

GOLD ICE®

Section 1 Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier

Product Code : **Gold Ice**
Product Name : **Gold Ice**

1.2 Relevant identified uses of the substance or mixture and uses advised against

Description/Use : **Gold Ice** is a device containing a gelatinous substance with heat accumulation properties. Gold Ice is usually used in thermostatisation of packages for the internal temperature control. Gold Ice device consists of a packaging film compatible with food product ensuring maximum flexibility for all applications.
Do not open or perforate the package.
The substance used to manufacture Green Ice ULTRA device is inedible; so ingestion of the substance is strictly prohibited

Identified uses : Industrial Professional Consumer
✓ ✓ -

Uses advised against : Not suitable for medical uses or applications by inhalation

1.3 Identification of the company/undertaking

Company : Dryce S.r.l.
Via Aosta, 5 – Cernusco sul Naviglio – 20063 Milano
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Section 2 Hazards Identification

What stated below refers to the substance used to produce Gold Ice device.

Gold Ice device is not considered to be dangerous in the absence of leakage of the substance contained in the package.

2.1 Classification of the substance or mixture.

The product is not classified as dangerous according to the provisions laid down in Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adjustments).

Classification and hazard indication:

2.2 Label elements.

Pictograms : -
Signal word : -
Hazard statement(s) : -
Precautionary statement(s) : -

The product does not require hazard labelling in compliance with Regulation (EC) 1272/2008 (CLP) and subsequent amendments and adjustments.

2.3 Additional hazards.

Based on available data, the product does not contain PBT and vPvB substances in percentage greater than 0,1%

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Section 3 Composition/Information on Ingredients

What stated below refers to the substance used to produce Gold Ice device.

Gold Ice device is not considered to be dangerous in the absence of leakage of the substance contained in the package.

3.1. Substances.

Non-hazardous ingredients according to EC 1907/2006 Regulation

3.2. Mixtures.

Non-relevant information.

Section 4 First Aid Measures

What stated below refers to the substance used to produce Gold Ice device.

Gold Ice device is not considered to be dangerous in the absence of leakage of the substance contained in the package.

4.1 Description of first aid measures

- EYES** : Check for and remove any contact lenses. Immediately wash eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. In all cases of doubt, or when symptoms persist, seek medical attention.
- SKIN** : Remove contaminated clothing and shoes. Wash skin immediately with plenty of water. In all cases of doubt, or when symptoms persist, seek medical attention.
Wash contaminated clothing before reuse.
- INHALATION** : Move the victims to fresh air. In case of difficulty breathing, seek immediately medical advice.
- INGESTION** : Seek immediately medical advice. Induce vomiting only if directed to do so by medical personnel. Never give anything by mouth to an unconscious person unless directed to do so by medical personnel

4.2 Main symptoms and effects, both acute and delayed

For symptoms caused by contained substances, see sec. 11.

4.3 Indication of necessity to consult a doctor immediately or of special treatments

Information not available.

Section 5 Fire-fighting measures

5.1 Extinguishing media

- SUITABLE EXTINGUISHING MEDIA** : The extinguishing media are the typical ones: carbon dioxide, foam, chemical powder and water spray.
- EXTINGUISHING MEDIA WHICH SHALL NOT BE USED FOR SAFETY REASON** : Do not use water jets. Water is not effective to extinguish a fire. However, it can be used to cool down closed containers exposed to flames to prevent blasts and explosions.

5.2 Special hazard arising from the substance or mixture

- HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE** : Pressure may raise in containers exposed to flames, increasing risks of explosion. Avoid breathing products of combustion.

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5.3 Advice to firefighters

GENERAL INFORMATION

: Cool down containers with water jets to avoid product decomposition and the development of potentially hazardous substances to health. Always wear complete fire-fighting equipment. Collect extinguishing waters which must not dispose in sewers. Dispose of the contaminated water used to extinguish fire according to regulations in force.

EQUIPAGGIAMENTO

: Normal fire-fighting clothing, i.e. protective fire kits (EN469), gloves (EN659) and boots (HO A29 or A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (EN 137).

Section 6 Accidental Release Measures

What stated below refers to the substance used to produce Gold Ice device.

Gold Ice device is not considered to be dangerous in the absence of leakage of the substance contained in the package.

6.1 Personal precautions, protective equipment and emergency procedures.

Stop leak if without risk.

