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SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Product: Sucralose	**Revision date:** 2026-10-29	**Version:** 1.0	**Brand:** Richest

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product name	Sucralose
Synonyms	1,6-Dichloro-1,6-dideoxy-beta-D-fructofuranosyl-4-chloro-4-deoxy-alpha-D-galactopyranoside; E955
CAS No.	56038-13-2
EC No.	259-952-2
Molecular formula	C12H19Cl3O8
Molecular weight	397.63 g/mol
Relevant identified uses	High-intensity sweetener for food and beverage; industrial raw material
Uses advised against	None
Company	Richest Group Ltd.
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SECTION 2: Hazards identification

GHS Classification	Not classified as hazardous according to Regulation (EC) No 1272/2008
Pictogram(s)	None
Signal word	None
Hazard statement(s)	None
Precautionary statement(s)	None
Other hazards	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very

	bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

Component	Sucralose
CAS No.	56038-13-2
EC No.	259-952-2
Classification	Not classified
Concentration (%)	≤100 %

SECTION 4: First aid measures

If inhaled	After inhalation: fresh air.
In case of skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower.
In case of eye contact	Rinse out with plenty of water. Remove contact lenses.
If swallowed	Make victim drink water (two glasses at most). Consult doctor if feeling unwell.
Most important symptoms and effects	No specific symptoms known. When the product is handled appropriately, hazardous effects are unlikely to occur.
Indication of any immediate medical attention	Treat symptomatically.

SECTION 5: Firefighting measures

Suitable extinguishing media	Water, foam, carbon dioxide (CO2), dry powder.
Unsuitable extinguishing media	For this substance/mixture no limitations of extinguishing agents are given.
Special hazards arising from the chemical	Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.
Advice for firefighters	In the event of fire, wear self-contained breathing apparatus. Suppress (knock down) gases/vapours/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency	Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate

procedures	the danger area, observe emergency procedures, consult an expert.
Environmental precautions	Do not let product enter drains.
Methods and materials for containment and cleaning up	Cover drains. Collect, bind, and pump off spills. Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

SECTION 7: Handling and storage

Precautions for safe handling	Handle in accordance with good industrial hygiene and safety practice.
Conditions for safe storage, including any incompatibilities	Tightly closed. Dry. Recommended storage temperature 2 - 8 °C. Storage class (TRGS 510): 11: Combustible Solids.

SECTION 8: Exposure controls/personal protection

Occupational exposure limit values	Contains no substances with occupational exposure limit values.
Biological limit values	No biological exposure index (BEI) established.
Appropriate engineering controls	Change contaminated clothing. Wash hands after working with substance.
Eye/face protection	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Safety glasses.
Skin protection	Handle with gloves (nitrile rubber, minimum layer thickness 0.11 mm, breakthrough time 480 min).
Body protection	Choose body protection in relation to its type, to the concentration and amount of the product at the specific workplace.
Respiratory protection	Required when dusts are generated. Recommended filter type: P1 (DIN EN 143).
Thermal hazards	No specific thermal hazards under normal conditions of use.

SECTION 9: Physical and chemical properties

Physical state	Solid
Colour	White
Odour	Odourless
Melting point / freezing point	114.5 °C (OECD Test Guideline 102)
Boiling point or initial boiling point and boiling range	Not applicable (decomposes)
Flammability	Not classified as flammable

Lower and upper explosion limit / flammability limit	Not determined; dust may form explosive mixtures with air
Flash point	Not applicable (solid)
Auto-ignition temperature	No data available
Decomposition temperature	114.5 °C
pH	6 - 8 at 100 g/l at 20 °C
Kinematic viscosity	Not applicable (solid)
Solubility	Water solubility ca. 300 g/l at 25 °C
Partition coefficient n-octanol/water	log Pow: -0.51 at 20 °C
Vapour pressure	Negligible at 20 °C
Density and/or relative density	1.62 g/cm3 at 20 °C (OECD Test Guideline 109)
Relative vapour density	Not applicable (solid)
Particle characteristics	No data available

SECTION 10: Stability and reactivity

Reactivity	In correspondingly fine distribution, when whirled up, a dust explosion potential may generally be assumed.
Chemical stability	The product is chemically stable under standard ambient conditions (room temperature).
Possibility of hazardous reactions	No hazardous reactions known under normal use
Conditions to avoid	Heat, open flames and other ignition sources.
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	In the event of fire: see section 5

