

Material Safety Data Sheet

Viachem, Ltd.

2701 Dallas Parkway Ste. 500

Plano, Texas 75093

Section 1—Product and Company Information

Product Name: Sucralose

Synonyms: 4.1',6'-trichloro-galacto-sucrose

Company: Viachem, Ltd.

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Plano, Texas 75093

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Section 2—Composition/ Information on Ingredient

FORMULA: C₁₂H₁₉Cl₃O₈

MOLECULAR WEIGHT: 397.64

CAS #: 56038-13-2

Sucralose is white to off white, crystalline powder. It is freely soluble in water, methanol, and alcohol. It is slight soluble in ethyl acetate. It functions as a nonnutritive sweetener/ flavor enhancer.

Section 3—Hazards Identification

HMIS Rating:

HEALTH: 0

FLAMMABILITY: 0

REACTIVITY: 0

NFPA Rating:

HEALTH: 0

FLAMMABILITY: 0

REACTIVITY: 0

Section 4—First Aid Measures

If used under ordinary circumstances no special treatment is necessary. Wash thoroughly after handling.

Oral Exposure: No special treatment required. Wash out mouth with water if needed.

Inhalation Exposure: No special treatment required. Move to fresh air if breathing becomes difficult.

Dermal Exposure: No special treatment required. Flush with copious amount of water if needed.

Eye Exposure: Flush with water if eyes become red and irritated.

Section 5 – Fire Fighting Measures

Flash Point: N/A

Auto Ignition Temperature: N/A

Flammability: N/A

Stable under normal conditions. Dust Hazard Classification (NFPA-68), the formation of flammable/explosive air/dust mixture is possible. Special consideration should be taken to ensure the potential for dust concentration in the flammable range is minimized.

Extinguishing Media: Suitable: Water spray, Carbon Dioxide, dry chemical powder, or appropriate foam.

Firefighting: Protective Equipment. Wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6—Accidental Release Measures

Procedure for Personal Precaution: Wear appropriate protective equipment

Methods for Cleaning Up: Sweep up, place in bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill area after material pickup is complete.

Section 7—Handling and Storage

Handling: Avoid creating dusty conditions. Worker exposure can be minimized if good industrial hygiene practices are utilized.

Storage: Store in a cool dry area and keep container tightly closed.

Section 8—Exposure Controls/Personal Protection

Engineering Controls: It is recommended that mechanical exhaust is utilized to minimize hazards contributed to dust explosions.

Personal Protective Equipment: Utilize appropriate PPE for handling of powders. Eye goggles, gloves and dust masks will create a more comfortable work environment.

General Hygiene Measures: Wash thoroughly after handling.

Section 9—Physical and Chemical Properties

Appearance: White to off-white solid powder

Odor: Practically odorless

Purity: (on dry basis) 98-102%

LOD: NMT 2.0%

Residue on Ignition: NMT 0.7%

Heavy Metals: NMT 10ppm

Methanol: NMT 0.1%

Section 10—Stability and Reactivity

Stability: Stable under normal conditions

Hazardous Decomposition Products: When heated at elevated temperatures may break down to carbon monoxide, carbon dioxide, and minor amounts of hydrogen sulfide gas.

Hazardous Polymerization: None

Section 11—Toxicological Information

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

Section 12—Ecological Information

Sucralose is biodegradable and poses no risk to the environment.

Section 13—Disposal Considerations

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

Section 14—Transportation Information

Sucralose is considered to be non-hazardous for ground, sea and air transport.

Section 15—Regulatory Information

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

Section 16—Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall only be used as a guide. Viachem, Ltd. extends no warranties and makes no representation as to the accuracy or completeness of the information contained herein. Users should make a determination of the suitability of the information for their particular purpose.