

MATERIAL SAFETY DATA SHEET

Xylitol E967 MSDS

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XYLITOL

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND THE COMPANY UNDERTAKING

SUBSTANCE/PREPARATION:

XYLITOL

TRANENAME/SYNONYMS:

XYLITOL C, XYLITOL CS, XYLITOL CM .

CHEMICAL FAMILY:

Pentahydroxypentone

MOLECULAR FORMULA:

C₅H₁₂O₅

MOLECULAR WEIGHT:

152.15

CAS NO.:87-99-0

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	PERCENT
XYLITOL	98.5-101.0

3. HAZARD IDENTIFICATION

SKIN CONTACT:

SHORT TERM EFFECTS: No information is available.

LONG TERM EFFECTS: May cause irritation in susceptible individuals.

EYE CONTACT:

SHORT TERM EFFECTS: No information is available.

LONG TERM EFFECTS: May cause irritation with direct contact in susceptible individuals.

INHALATION:

SHORT TERM EFFECTS: No information is available.

LONG TERM EFFECTS: Prolonged exposure as a nuisance particle may result in respiratory

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cause irritation irritation insusceptible individuals or those with respiratory conditions.

INGESTION:

SHORT TERM EFFECTS: No information is available.

LONG TERM EFFECTS: Prolonged exposure as a nuisance particle may result in respiratory cause irritation irritation insusceptible individuals or those with respiratory conditions.

4.FIRST AID MEASURES

SKIN CONTACT:

Remove contaminated clothing and shoes immediately. Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains. Seek medical attention if needed.

EYE CONTACT:

Wash eyes immediately with large amounts of water or normal saline, occasionally lifting upper and lower lids, until no evidence of chemical remains (at least 15-20 minutes). Obtain medical attention immediately.

INHALATION:

Remove from exposure area immediately. treat symptomatically and supportively. Seek medical attention if needed.

ANTIDOTES:

No specific antidote. treat symptomatically and supportively.

5.FIRE-FIGHTING MEASURES

FIRE CONTROL

Dry chemical, carbon dioxide, water spray or regular foam,
For largers, use water spray, fog or regular foam.

FIRE AND EXPLOSION HAZARD:

Slight fire hazard when exposed to heat or flame.
Dust-air mixtures may ignite or explode.

FIRE-FIGHTING:

Move container from fire area if possible without risk. Do not scatter spilled material with High-pressure water streams. Dike fire-control water for later disposal .
Use agents suitable for type of surrounding fire. Avoid breathing hazardous vapours, keep upwind.

6.ACCIDENTAL RELEASE MEASURES

OCCUPATIONAL SPILL

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Sweep up and place in suitable containers for disposal. Do not flush spilled material into sewer.

7. HANDLING AND STORAGE

HANDLING:

Provide local exhaust or general dilution ventilation system.

STORAGE:

Observe all appropriate regulations when storing this substance.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS:

No permissible exposure limits established by danisco.

PERSONAL PROTECTION:

EYE PROTECTION:

Employee should wear splash-proof or dust resistant safety goggles to prevent eye contact with this Substance.

EMERGENCY EYE WASH:

Where there is any possibility that an employee's eyes may be exposed to the substance, the employer should provide an eye wash fountain within the immediate work area for emergency use.

CLOTHING:

Employee should wear appropriate protective clothing and prevent repeated prolonged skin contact with this substance. gloves to prevent contact with

GLOVES:

Employee should wear appropriate protective gloves to prevent contact with this substance.

RESPIRATOR:

The following respirators are recommended based on information found in the physical data, toxicity and health effects sections, They are ranked in order from minimum to maximum respiratory protection.

The specific respirator selected must be based on contamination levels found in the work place and the specific operation, contamination levels in the work place must not exceed the working limits of the respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

White crystalline or milled powder with a very sweet, cool taste.

FLASH POINT :

No data available.

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AUTOIGNITION
TEMPERATURE: No data available

BOILING POINT: 215-217 °C

MELTING POINT: 92-96°C

SPECIFIC DENSITY: 1.515g/cm³

WATER SOLUBILITY: Highly soluble(1.6g/ml@20°C)

PH: 5.0 to 7.0

SOLVENT SOLUBILITY: Soluble in alcohols ,pyridine

10.STABILITY AND REACTIVITY

CONDITIONS TO AVOID:

May burn but does not ignite readily. Avoid contact with strong oxidizers, excessive heat, sparks or open flame.

REACTIVITY:

Stable under normal temperatures and pressures.

INCOMPATIBILITIES:

No data available.

HAZARDOUS DECOMPOSITION:

Thermal decomposition may release toxic and/or hazardous gases.

POLYMERISATION:

Hazardous polymerization has not been reported to occur under normal temperature and pressure.

11.TOXICOLOGY AND INFORMATION

22mg/kg oral-mouse LD 50;22,100mg/kg intraperitoneal-mouse.LDLo;3770mg/kg intravenous-mouse LD50;4000mg/kg intravenous-rabbit LD50.

CARCINOGEN STATUS:

None

ACUTE TOXICITY LEVEL:

Relatively non-toxic by ingestion.

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TARGET EFFECTS:

No data available.

HEALTH EFFECTS

INHALATION:

ACUTE EXPOSURE: No data available.

CHRONIC EXPOSURE: No data available.

SKIN CONTACT:

ACUTE EXPOSURE: No data available.

CHRONIC EXPOSURE: No data available.

EYE CONTACT:

ACUTE EXPOSURE: No data available.

CHRONIC EXPOSURE: No data available.

INGESTION:

ACUTE EXPOSURE: No data available.

CHRONIC EXPOSURE: The US Food and Drug Administration (FDA) lists xylitol as an approved food additive for special dietary use. Xylitol is approved for use in foods in approximately 50 countries.

12.ECOLOGICAL INFORMATION

ENVIRONMENTAL IMPACT RATING:

No data available.

ACUTE AQUATIC TOXICITY

No data available.

DEGRADABILITY :

No data available.

LOG BIOCONCENTRATION FACTOR:

No data available

LOG OCTANOL/WATER PARTITION COEFFICIENT:

No data available

13.DISPOSAL CONSIDERATIONS

Observe all federal, state and local regulations when disposing of this substance.

14.TRANSPORT INFORMATION

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The MSDS should accompany all shipment for reference in the event of spillage or accidental release.
No classification currently assigned.

15. REGULATORY INFORMATION

EUROPEAN UNION CLASSIFICATION AND LABELLING REQUIREMENTS:
European Union labeling requirements not determined.

16. OTHER INFORMATION

INFORMATION ON HAZARD LABELLING:
To be determined.

REFERENCES:
To be determined.

If you need more information, please visit www.foodsweeteners.com