Safety Data Sheet

According to CFR1910/1200 and GHS Rev.10
Effective Date: 24 April 2024

Product Name: Sucrose

Classified for physical and health hazards under GHS.

SECTION 1: IDENTIFICATION OF SUBSTANCE AND OF THE SUPPLIER

Product Name	Sucrose
Other Names	None
CAS No.	57-50-1
Size	20 liter
Recommended Uses	Sweetener in foods and soft drinks, manufacture of syrups, source of invert sugar, confectionery, jams, preserves, demulcent, pharmaceutical products, caramel, chemical intermediate for detergents, emulsifying agents and laboratory agent.

Company Name	Viva Blu Chemical Suppliers
Address	49 Victoria Street, Windsor, QLD, 4030
Phone	+61 402 981 808

Emergency Contact Number	+61 402 981 808 General Information
24 Hour Emergency Contact	If poisoning occurs, contact a doctor or Poisons Information Centre **Australia 131 126** or **New Zealand 0800 764 766**

SECTION 2: HAZARDS IDENTIFICATION

Classification	Not a hazardous substance or mixture.
Hazard Category	

Classification of the substance or mixture

GHS classification in accordance with: UN GHS revision 7

Not a hazardous substance or mixture.

GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

Other hazards which do not result in classification

Not a hazardous substance or mixture.

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Mixtures

Molecular weight: 342.3

Information on Composition: Derived by crushing an extraction of sugar cane with water or extraction of sugar beet with water, evaporating, and purifying with lime, carbon and various liquids. Also obtainable from sorghum by conventional methods. Occurs in low percentages in honey and maple sap.

Chemical Entity	CAS Number	Proportions
Sucrose (EC no 200-334-9)	57-50-1	100-100% (weight_

SECTION 4: FIRST AID MEASURES

Description of necessary first-aid measures

General advice	First Aid Facilities: Maintain eyewash fountain in work area.
If inhaled	Inhalation of any vapours from this product is not likely to present an acute hazard.
In case of skin contact	Wash with plenty of soap and water.
In case of eye contact	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open.
If swallowed	No specific measures

Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically based on judgement of doctor and individual reactions of the patient.

SECTION 5: FIRE FIGHTING MEASURES

Flammability Conditions Product is not combustible and does not burn, but fire or heat will produce irritating, poisonous, and or corrosive fumes.

Extinguishing Media Use extinguishing media most appropriate for the surrounding fire. For example, dry chemical, CO2 or water spray.

Hazards Products of Combustion Can produce toxic or and irritating fumes in fire including carbon oxides.

General information Water spray may be used to knock down the gases/ fumes/ mist/ vapours.

Special Protective Precautions & Equipment for Fire fighters' Protective equipment

Fire fighters should wear a self-contained breathing apparatus and full protective clothing along with protective equipment. Structural firefighter's uniform is not effective for these materials.

Hachem Code Not applicable

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and Emergency Procedures

Always wear protective equipment when handling the substance and ensure adequate ventilation. Keep unprotected people away. Avoid breathing fumes and contact with eyes and skin.

Eliminate all sources of ignition. Do not allow product to reach drains, sewers, or waterways. If the product does enter a waterway, advise the Environment Protection Authority or your local Waste Management. Do not touch damaged containers or spilled substances.

Environmental precautions Prevent from reaching drains, sewers, or waterways. Collect contaminated soil for characterization per section 13. Small spillages may be washed with plenty of water.

Methods and Materials for Containment and Clean Up

Wear protective clothing. Clean up spill by covering with dry earth and or non- combustible material followed by plastic sheet to minimize spreading and put into a suitable, labeled waste container and hold for safe disposal. Spray water to knock down the fumes. Wash spill area with plenty of water

after removing the spill. If necessary, use trained response staff/contractor.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling Ensure an eye and safety shower are available and ready for use in case of an emergency. To avoid contact with eyes, skin and clothing, wear protective clothing, safety glasses and or face protection and a respirator. Do not breathe fumes. Follow good hygiene procedures when handling substances.
Do not eat, drink, smoke or use personal products when handling substances. Use only in well-ventilated areas. Collect spillage. When preparing solution, add acid to water in small amounts to avoid boiling and splattering.

Conditions for Safe Storage including and incompatibilities
Store in a cool (out of direct sunlight), well-ventilated and dry place. Keep container tightly closed and in its original packaging. Keep away from heat and sources of ignition. Avoid physical damage to containers. Store locked up. Store on an acid resistant floor and avoid spread due to leaking containers.

