

INFORMATION DATA SHEET

(This data sheet should not be considered a safety data sheet for the purposes of Article 31 of Regulation (EC) No. 1907/2006 (REACH).



D-GI-SI4-Silver Ice 4

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/ENTERPRISE.

1.1 Product Identifier.

Product Name: Silver Ice 4
Product Code: D-GI-SI4

1.2 Relevant identified uses of the substance or mixture and discouraged uses.

The device is designed to contain a phase change material (PCM) and is used in packaging intended for the transport of temperature-sensitive products. Its main function is to protect these products from temperature changes that could compromise their quality or integrity. PCM absorbs or releases heat based on the outside temperature, ensuring optimal thermoregulation inside the packaging.

Not recommended uses:

Uses different from those recommended.

1.3 Information on the supplier of the safety data sheet.

Enterprise: **Dryce S.r.l.**
address: Via Aosta 5
City: 20063 Cernusco sul Naviglio -
Province: MI
Phone: +39 02 92393501
Fax: +39 0292141841
Email: info@dryce.it
Web: www.dryce.it

1.4 Emergency telephone number: +39 0292147368 (Only available during office hours; Monday-Friday; 08:00-17:00)

SECTION 2: HAZARD IDENTIFICATION.

2.1 Classification of the substance or mixture.

The article is not considered dangerous in accordance with EC Regulation 878/2020.
The article is not subject to authorization according to art. 32 of the Reach
The article does not contain SVHC substances >0.1% w/w.

2.2 Label Elements.

Not applicable

2.3 Other hazards.

The mixture does not contain substances classified as PBT.
The mixture does not contain substances classified as vPvB.
The mixture does not contain substances with endocrine disrupting properties.

During normal use and in its original form, the product has no other adverse effects on health and the environment.

SECTION 3: COMPOSITION/INGREDIENT INFORMATION.

3.1 Substances.

Not applicable.

3.2 Mixtures.

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This mixture does not contain substances in a concentration higher than the values set out in Annex II of Regulation (EC) No. 1907/2006 as amended, which pose a danger to health or the environment, for which an occupational exposure limit is established within the EU, are classified as PBT/vPvB or are included in the candidate list.

SECTION 4: FIRST AID MEASURES.

4.1 Description of first aid measures.

If in doubt or when symptoms of discomfort persist, consult a doctor. Never give anything through the mouth to unconscious people.

Inhalation.

Put the bumpy in the open air, keep it warm and resting, if breathing is irregular or stops, practice artificial respiration. Do not administer anything orally. If he is unconscious, place him in a suitable position and seek medical help.

Eye contact.

Remove contact lenses if they are worn, and if it is easy to do. Wash your eyes thoroughly with clean, fresh water for at least 10 minutes keeping your eyelids open. Seek medical help.

Skin contact.

Remove contaminated clothing. Wash the skin vigorously with soap and water or a detergent appropriate for the skin. NEVER use solvents or thinners.

Ingestion.

If you accidentally swallowed it, seek medical attention immediately. Keep it at rest. NEVER induce vomiting.

4.2 Main symptoms and effects, both acute and delayed.

Prolonged exposure by inhalation may cause anesthetic effects and the need for immediate medical attention.

4.3 Indication of whether medical advice and special treatment are required immediately.

If in doubt or when symptoms of discomfort persist, consult a doctor. Never give anything through the mouth to unconscious people. Do not induce vomiting. If the person vomits, clear the airway.

SECTION 5: FIRE-FIGHTING MEASURES.

The product does not present any special risk in the event of fire.

5.1 Means of extinguishing.

Suitable extinguishing means:

Powder or CO2 fire extinguisher. In the event of more serious fires, alcohol-resistant foam and powdered water are also used.

Unsuitable extinguishing means:

Do not use direct water spray for extinguishing. In the presence of electrical voltage, the use of water or foam as a means of extinguishing is not acceptable.

5.2 Special hazards arising from the substance or mixture.

Special risks.

Exposure to combustion or decomposition products can be detrimental to health.

During a fire and depending on its size, the following can occur:

- Carbon monoxide, carbon dioxide.

5.3 Recommendations for firefighters.

Cool deposits, cisterns or containers close to the source of heat or fire with water. Take into account the direction of the wind. Do not allow products used in firefighting to pass into ducts, sewers or waterways.

Fire protection equipment.

Depending on the magnitude of the fire, the use of heat protective clothing, self-contained respiratory equipment, gloves, protective goggles or face masks and boots may be necessary.

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SECTION 6: ACCIDENTAL RELEASE MEASURES.

