



# SUNVISION SWEET CO., LTD.

Chemical Park Area, Dongdu Town, Xintai City, Shandong P.R. China

## Material Safety Data Sheet

### Sucralose

#### 1. Material Identification

Trade Name: Sucralose

Brand: Sunvision

Synonyms: S TGS; Trichlorogalactosucrose

Company name: Sunvision Sweet Co., Ltd

Company's address: Chemical Park Area, Dongdu Town, Xintai City, Shandong P.R.China,27122

Emergency Telephone:+86-538-7382888

Fax:+86-538-7382888

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#### 2. Composition/Information on ingredients

CAS # 56038-13-2

Chemical Name: 1,6-Dichloro-1,6-dideoxy- $\beta$  -D-fructofuranosyl-4-chloro-4-deoxy- $\alpha$  -D-galactopyranoside

Chemical family: Chlorinated Carbohydrate

Molecular Formula: C<sub>12</sub>H<sub>19</sub>O<sub>8</sub>Cl<sub>3</sub>

Molecular weight: 379,63g/mol

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#### 3. Hazards Identification

3.1 :Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

3.2:Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

3.3:Other hazards - none

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#### 4. Emergency and First Aid Procedures on Exposure

No special treatment 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 skin with plenty of water.

**Skin:** No special treatment under normal circumstances. Flush skin with plenty of water.

**Ingestion:** No special treatment under normal circumstances.

**Inhalation:** No special treatment under normal circumstances. Remove from exposure and move to fresh air immediately.

**Notes to Physician:** Sucralose is safe for human consumption based on extensive toxicological studies. Material is an intensely sweet, crystalline powder. Exposure to high airborne concentration may cause mild respiratory irritation.

#### 5 . Fire fighting measures

**Fire fighting measures:** Stable under normal conditions. Dust Hazard Classification (NFPA-68) Is St-2, the formation of flammable/explosive air/dust mixtures is possible. Appropriate measures should be employed to minimize the potential for dust concentrations in the flammable range. It is recommended that all dust control equipment and material transport systems involved are engineered to prevent conditions contributing to dust explosions.

**Flammable Properties:** Stable under normal conditions. Sucralose, when heated at elevated temperatures, may break down with the release of carbon dioxide, carbon monoxide and minor amounts of hydrogen chloride. Heavy concentrations



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of sucralose dust may create conditions contributing to dust explosions.

**Fire and Explosion Hazards:** Minimum spark ignition energy 0.04Joules

Minimum ignition temperature 390 °C

Minimum explosion concentration for dust 16.5g/M (similar to a dense fog)

**Extinguishing Media:** Use any media which is suitable for the surrounding fire

**Fire Fighting Instructions:** Wear self-contained breathing apparatus and full protective gear.

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## 6. : Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapours, mist or gas.

For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

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## 7. Handling and Storage

**Handling:** Avoid creating dusty conditions. While no special respiratory protection is required, a dust mask, gloves and other good industrial hygiene practices to minimize worker exposure will result in a more comfortable work environment.

**Storage:** Store in a cool dry area in manufacturer's supplied packaging.

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## 8. Exposure controls, personal protection

**Engineering Controls:** It is recommended that all dust control equipment and material transport systems involved are engineered to prevent conditions contributing to dust explosions.

PERSONAL PROTECTIVE EQUIPMENT

**Eye/Face Protection:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

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

**Respiratory Protection:** While no special respiratory protection is required, a dust mask, gloves and other good industrial hygiene practices to minimize worker exposure will result in a more comfortable work environment.

**Other/General Protection:** Use good industrial hygiene practices

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## 9. Physical and chemical properties

Appearance: White to off-white, fine powder

Odor: Practically odorless

Odor Threshold: Not available

pH: Neutral in aqueous solution

Vapor Pressure: < 1 mmHg



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Viscosity: Not available.

Boiling Point: Not available.

Melting Point: 130°C with Decomposition

Solubility in water: Complete 30% w/v at 25°C

Molecular Formula: C<sub>12</sub>H<sub>19</sub>CL<sub>3</sub>O<sub>8</sub>

Molecular Weight: 397.64

Flash point: no data available

Evaporation rate: no data available

Flammability : (solid, gas) no data available

Upper/lower: no data available

flammability or explosive limits

Vapour pressure: no data available

Vapour density: no data available

Relative density: no data available

Water solubility: no data available

Partition coefficient n-octanol/water: no data available

Auto-ignition temperature: no data available

Decomposition temperature: no data available

Viscosity: no data available

Explosive properties: no data available

Oxidizing properties: no data available

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## 10: Stability and reactivity

**Chemical Stability:** Stable under normal temperatures and pressures. Sucralose, when heated at elevated temperatures, may break down with the release of carbon dioxide, carbon monoxide and minor amounts of hydrogen chloride.

**Conditions to Avoid:** Avoid prolonged storage at elevated temperatures (> 38 °C).

**Incompatible Materials:** None

**Hazardous Decomposition Products:** Carbon dioxide, carbon monoxide and minor amounts of hydrogen chloride.

**Conditions to Avoid (Polymerization):** None

**Hazardous Polymerization:** None

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## 11. Toxicological information

### Information on toxicological effects

**Acute toxicity:** no data available

**Skin corrosion/irritation:** no data available

**Serious eye damage/eye irritation:** no data available

**Respiratory or skin sensitization:** no data available

**Germ cell mutagenicity:** no data available

### Carcinogenicity

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity:** no data available

**Specific target organ toxicity - single exposure:** no data available

**Specific target organ toxicity - repeated exposure:** no data available



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**Aspiration hazard:** no data available

## Additional Information

**RTECS:** Not available

## 12: Ecological information

Toxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required /not conducted

Other adverse effects: no data available

## 13. Disposal considerations:

No special disposal considerations

Dispose in accordance with federal, state and local regulations.

## 14. Transport information:

14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

14.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

14.6 Special precautions for user

no data available

## 15. Regulatory Information:

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture: no data available

15.2 Chemical Safety Assessment: For this product a chemical safety assessment was not carried out

## 16. Other information:

Date of issue: Feb ,2020

MSDS Version No: 20200201

The information above is believed to be accurate and represents the best information currently available to us.



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