

1. PRODUCT AND COMPANY IDENTIFICATION

Brandname C*Sweet M 01527
Product name Glucose syrup, contains Sulphur dioxide
REACH status Compliant
REACH register no. 01-2119537290-46
Revision date 06-06-2011

Intended use:
Sweetener in food applications

Company identification

Cargill S.r.l. Divisione Amidi Derivati Specialità
Via Cerestar n.1
45035 Castelmassa (Ro)
Italia

Non emergency telephone

Fax number +39 0425 840784

E-mail address infoitaly@cargill.com, Alessandro_Angelini@cargill.com

Emergency telephone

Emergency telephone +39 0425 8481

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification

Not classified.

Classification according to Regulation (EC) No 1272/2008 as amended

Hazard summary

Physical hazards

Not classified for physical hazards.

Health hazards

Not classified for health hazards.

Environmental hazards

Not classified for hazards to the environment.

Specific hazards

Hot material will produce thermal burns.

Main symptoms

Prolonged or repeated contact may dry skin and cause irritation.

Precautionary statements**Prevention**

Not assigned.

Response

Not assigned.

Storage

Not assigned.

Disposal

Not assigned.

Supplemental label information

None.

Other hazards

Not assigned.

Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Hazard statement

The substance does not meet the criteria for classification.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	EC#
Glucose syrup ex maize	8029-43-4	232-436-4
Glucose syrup ex wheat		931-687-3

4. FIRST AID MEASURES

Description of first aid measures**Inhalation**

If symptomatic, move to fresh air. Get medical attention if symptoms persist.

Skin contact

Wash skin with soap and water. Get medical attention promptly if symptoms occur after washing. If burned by contact with hot material, cool molten material adhering to skin as quickly as possible with water, and see a physician for removal of adhering material and treatment of burn. Get medical attention.

Eye contact

Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention promptly if symptoms occur after washing. If molten material contacts the eye, immediately flush with plenty of water for at least 15 minutes. Get medical attention immediately.

Ingestion

First aid is normally not required. However, if greater than 1/2 liter (pint) ingested, seek medical attention.

Most important symptoms and effects, both acute and delayed

Exposure to hot material may cause thermal burns. Prolonged or repeated skin contact may cause drying, cracking, or irritation.

Indication of any immediate medical attention and special treatment needed

Burns should be treated as thermal burns.

5. FIREFIGHTING MEASURES**General fire hazards**

The product is not flammable.

Extinguishing media**Suitable extinguishing media**

Use appropriate extinguishing media for any nearby fire.

Unsuitable extinguishing media

None known.

Special hazards arising from the substance or mixture

None known.

Advice for firefighters**Special protective equipment for firefighters**

Self-contained breathing apparatus, operated in positive pressure mode and full protective clothing must be worn in case of fire.

Special firefightings procedures

None known.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel

Wear appropriate personal protective equipment (See Section 8).

For emergency responders

Keep unnecessary personnel away.

Environmental precautions

Environmental manager must be informed of all major releases.

Methods and material for containment and cleaning up

Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

Large Spills: Flush area with water. Prevent runoff from entering drains, sewers, or streams. Dike for later disposal.

Reference to other sections

For personal protection, see section 8 of the MSDS. For waste disposal, see Section 13 of the MSDS.

7. HANDLING AND STORAGE

Precautions for safe handling

Observe good industrial hygiene practices. Avoid contact with molten material.

Conditions for safe storage, including any incompatibilities

Keep container closed.

Bulk Storage: Bulk storage vessels are normally required to be heated to maintain the syrup as a liquid. These should be insulated to prevent risk from contact with hot surfaces. Pipe lines should normally be heat traced to prevent solidification and/or reduce viscosity for pumping, and insulated to reduce the contact hazard to personnel.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters**Occupational exposure limits**

No exposure limits noted for the ingredient(s).

Biological limit values

No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures

Not established.

DNEL

Not available.