6.1 Personal Precautions, Protective Equipment and Emergency Procedures.

For exposure control and personal protective measures, see section 8.

6.2 Environmental Precautions.

Not classified as hazardous to the environment, avoid as much as possible, any discharge.

6.3 Methods and materials for containment and remediation.

Contain and collect any spilled product with inert absorbent material (earth, sand, vermiculite, diatomaceous earth...) and immediately clean the area with an appropriate decontaminant.

6.4 Reference to other sections.

For exposure control and personal protective measures, see section 8.

For subsequent disposal of residues, follow the recommendations in section 13.

SECTION 7: HANDLING AND STORAGE.

7.1 Precautions for safe handling.

For personal protection, see section 8.

Comply with occupational safety and hygiene legislation.

7.2 Conditions for safe storage, including any incompatibilities.

Store according to local legislation. Observe the label instructions. Store between 5 and 25 °C, in a dry and well-ventilated place, away from heat and direct sunlight. Keep away from ignition points. Keep away from oxidizing agents and strongly acidic or alkaline materials. Do not smoke.

The product is not affected by Directive 2012/18/EU (SEVESO III).

7.3 Special End Uses.

Unavailable.

SECTION 8: EXPOSURE/PERSONAL PROTECTIVE CONTROLS.

8.1 Control parameters.

The product does NOT contain substances with Environmental Limit Values for occupational exposure. The product does NOT contain substances with Biological Limit Values.

8.2 Exposure Controls.

In case of breakage of the package:

HAND PROTECTION

Protect your hands with work gloves

For the final choice of the material of the work gloves (ref. EN 374 standard) the following must be considered: compatibility, degradation, breakdown time and permeation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on fundamental physical and chemical properties.

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Physical State: Liquid
Color: Not applicable
Odor: Not applicable
Olfactory threshold: Not relevant/Not available due to the nature/properties of the product.
Melting point: 5 °C
Freezing point: 5 °C
Boiling point or boiling start point and boiling range: >235 °C
Flammability: Not applicable/Not available due to the nature/properties of the product.
Lower explosive limit: Not applicable/Not available due to the nature/properties of the product.
Upper Explosive Limit: Not applicable/Not available due to the nature/properties of the product.
Flash Point: >105 °C (Non-equilibrium Based Method, Pensky-Martens Apparatus (ASTM D 93))
Auto-ignition temperature: Not applicable/Not available due to the nature/properties of the product.
Decomposition Temperature: Not applicable/Not available due to the nature/properties of the product.
pH: Not relevant/Not available due to the nature/properties of the product.
Kinematic viscosity: 2.47 (ASTM D446 T° 40 °C)
Solubility: Not applicable/Not available due to the nature/properties of the product.
Water solubility: Not applicable/Not available due to the nature/properties of the product.
Fat solubility: Not applicable/Not available due to the nature/properties of the product.
N-octanol/water partition coefficient (logarithmic value): 6.98
Vapour pressure: 14.5 Pa
Absolute density: 0.96
Relative density: 0.763 (Estimate based on Regulation (EC) No 1272/2008)
Relative vapor density: >1 m3/kg
Particle characteristics: Not applicable/Not available due to the nature/properties of the product.

9.2 Other Information.

Not applicable/Not available due to the nature/ownership of the product.

SECTION 10: STABILITY AND RESPONSIVENESS.

10.1 Responsiveness.

The product does not pose a hazard to its responsiveness.

10.2 Chemical Stability.

Stable under the recommended handling and storage conditions (see epigraph 7).

10.3 Possibility of dangerous reactions.

The product does not cause dangerous reactions.

10.4 Conditions to Avoid.

Avoid any kind of improper handling.

10.5 Incompatible Materials.

Keep away from oxidizing agents and strongly alkaline or acidic materials, in order to avoid exothermic reactions.

10.6 Hazardous decomposition products.

It does not decompose if it is intended for its intended uses.

SECTION 11: TOXICOLOGICAL INFORMATION.

11.1 Information on hazard classes defined in Regulation (EC) No 1272/2008.

Toxicological information of substances present in the composition.

a) acute toxicity;
Inconclusive data for classification.

b) skin corrosion/irritation;

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Based on the available data, the classification criteria are not met.

c) serious eye damage/serious eye irritation;
Based on the available data, the classification criteria are not met.

d) respiratory or skin sensitization;
Based on the available data, the classification criteria are not met.

e) germ cell mutagenicity;
Based on the available data, the classification criteria are not met.

f) carcinogenicity;
Based on the available data, the classification criteria are not met.

g) toxicity for reproduction;
Inconclusive data for classification.