Wear appropriate protective equipment, included personal protective equipment (see section 8 of this material safety data sheet) in order to prevent contamination of skin, eyes and clothing. These guidelines apply to both authorized staff and those involved in emergency handling.

6.2 Environmental Precautions

The product must not penetrate the sewers, surface waters and ground waters.

6.3 Methods and materials for containment and cleaning up

Suck leaked product into a suitable container made of material compatible with the product (see section 10).

Soak up any leaked product with absorbent inert material.

Make sure the leakage site is well aired. Check any incompatibility of product with material containers (see section 7).

Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4 Reference to other sections

Any information on personal protection and disposal is given in section 8 and 13.

Section 7 Handling and Storage

7.1 Precautions for safe handling

Avoid eye and skin contact. Do not breathe powders, fumes or vapours.

Avoid the dispersion of the product into the environment. Operate in well-ventilated areas. Avoid flames or sparks. Do not eat, drink or smoke when handling the product. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities

Store the product in their original containers. Keep the product in containers clearly labelled. Keep the containers hermetically shut. Absolutely avoid contact with water or that the product absorbs humidity. Avoid violent impacts. Avoid overheating. Store in a well-ventilated area, away from ignition sources. Keep the containers away from incompatible materials, checking sec. 10.

7.3 Specific End Use(s)

Information not available.

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Section 8 Exposure Controls/Personal Protection

What stated below refers to the substance used to produce Gold Ice device.

Gold Ice device is not considered to be dangerous in the absence of leakage of the substance contained in the package.

8.1 Control parameters

Information not available.

8.2 Exposure control

General safety measures when handling chemicals are applicable.

HAND PROTECTION : Not required.

SKIN PROTECTION : Not required.

EYE PROTECTION : Not required.

RESPIRATORY PROTECTION : Not required, save different indication in chemical risk evaluation.

ENVIRONMENT EXPOSURE CHECKS : Productive processes emissions, included those from ventilation apparatus, should be checked for compliance with environment protection regulation.

Section 9 Physical and Chemical Properties

What stated below refers to the substance used to produce Gold Ice device.

Gold Ice device is not considered to be dangerous in the absence of leakage of the substance contained in the package

9.1 Information on Basic Physical and Chemical Properties

Appearance : Viscous liquid.
Colour : Colorless
Odour : Soft.
Olfactory threshold : Not available
Ph : Not available
Melting point or freezing point : 21°C
Initial boiling point. : Not available
Boiling range. : Not available.
Flash point : >60°C
Evaporation rate : Not available
Flammability of solids and gases. : Not available
Lower flammability limit : Not available
Upper flammability limit : Not available
Lower explosive limit : Not available
Upper explosive limit : Not available
Vapor pressure : Not available
Vapor density : Not available
Relative density : 0,95 kg/l in solid form
Solubility : insoluble in water.
Partition coefficient: : Not available

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n-octanol/water	
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
Viscosity	: 9,05 mPa.s (25°C)
Explosive properties	: Not available
Oxidizing properties	: Not available

9.2 Other information

Information not available.

Section 10 Stability and Reactivity

What stated below refers to the substance used to produce Gold Ice device.

Gold Ice device is not considered to be dangerous in the absence of leakage of the substance contained in the package.

- | | | |
|-------------|---|---|
| 10.1 | Reactivity | : No specific reactivity hazard associated with this product in normal condition of use. |
| 10.2 | Chemical Stability | : The product is stable in normal conditions of use and storage. |
| 10.3 | Possibility of hazardous reactions | : No hazardous reactions are foreseeable in normal conditions of use and storage.

Stable under recommended storing condition |
| 10.4 | Conditions to avoid | : None in particular. However, the usual precautions used for chemical products should be respected. |
| 10.5 | Incompatible materials | : Strong oxidising agents. |
| 10.6 | Hazardous decomposition products | : Information not available |

Sezione 11 Informazioni Tossicologiche

What stated below refers to the substance used to produce Gold Ice device.

Gold Ice device is not considered to be dangerous in the absence of leakage of the substance contained in the package.

11.1 Information on toxicological effects

Evaluation: the substance does not show acute oral toxicity. Observations: the given information is based on data gathered from similar substances.