PNEC

Not available.

Exposure controls

Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

General information

Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection

Wear safety glasses with side shields (or goggles). Wear a face shield when working with molten material.

Skin protection

Hand protection

Chemical resistant gloves are recommended. When material is heated, wear gloves to protect against thermal burns.

Other

Wear chemical-resistant gloves, footwear and protective clothing appropriate for risk of exposure. Contact glove manufacturer for specific information.

Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister.

Thermal hazards

Not applicable.

Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental exposure controls

Environmental manager must be informed of all major releases.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Clear, viscous liquid.
Odour	Neutral
Odour threshold	Not available.
pH	3,5 - 6
Melting Point/ freezing point	Not available.
Boiling point, initial boiling point and boiling range	Not available.
Flash Point	Not available.

Auto-ignition temperature	Not available.
Flammability (solid, gas)	Not applicable.
Flammability limit lower	Not applicable.
Flammability limit upper	Not applicable.
Oxidising properties	Not applicable.
Explosive properties	Not applicable.
Explosive limit	Not applicable.
Vapour pressure	< 0.001 mmHg at 25°C
Vapour density	Not available.
Evaporation rate	Not available.
Relative density	1,35 - 1,45 (25°C)
Solubility in water	very soluble
Partition coefficient (Log K octanol/water)	(log Kow) less than -2.
Decomposition temperature	Not available.
Viscosity	Not available.
Percent volatile	Not available.

Other information

No relevant additional information available.

10. STABILITY AND REACTIVITY

Reactivity

None known.

Chemical stability

Stable under the prescribed storage conditions.

Possibility of hazardous reactions

Hazardous polymerization does not occur.

Conditions to avoid

Excessive heat.

Incompatible materials

Strong oxidizing agents.

Hazardous combustion products

No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

General information

Hot material will produce thermal burns. Under normal conditions of intended use, this material does not pose a risk to health.

Information on likely routes of exposure

Ingestion

No harmful effects expected in amounts likely to be ingested by accident.

Inhalation

Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

Skin contact

Prolonged or repeated skin contact may cause drying, cracking, or irritation.

Eye contact

Direct contact with eyes may cause temporary irritation.

Symptoms

Hot material will produce thermal burns. Prolonged or repeated skin contact may cause drying, cracking, or irritation.

Information on toxicological effects**Acute toxicity**

Hot material will produce thermal burns. Prolonged or repeated skin contact may cause drying, cracking, or irritation.

Skin corrosion/irritation

Prolonged or repeated skin contact may cause drying, cracking, or irritation.

Serious eye damage/eye irritation

Direct contact with eyes may cause temporary irritation.

Respiratory sensitization

None known.

Skin sensitization

None known.

Germ cell mutagenicity

Not assigned.

Carcinogenicity

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive toxicity

None known.

Specific target organ toxicity - single exposure

None known.

Specific target organ toxicity - repeated exposure

None known.

Aspiration hazard

Not applicable.

Mixture versus substance information

Not available.

Other information

Not available.

12. ECOLOGICAL INFORMATION**Toxicity**

No toxicity data noted for the ingredient(s).

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility

Not available.

Environmental fate - Partition coefficient

Not available.

Mobility in soil

Not available.

Results of PBT and vPvB assessment

Not available.

Other adverse effects

None known.

13. DISPOSAL CONSIDERATIONS**Waste treatment methods****Residual waste**

Dispose of in accordance with local regulations.

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

EU waste code

Waste codes should be assigned by the user based on the application for which the product was used.

14. TRANSPORT INFORMATION**Transport hazard class(es)**

ADR

Not regulated as dangerous goods.

RID	Not regulated as dangerous goods.
ADN	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

15. REGULATORY INFORMATION

Other regulations

The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

16. OTHER INFORMATION

List of abbreviations

Not available.

REFERENCES

Not available.

Full text of any statements or R- and H-phrases under section 2 to 15

None.

Revision information

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