Container Type Store in original packaging as approved by manufacturer. (PVC/FRP container with safety relief valve)

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Control Parameters Not applicable

Appropriate Engineering Controls Preferent use local exhaust ventilation to minimise the exposures. Electrical equipment should be flameproof and protected against corrosive action.

Respiratory Protection Use suitable respiratory protective equipment when inadequate ventilation or where risk assessment shows air-purifying respirators are appropriate.

Protection of skin Appropriate personal equipment is required like protective overalls, safety footwear and gloves.

Eye Protection Safety Glasses and face shield have to be worn at all times.

Work hygiene practices Do not eat, drink or smoke when using the substance. Handle in accordance with good industrial hygiene and safety practice. Wash hands and exposed area after handling.

Biological Values No information available

Exposure Limits No information available

Supplemental information regarding physical hazard classes

No data available.

Further safety characteristics (supplemental)

Taste: Sweet. Sucrose does not reduce Fehling's solution, form an osazone or show mutarotation. It is hydrolysed to glucose and fructose by dilute acids and by invertase, a yeast enzyme. Upon hydrolysis the optical rotation falls and is negative when the hydrolysis is complete. The mixture of glucose and fructose is known as 'invert sugar'. Sucrose is fermentable but resists bacterial decomposition when in high concentrations.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear liquid
Odour	Odourless at room temperature. Characteristic odour of caramel when heated.
Vapor Pressure	No data available
Vapor Density	No data available
Melting Point/Freezing Point	169-186 °C (decomposes)
Solubilities	Solubility in Water: Freely soluble (20 °C) Solubility in Organic Solvents: Moderately soluble in glycerol and pyridine. Slightly soluble in alcohol and methanol.
Specific gravity	1.5877
Flash Point	Not applicable
pH	~7 (100 g/l, H2O, 20 °C)
Lower Explosion Limit	No data available
Upper Explosion Limit	No data available
Ignition Temperature	Not applicable
Evaporation Rate	Not applicable
Viscosity	No data available
Percent Volatile	No data available
Octanol/Water partition coefficient	Not applicable
Saturated Vapor Concentration	No data available

Additional Characteristics	No data available
Flame Propagation/Burning rate of Solid Material	No data available

SECTION 10: STABILITY AND REACTIVITY

Reactivity Stable under normal conditions of storage and handling.

Chemical Stability Stable in air. Finely divided sugar is hygroscopic and absorbs up to 1% moisture which is given up on heating to 90 °C. Sensitive to strong heating

Possibility of hazardous reactions Hazardous Polymerization: Will not occur.

Hazardous Decomposition products Oxides of carbon.

Hazardous Polymerisation When correct storage and handling, no dangerous reactions.

Conditions to avoid Heat, flames, ignition sources and incompatibles.

Incompatible materials Strong oxidisers, nitric acid and sulfuric acid.

SECTION 11: TOXICOLOGICAL INFORMATION

General information:

Acute toxicity	Acute Toxicity - Oral: LD50 (rat): 29700 mg/kg
Inhalation	Inhalation: At low concentrations, dust is not expected to be a health hazard. High concentrations of dust may cause coughing and upper respiratory tract irritation.
Ingestion	Ingestion of sucrose at low concentrations is not expected to be a health hazard. Large doses may cause gastrointestinal irritation.
Eye Corrosion/ Irritation	No adverse effects expected but dust may cause mechanical irritation.
Respiratory/ skin Irritation	No adverse effects expected.
Single Target Organ Toxicity (STOT) single expose	No information available
Single Target Organ Toxicity (STOT) repeat expose	No information available
Carcinogenicity	None

Gem Mutagenicity	No information available
Reproductive Toxicity	No information available
Aspiration toxicity	No information available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity No information available

Environmental fate No information available

Persistence/ degradability No information available

Mobility in Soil No information available

Bioaccumulation Potential No information available

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers.

Other disposal recommendations Do not discharge this material into waterways, drains and sewers

SECTION 14: TRANSPORT INFORMATION*

ADG Road and Air

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product in question

Australia SUSMP Poison Schedule: NS

SECTION 16: CONTACT INFORMATION

Any advice, recommendation, information, assistance, or service provided by Viva Blu in relation to the goods supplied by it or their use or application is given in good faith and believed to be appropriate and reliable. However, it is provided with a disclaimer of any liability on the part of Viva Blu. The customer accepts all risk and responsibility for use of the goods alone, or in combination with other products. All warranties, guarantees and conditions, other than those expressly stated, and whether implied by stature, common law, custom of the trade otherwise, are to the extent that the law permits expressly excluded.

Craig Mair
Managing Director

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