Biochemical Oxygen Demand load in waste water streams. Return product to supplier for re-use / recycling if possible. Consult supplier for recycling options. Recycle containers if possible or dispose of in an authorised landfill. Transportation of wet sugar waste may require Waste Transport Certification. Refer to your local Environment Protection Authority.

14. TRANSPORT INFORMATION

Transport Information
- Not classified as a Dangerous Good, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail
- Not a marine pollutant.

15. REGULATORY INFORMATION

Poisons Schedule
- Not Scheduled

AICS (Australia)
- All components of this product are listed on the Australian Inventory of Chemical Substances (AICS), or otherwise are in compliance with the NICNAS requirements.

16. OTHER INFORMATION

Date of preparation or last revision of MSDS
- MSDS created: February 2010

Contact Person/Point
- Emergency Contact Number: Poisons Information Centre 13 11 26
- For further information on this product, please contact the following:
  - Sugar Australia Pty Limited
  - ABN 82 081 245 169
  - 265 Whitehall St Yarraville VIC 3013 Australia
  - Telephone: 61 3 9283 4558
  - Facsimile: 61 3 9689 4085
Material Safety Data Sheet

Product Name: POWDERED SUGAR

Literature References:
- Australian Standards References:
  - AS/NZS 1715 Selection, Use and Maintenance of Respiratory Protective Devices.
  - AS/NZS 1716 Respiratory Protective Devices.
  - AS 2161 Industrial Safety Gloves and Mittens (excluding electrical and medical gloves).
- Sugar Australia's 'Granulated White Sugar Storage and Handling in Bulk'
- Sugar Australia's 'Explosion Risk Management and Housekeeping Standards for Sugar'
- Sugar Australia's 'Granulated and Powdered White Sugar Storage and Handling in Flexible Intermediate Bulk Containers (FIBC)'
- Sugar Australia's 'White Sugar Properties'

Other Information:
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...End Of MSDS...