

MATERIAL SAFETY DATA SHEET

Tate & Lyle Sucralose, Inc.
2200 East Eldorado Street
Decatur
Illinois 62525

PRODUCT NAME: SLENDA[®] Sucralose, Liquid Concentrate

SYNONYMS: Sucralose Liquid Concentrate

CAS NUMBER: Sucralose 56038-13-2
and water

SECTION 1 - CHEMICAL IDENTIFICATION

COMPANY: Tate & Lyle Sucralose, Inc.
2200 East Eldorado Street
Decatur
Illinois 62525
217 423 4411

CHEMICAL NAME: 1,6-DICHLORO-1,6-DIDEOXY- β -D-FRUCTOFURANOSYL-4-
CHLORO-4-DEOXY- α -D-GALACTOPYRANOSIDE

CHEMICAL FAMILY: Chlorinated Carbohydrate

SECTION 2 – HAZARDOUS CHEMICAL COMPONENTS

No components are listed as hazardous materials and/or are present in quantities as defined in OSHA 29CFR 1910.1200
Material is a 25% aqueous solution of a high intensity sweetener (food additive).

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Potential Health Effects No effects expected

Primary Route(s) of Entry Inhalation/Ingestion

Eyes No effects expected

Skin No effects expected

Ingestion Material is an intensely sweet, liquid solution.

Inhalation No effect expected

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SECTION 4 – FIRST AID MEASURES

No treatment necessary under ordinary circumstances. Use good personal hygiene - wash thoroughly after handling. If redness or irritation develops, contact a physician.

Eyes No special treatment under normal circumstances – flush with water

Skin No special treatment under normal circumstances

Ingestion No special treatment under normal circumstances

Inhalation No special treatment under normal circumstances

Note to Physician

SPLENDA[®] Sucralose is safe for human consumption, based on extensive toxicological studies. Material is a 25% aqueous solution of a high intensity sweetener (food additive).

SECTION 5 - FIRE FIGHTING AND EXPLOSION DATA

Firefighting Measures.

Stable under normal conditions

Flammable Properties

Non-flammable; aqueous solution.

Fire and Explosion Hazards

In the liquid form the product will not burn.

Extinguishing Media

Use any media which is suitable for the surrounding fire

Firefighting Instructions

Wear self-contained breathing apparatus and full protective gear

SECTION 6 – ACCIDENTAL RELEASE MEASURES

No special clean-up procedure is necessary.

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SECTION 7 – HANDLING AND STORAGE

Avoid temperature extremes such as below 2 °C (35 °F) and above 38 °C (100 °F) for extended periods of time. Store in its original container.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls	Normal good engineering practices.
Eye/Face Protection	Use good industrial hygiene practices.
Skin Protection	Use good industrial hygiene practices.
Respiratory Protection	No special respiratory protection is required under normal circumstances.
Other/General Protection	Use good industrial hygiene practices.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear solution
Odor	Slight characteristic odor.
Odor Threshold	N/A

Basic Physical Properties

Boiling Point:	103°C (217°F)
Freezing Point:	2 °C (36 °F)
Vapor Pressure:	24.0 mm Hg
Specific Gravity:	1.12 g/ml
pH:	4 - 5

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SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to Avoid; (Stability) None

Incompatible Materials: None

Hazardous Decomposition: None

Conditions to Avoid (Polymerization) None

Hazardous Polymerization: None

SECTION 11- TOXICOLOGICAL INFORMATION

Acute Studies Sucralose is a non-toxic food additive. Oral rat LD₅₀ > 10 g/kg; Oral mouse LD₅₀ > 16 g/kg (no mortality at the highest tested doses).

SECTION 12 – ECOLOGICAL INFORMATION

Sucralose is biodegradable and poses no risk to the environment. Sucralose and its breakdown products are non-toxic to plant and animal life, are not fat-soluble, and do not accumulate in plant or animal tissue.

SECTION 13 – DISPOSAL CONSIDERATIONS

No special disposal considerations.
Dispose in accordance with federal, state and local regulations.

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SECTION 14 – TRANSPORTATION INFORMATION

Transport Information No special considerations

Proper Shipping Name & Information:

Hazard Class:
Subsidiary Hazard Class:
DOT Identification Number:
DOT Shipping Label: Non-hazardous.
Packaging Exemptions:
Packaging Requirements:
Freight Classification:

SECTION 15 – REGULATORY INFORMATION

US Federal Regulatory Information No components are listed as hazardous materials and/or are present
in quantities as defined in OSHA 29CFR 1910.1200

SECTION 16 – OTHER INFORMATION

Although reasonable care has been taken in the preparation of this document, Tate & Lyle Sucralose, Inc. extends no warranties and makes no representations as to the accuracy or completeness of the information contained therein, and assumes no responsibility regarding the suitability of this information for the users intended purposes, or for the consequences of its use. Users should make a determination as to the suitability of the information for their particular purpose(s).