

## MATERIAL SAFETY DATA SHEET

### 1. SUBSTANCE IDENTIFICATION/COMPANY INFORMATION

<b>Product Name:</b>	LOGIC™ Sweet HI Low-Calorie Sweetener
<b>Product Description:</b>	Low-Calorie Sweetener
<b>Product Brand/Code:</b>	LOGIC™ Sweet
<b>Supplier:</b>	Holista Biotech Sdn Bhd Unit 1201, 12 <sup>th</sup> Floor, Amcorp Trade Center, PJ Tower No.18, Persiaran Barat, 46050 Petaling Jaya Selangor, Malaysia

### 2. COMPOSITION/INFORMATION ON INGREDIENT

Chemical Name	CAS No.	EINECS	Chemical Formula
SUCRALOSE	56038-13-2	259-952-2	$C_{12}H_{19}Cl_3O_8$
SUCROSE	57-50-1	200-334-9	$C_{12}H_{22}O_{11}$

### 3. HAZARDS IDENTIFICATION

**ATTENTION!** *This product is an ingredient in food and beverages and this Material Safety Data Sheet is concerned only with occupational exposures.*

#### ■ HAZARD DESIGNATION

<b>Flammability Rating:</b>	2 – Moderate
<b>Reactivity Rating:</b>	1 – Slight
<b>Contact Rating:</b>	1 – Slight
<b>Storage Colour Code:</b>	Green (General Storage)

#### ■ POTENTIAL HEALTH EFFECTS

<b>Inhalation:</b>	No adverse health effects expected from inhalation.
<b>Skin Contact:</b>	No adverse effects expected.
<b>Eye Contact:</b>	No adverse effects expected.
<b>Aggravation of pre-existing conditions:</b>	No information found.

### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Not expected to require first aid measures.
<b>Ingestion:</b>	Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.
<b>Skin Contact:</b>	Wash exposed area with soap and water. Get medical advice if irritation develops.
<b>Eye Contact:</b>	Wash thoroughly with running water. Get medical advice if irritation develops.

## 5. FIRE FIGHTING MEASURES

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<b>Fire:</b>	As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source.
<b>Explosion:</b>	Not considered to be an explosion hazard.
<b>Fire Extinguishing Media:</b>	Water spray, dry chemical, alcohol foam, or carbon dioxide.
<b>Special Information:</b>	In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

## 6. ACCIDENTAL RELEASE MEASURES

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Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in SECTION 8. For spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

## 7. HANDLING AND STORAGE

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Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from any source of heat or ignition. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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<b>Airborne Exposure Limits:</b>	None established.
<b>Ventilation System:</b>	In general, dilution ventilation is a satisfactory health hazard control for this substance. However, in conditions of use create discomfort to the worker, a local exhaust system should be considered.
<b>Skin Protection:</b>	Wear protective gloves and clean body-covering clothing.
<b>Eye Protection:</b>	Use chemical safety goggles. Maintain eye-wash fountain and quick drench facilities in work area.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance:</b>	Free-flowing powder
<b>Odour:</b>	Sweet odour
<b>Solubility:</b>	1 gm/0.5 mL water
<b>Density:</b>	1.59
<b>pH:</b>	Solutions are neutral to litmus.
<b>%Volatiles by volume @ 21°C (70°F):</b>	0
<b>Boiling Point:</b>	Not applicable.
<b>Melting Point:</b>	160 – 180°C (320 - 367°F)
<b>Vapour Density (Air = 1):</b>	No information found.
<b>Vapour Pressure (mm Hg):</b>	No information found.
<b>Evaporation Rate (BuAc = 1):</b>	No information found.

## 10. STABILITY AND REACTIVITY

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<b>Stability:</b>	Forms a hydrate on exposure to air.
<b>Hazardous decomposition products:</b>	May emit oxides of carbon, oxides of sulphur, oxides of nitrogen, and hydrogen chloride gas when heated to decomposition.
<b>Hazardous polymerization:</b>	Will not occur.
<b>Incompatibilities:</b>	Alkalis, alkaline drugs, oxidizing and reducing agents.
<b>Conditions to avoid:</b>	Heat, moisture, incompatibilities.

## 11. TOXICOLOGICAL INFORMATION

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<b>Eye Effects:</b>	May cause mild irritation.
<b>Skin Effects:</b>	May cause slight irritation.

## 12. ECOLOGICAL INFORMATION

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<b>Environmental Fate:</b>	No information found.
<b>Environmental Toxicity:</b>	No information found.

## 13. DISPOSAL CONSIDERATIONS

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Whatever cannot be saved for recovery and recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state, and local requirements.

## 14. TRANSPORT INFORMATION

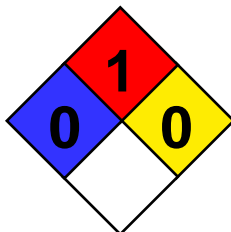
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Not regulated.

## 15. OTHER INFORMATION:

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### NFPA Ratings:



Health – 0  
Flammability – 1  
Reactivity – 0

### Label Precautions:

Avoid dust cloud in presence of an ignition source. Maintain adequate ventilation. Keep container closed.

### Label First Aid:

If inhaled, remove to fresh air. Get medical attention for any breathing difficulty. In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes.

### Product Use:

Food grade.

### Revision Information:

MSDS Section(s) changed since last revision of document –  
Not applicable.

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