SECTION 11: Toxicological information

Acute toxicity - Oral / Inhalation / Dermal	LD50 Oral - Rat - male - > 10,000 mg/kg (OECD Test Guideline 401)
Skin corrosion/irritation	Skin - In vitro study - No skin irritation (OECD Test Guideline 439)
Serious eye damage/irritation	Eyes - In vitro study - No eye irritation (OECD Test Guideline 437)
Respiratory or skin sensitization	Maximization Test - Guinea pig - negative (OECD Test Guideline 406)
Germ cell mutagenicity	Ames test - S. typhimurium - with and without metabolic activation - negative (OECD Test Guideline 471); In vivo micronucleus test - Mouse - Oral (OECD

	Test Guideline 474)
Carcinogenicity	No component of this product present at levels ≥0.1% is identified as a carcinogen by IARC, ACGIH, NTP or OSHA
Reproductive toxicity	No adverse effects known (not classified)
STOT - single exposure	Not classified
STOT - repeated exposure	Not classified
Aspiration hazard	Not applicable (solid)

SECTION 12: Ecological information

Toxicity to fish / daphnia / algae	Toxicity to fish: static test LC50 - Oncorhynchus mykiss (rainbow trout) - > 1,000 mg/l - 96 h (OECD 203) Toxicity to daphnia: static test EC50 - Daphnia magna - > 1,800 mg/l - 48 h (OECD 202) Toxicity to algae: static test ErC50 - Pseudokirchneriella subcapitata - > 1,800 mg/l - 96 h (OECD 201) Toxicity to bacteria: static test EC10 - activated sludge - > 320 mg/l - 3 h (OECD 209)
Persistence and degradability	Biodegradability aerobic - Exposure time 28 d - Result: 4% - Not readily biodegradable (OECD 301E)
Bioaccumulative potential	log Pow: -0.51 - bioaccumulation is not expected
Mobility in soil	Expected to be highly mobile in soil (high water solubility)
Other adverse effects	None known

SECTION 13: Disposal considerations

Product disposal methods	Offer surplus and non-recyclable product to a licensed disposal company. Dispose of in accordance with local regulations.
Contaminated packaging	Dispose of as unused product.

SECTION 14: Transport information

UN Number (ADR/RID, IMDG, IATA)	Not regulated as dangerous goods
UN Proper Shipping Name	Not regulated as dangerous goods
Transport hazard class(es)	Not regulated as dangerous goods
Packing group	Not regulated as dangerous goods
Environmental hazards (Marine	No

pollutant)	
Special precautions for user	No special precautions required during transport.

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product	EINECS: Listed (259-952-2) / TSCA: Listed / IECSC: Listed

SECTION 16: Other information

Full text of H-Statements	None
Revision date	2026-10-29
Version	1.0

Abbreviations and acronyms: CAS: Chemical Abstracts Service; EC: European Commission; EINECS: European Inventory of Existing Commercial Chemical Substances; ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road; RID: Regulation concerning the International Carriage of Dangerous Goods by Rail; IMDG: International Maritime Dangerous Goods; IATA: International Air Transport Association; TWA: Time Weighted Average; STEL: Short Term Exposure Limit; LD50: Lethal Dose 50%; LC50: Lethal Concentration 50%; EC50: Effective Concentration 50%; PBT: Persistent, Bioaccumulative and Toxic; vPvB: very Persistent and very Bioaccumulative; SDS: Safety Data Sheet.

References: ECHA - European Chemicals Agency, https://echa.europa.eu/; IPCS - International Chemical Safety Cards (ICSC), http://www.ilo.org/; HSDB - Hazardous Substances Data Bank; eChemPortal - OECD Global Portal to Information on Chemical Substances; ERG - Emergency Response Guidebook by U.S. DOT.

Disclaimer: The information in this SDS is only applicable to the specified product and is provided in good faith. It is based on the knowledge available to Richest Group Ltd. at the date of issue and is intended to describe the product for the purposes of health, safety and environmental requirements only. It does not constitute any guarantee of the properties of the product. Richest Group Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.