(h) Specific Target Organ Toxicity (STOT) - single exposure;
Based on the available data, the classification criteria are not met.

(i) specific target organ toxicity (STOT) - repeated exposure;
Inconclusive data for classification.

j) danger in the event of aspiration.
If the packaging has been altered or deteriorated, do not breathe in the escaping vapours

11.2 Information on Other Hazards.

Endocrine-disrupting properties

This product does not contain any components with endocrine-disrupting properties that have an effect on human health.

Other information

There is no information available on other adverse health effects.

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

12.2 Persistence and degradability.

Quickly degradable, 80% in 28 days (OECD 301 F)

12.3 Bioaccumulation potential.

Information on the bioaccumulation of substances.

12.4 Mobility in the soil.

No information on mobility in soil is available
Disposal in sewers or waterways is prohibited.
Avoid penetration into the soil.

12.5 PBT and vPvB Assessment Results.

No PBT and vPvB product information is available.

12.6 Endocrine Disrupting Properties.

This product does not contain components with endocrine-disrupting properties and have an effect on the environment.

12.7 Other adverse effects.

The product does not fall within the scope of Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.
There is no information on other negative effects on the environment.

SECTION 13: DISPOSAL CONSIDERATIONS.

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13.1 Waste Treatment Methods.

Reuse, if possible. Product residues are to be considered hazardous special waste. The danger of waste must be assessed on the basis of the legislative provisions in force.

(Ref. Annex D – Part IV of Legislative Decree no. 152/2006 and subsequent amendments and adaptations).

Disposal must be entrusted to a company authorized to manage waste, in compliance with the national and possibly local legislation.

The legal responsibility for disposal lies with the producer/holder of the waste.

The suitable final destination of the waste will be assessed by the producer according to the chemical-physical characteristics compatible with the authorised plant to which it will be delivered for recovery, treatment or final disposal in accordance with the procedures provided for by current regulations.

Disposal through discharge into wastewater is not permitted.

SECTION 14: TRANSPORTATION INFORMATION.

Not hazardous for transport purposes. In the event of an accident and disposal of the product act as a point 6.

14.1 UN number or ID number.

Not hazardous for transport purposes.

14.2 Official UN designation of transport.

Description:

ADR/RID: Not hazardous for transport purposes.

IMDG: Not hazardous for transport purposes.

ICAO/IATA: Not hazardous for transport purposes.

14.3 Classes of danger associated with transport.

Not hazardous for transport purposes.

14.4 Packaging Assembly.

Not hazardous for transport purposes.

14.5 Environmental hazards.

Not hazardous for transport purposes.

Ship transport, FEm - Emergency cards (F – Fire, S – Spills): Not applicable.

14.6 Special precautions for users.

Not hazardous for transport purposes.

14.7 Bulk shipping in accordance with IMO acts.

Not hazardous for transport purposes.

SECTION 15: REGULATORY INFORMATION.

15.1 Health, safety and environmental laws and regulations specific to the substance or mixture.

The product is not affected by Regulation (EU) No 528/2012 on the marketing and use of biocidal products.

The product is not affected by the process established in Regulation (EU) No 649/2012, relating to the export and import of hazardous chemicals.

Restrictions on the placing on the market and use of certain hazardous substances, mixtures and articles:

15.2 Chemical Safety Assessment.

Not applicable

SECTION 16: OTHER INFORMATION.

It is advisable to offer basic training on safety and hygiene at work to ensure proper

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handling of the product.

Abbreviations and acronyms used:

- BCF: Bioconcentration factor.
- CEN: European Committee for Standardization.
- DMEL: Derived Minimal Effect Level, a level of exposure that corresponds to a low risk, which is must be considered as a minimum tolerable risk.
- DNEL: Derived No Effect Level
of which no adverse effects are expected.
- EC50: Actual average concentration.
- DPI: Personal protection team.
- LC50: Lethal Concentration, 50%.
- LD50: Lethal dose, 50%.
- NOEC: Concentration with no observed effect.
- PNEC: Predicted No Effect Concentration
a substance under which there are no negative effects on the behavior of the environment.

Main bibliographic references and data sources:

- <http://eur-lex.europa.eu/homepage.html>
- <http://echa.europa.eu/>
- Regulation (EU) 2020/878.
- Regulation (EC) No 1907/2006.
- Regulation (EC) No 1272/2008.

The information contained in this sheet corresponds to our knowledge at the time of printing. The information is used to give you information about the safe use of the product indicated on the safety data sheet, for as regards storage, processing, transport and disposal. The indications have no value for others products.