SucreSMART® Sucralose

IDENTIFICATION: SUCRALOSE

SECTION I: SUPPLIER

Anderson Advanced Ingredients
2030 Main Street, Suite 430, Irvine, CA 92614

Emergency and general information telephone: 949-502-4770

SECTION II: COMPOSITION

Ingredient: Sucralose

CAS#: 56038-13-2

Hazardous Components: None

SECTION III: HEALTH HAZARD DATA

ACUTE EFFECTS:

Routes of entry include skin or eye contact, inhalation, or ingestion

Skin: No know effects of this product resulting in skin contact
Eyes: May cause irritation on direct contact. Inflammation of the eye is characterized by redness, watering, and itching
Inhalation: Exposure by inhalation may cause respiratory irritation
Carcinogenicity: Not listed as carcinogen by OSHA, NTP, or IARC

CHRONIC EFFECTS:

None known

SECTION IV: FIRST AID MEASURES

Skin:
Wash off with soap and water. Get medical attention if irritation develops

Eyes:
Check for and remove any contact lenses. Flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention if irritation develops

Inhalation:
Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms persist

Ingestion:
Give plenty of water to drink. Get medical attention if symptoms persist

SECTION V: FIRE FIGHTING MEASURES

Fire Hazard:
Possibility of dust explosion. It is recommended that all dust control equipment and material transport systems involved are engineered to prevent conditions contributing to dust explosions.

Maximal explosion pressure P:
6.7 barg. Dust Class: ST-2. Kst: 225 bar.m.sec-1.

Minimum spark ignition energy:
0.40 Joules minimum ignition temperature 390°C (734°F).

Minimum explosion concentration for dust: 165g/M^3 (0.165 oz/Ft^3) (similar to a dense fog)

Fire Fighting Process:
Wear self-contained breathing apparatus and full protective gear. Use water spray to cool fire exposed containers.

SECTION VI: ACCIDENTAL RELEASE MEASURES

Spill Clean Up:
Dispose of in accordance with local and state regulatory requirements

SECTION VII: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:
See NFPA 61, Standard for the Prevention of Fire and Dust Explosions in Agricultural and Food Processing Facilities, 2008 Edition, and other related standards. Use with adequate ventilation. Minimize dust generation and accumulation; dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are disturbed. All dust control equipment and material transport systems involved are engineered to prevent conditions contributing to dust explosions and may require explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Bonding and grounding systems may be required.

Dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) should be designed to limit or prevent leakage of dust into the work area. Do not allow dust to accumulate on flat surfaces, on rafters or building structural components. Routine housekeeping should be instituted to reduce dust accumulation. Use Avoid dispersal of dust in the air; use vacuum or wet sweeping methods. Do not use compressed air to clean surfaces.

Keep away from all ignition sources including heat, sparks, and flame. Where dust accumulations occur use non-sparking tools.

Storage:
Sucralose store in a Controlled Room with temperature below 77°F (25°C) as defined by USP/NF. Storage temperature should not exceed 95°F (35°C) for more than 72 hours in succession. Sucralose should be stored in a well-closed container in a dry place, and away from odoriferous materials. Reseal left over materials for future usage.

Prevention of Exposure:
Properly packaged in food-grade polyethylene bags with exterior fiber Suitable Storage Media: Fiber drums

SECTION VIII: EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits:
Nuisance dust (also called particulate not otherwise regulated (PNOR)).

- OSHA PEL: 15 mg/ mg/M³ Total dust, 5 mg/M³ Respirable dust
- ACGIH TLV: 10 mg/M³ Inhalable dust, 5 mg/M³ Respirable dust, 15 mg/M³ Total dust

Exposure controls:

APPROPRIATE ENGINEERING CONTROLS:

- Ventilation: See NFPA 61, Standard for the Prevention of Fire and Dust Explosions in Agricultural and Food Processing Facilities, 2008 Edition, and National Fire Protection Association 650, Standard for Pneumatic Conveying Systems for Handling Combustible Materials, 1997 Edition and other related standards. Normal industrial hygiene measures should be sufficient for protection of employees from exposure to dusts. Local and mechanical exhaust is desirable when dumping bags.

Eye / Face protection: Safety glasses are recommended. Safety goggles are desirable

Skin Protection: Wear appropriate protective gloves to prevent skin exposure.

Respiratory Protection: NIOSH approved N-95 dust respirator if working in situations that could generate large amounts of airborne dust.

Emergency wash facilities: Eye wash is recommended for conditions where dust generation is likely.

Other/General Protection: Use good industrial hygiene practices.

SECTION IX: PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance & Odor: Whit to off-white powder with characteristic aroma and taste

Boiling Point: 130 C **Molecular Weight:** 397.64 g/mol **Vapor Pressure:** < 1 mmHg

Flash Point: 358.7 C **Specific Gravity:** 1.66 (20 C) **Solubility In Water:** 30% w/v at 25 C (77 F)

SECTION X: REACTIVITY AND STABILITY

Reactivity & Stability: Stable under normal conditions

Incompatibility: High temperature, high humidity

Hazardous Decomposition Products: When heated to decomposition (> 120°C), material emits toxic fumes. Emits toxic fumes under fire conditions.

SECTION XI: TOXICOLOGICAL INFORMATION

Not known to be toxic. No formal toxicological information determined.

SECTION XII: ECOLOGICAL INFORMATION

Ecotoxicity: N/A

Biodegradable/OECD: N/A

SECTION XIII: DISPOSAL CONSIDERATION

Waste must be disposed of in accordance with federal, state, and local pollution control regulations

SECTION XIV: TRANSPORT INFORMATION

Proper Shipping Name: Sucralose

DOT Classification: Not regulated by DOT

Bill of Lading Information: No special information needed

SECTION XV: REGULATORY INFORMATION

US Federal Regs: Sara 313 toxic chemical notification and release reporting: No products found

Clean Water Act (CWA) 311: No products found
Clean Air Act (CAA) 112 regulated toxic substances: No products found
All components of the product are listed or exempt from listing on TSCA inventory

SECTION XVI: OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate. However, Anderson Advanced Ingredients assumes no liability whatsoever for the accuracy or completeness contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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