Crodatherm 21
LD50 (Oral).> 2000 mg/kg estimated

Section 12 Ecological Information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

12.1 Toxicity

Information not available

12.2 Persistence and Degradability

Observation: biodegradable as expected
the given information is based on data gathered from similar substance.
Information gathered from reference works and archives

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12.3 Bio-accumulative Potential
Information not available

12.4 Mobility in soil
Information not available

12.5 Results of PBT and vPvB assessment
On the bases of available data, this product does not contain any PBT or vPvB substances greater than 0,1%

12.6 Other adverse effects
Information not available

Section 13 Disposal Considerations

13.1 Waste treatment methods
Reuse, if possible. Remains of the products are to be considered non-hazardous special waste.
Waste disposal must be entrusted to a company authorized to waste management, in compliance with the national and local legislation.

CONTAMINATED PACKAGES
Contaminated packages must be sent for recovery or disposal in compliance with national regulation on waste management.

Sezione 14 Transport Information

14.1 ONU Number.
Not applicable

14.2 Appropriate ONU shipping name.
Not applicable

14.3 Hazard classes for transportation.
Not applicable

14.4 Packaging group.
Not applicable

14.5 Environmental hazards.
Not applicable

14.6 Special precautions for users.
Not applicable

14.7 Carry bulk according to ANNEX II of MARPOL 73/78 and IBC code.
Non-relevant information.

Section 15 Regulatory information

15.1 Safety, health and environmental regulations/legislations specific for the substance or mixture
Seveso category. None.

Restrictions related to the product or the substances contained according to ANNEX XVII Regulation (EC) 1907/2006.

None.

Substances in Candidate List (Art. 59 REACH).

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None.

Substances subject to authorization (ANNEX XIV REACH).

None.

Substances subject to export notification obligation Reg. (EC) 649/2012:

None.

Substances subject to Rotterdam convention:

None.

Substances subject to Stockholm convention:

None.

Health assessment.

Not available

15.2 Chemical safety assessment

No chemical safety assessment has been performed for the mixture and substances contained.

Section 16 Other information

LEGEND:

- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Concentration of a compound where 50% of its maximal effects is observed
- EC NUMBER: identifier number in ESIS (European Chemical Substances Information System)
- CLP: Regulation (EC) n° 1272/2008
- DNEL: Derived no-effect level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System for the Classification and Labeling of Chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulations
- IC50: Inhibitory Concentration
- IMDG: International Maritime Dangerous Goods Code
- IMO: International Maritime Organization
- INDEX NUMBER: Index number in Annex VI to CLP
- LC50: Lethal Concentration (50%)
- LD50: Lethal Dose 50% - OEL: Occupational exposure limit
- OEL: Occupational exposure limit
- PBT: Persistent Bioaccumulative and Toxic according to REACH
- PEC: Predicted Environmental Concentration
- PEL: Permissible Exposure Limits
- PNEC: Predicted no-effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the International Carriage of Dangerous Goods by Road
- TLV: Threshold Limit Value
- TLV CEILING: absolute exposure limit that should not be exceeded at any time
- TLV STEL: - TLV Short-Term Exposure Limit
- TLV TWA: TLV Time-Weighted Average
- VOC: Volatile Organic Compound

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- vPvB: very Persistent and very Bioaccumulative
- WGK: German water hazard

GENERAL BIBLIOGRAPHY:

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
 3. Regulation (EC) 790/2009 (I Apt. CLP) of the European Parliament
 4. Regulation (EC) 2015/830 of the European Parliament
 5. Regulation (EC) 286/2011 (II Apt. CLP) of the European Parliament
 6. Regulation (EC) 618/2012 (III Apt. CLP) of the European Parliament
 7. Regulation (EC) 487/2013 (IV Apt. CLP) of the European Parliament
 8. Regulation (EC) 944/2013 (V Apt. CLP) of the European Parliament
 9. Regulation (EC) 605/2014 (VI Apt. CLP) of the European Parliament
- The Merck Index 10th edition
 - Handling Chemical Safety
 - INRS – Fiche Toxicologique (toxicological sheet)
 - Patty – Industrial Hygiene Toxicology
 - N.I. Sax – Dangerous properties of Industrial Materials – 7, 1989 Edition
 - ECHA Website

Indication of Changes: Revised safety data sheet for the updating of the Logo.

This safety data sheet has been compiled in compliance with European Directives in force and is applicable to all the countries which have included those Directives into their national legislation. The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee of any specific product property.

The use of this product is not subject to our direct control; therefore users must under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

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