



QUICK MELT

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

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Version: 2.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : QUICK MELT

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

Use of the substance/mixture : De-icer

Use advised against : None identified

1.3. Details of the supplier of the safety data sheet

Zephyr Ice Products, LLC
802 Mercury Ave.
Idaho Falls, ID 83402

Tel: 1-208-529-9201

1.4. Emergency telephone number

Emergency number : 1-208-522-1018

Monday – Friday 8 A.M to 5 P.M. (mountain time)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified

2.2. Label elements

GHS-US labelling

No labelling applicable

2.3. Other hazards

Other hazards which do not result in classification : Direct contact with eyes may cause physical and reversible eye irritation. Repeated contact may cause slight temporary skin irritation or dry skin. Inhalation of dust that is generated during use of this product may result in temporary upper respiratory tract irritation or coughing.

2.4. Unknown acute toxicity (GHS-US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixture

Name	Product identifier	%
Sodium chloride	(CAS No) 7647-14-5	90 - 95
Calcium chloride	(CAS No) 10043-52-4	3 - 7
Urea	(CAS No) 57-13-6	< 3

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with soap and water.

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- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention.
- First-aid measures after ingestion : If swallowed, induce vomiting immediately by giving two glasses of water and sticking the finger down throat. Call a physician. (Never give anything by mouth or throat to induce vomiting in an unconscious person.)

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : Inhalation of dust during handling may cause irritation to upper respiratory tract and coughing.
- Symptoms/injuries after skin contact : Prolonged or repeated exposure may cause skin irritation, even a burn. May cause more severe response if skin is damp and/or abraded, or if the material is confined to the skin.
- Symptoms/injuries after eye contact : Direct contact may cause eye irritation. Symptoms may include discomfort, pain, excess blinking and tear production, with possible redness and swelling. May cause moderate to severe eye irritation with corneal injury, which may be slow to heal.
- Symptoms/injuries after ingestion : Single dose oral toxicity is low. Ingestion may cause gastrointestinal irritation or ulceration.

4.3. Indication of any immediate medical attention and special treatment needed

If a burn is present, treat as any thermal burn, after decontamination. No specific antidote. Supportive care. Treatment based on the judgment of the physician in response to reactions of the patient.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Use fire-extinguishing media appropriate for surrounding materials. Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.
- Other information : Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Collect as much as possible in clean container for (preferably) re-use or disposal. Avoid contact with eyes. Walking surfaces may remain wet longer due to moisture being held by spilled materials.

6.1.1. For non-emergency personnel

- Emergency procedures : Do not engage any activity without proper protection equipment.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection equipment as directed in section 8.

6.2. Environmental precautions

Prevent entry to public waters. Keep out of drinking water.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Sweep or shawl for re-use or disposal. Wash away remaining with large excess of water or bury.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Read label before use. Obtain special instructions before use. Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines. Avoid contact with eyes. Wear personal protective equipment.

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Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of reach of children. Keep only in the original container in dry and well-ventilated place. Keep container closed when not in use. Keep away from humidity.

Incompatible materials : Metals will slowly corrode in aqueous solutions. Aluminum (and its alloys) and yellow brass will be attacked by this product. Product attracts moisture and some heat is given off while portions of product dissolve.

Additional information : When exposed to the atmosphere, product will pick up water and form a solution. Leather clothing and shoes will be damaged by the product.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

General suppliers guidelines (dust)	
TWA (mg/m ³)	10 mg/m ³ (TLV) "inhalable particles"

8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

Personal protective equipment : Handle in accordance with good industrial hygiene and safety practices. Avoid all unnecessary exposure. For certain operations, additional Personal Protection Equipment (PPE) may be required.

Hand protection : In case of repeated or prolonged contact wear gloves.

Eye protection : Safety glasses should be sufficient for most operations; however, for dusty operations or when hauling solutions of the material, wear chemical goggles.

Skin and body protection : For brief contact, no precautions other than clean body-covering clothing should be needed. Use protective clothing impervious to this material. Selection of specific items such as gloves, boots, apron, or full body suit will depend on operation. If skin comes in contact with contaminated clothing, remove the clothing immediately, wash skin area with soap and water, and launder clothing before reuse.

Respiratory protection : Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required for certain operations, use an approved air-purifying respirator. In dusty atmosphere, use an approved dust respirator.

Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : Pellets and Crystals

Color : Pink to Off-White

Odor : Odorless

Odor threshold : Not applicable

pH : No data available

Relative evaporation rate (butyl acetate=1) : Not applicable

Melting point : ca. 1470 °F (800 °C)

Freezing point : Not applicable

Boiling point : > 2550 °F (1400 °C)

Flash point : Not applicable

Auto-ignition temperature : No data available

Decomposition temperature : ca. 750 °F (400 °C)

Flammability (solid, gas) : No data available

Vapour pressure : Not applicable

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Relative vapour density at 20 °C	: Not applicable
Relative density	: 2.12 (water=1)
Solubility	: Very Soluble in water
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: Not applicable
Viscosity	: Not applicable
Explosive properties	: Not applicable
Oxidising properties	: No data available
Explosive limits	: Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling and storage condition

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Avoid high-temperature. Portions may decompose above 750 °F (400 °C).

10.5. Incompatible materials

Metals will slowly corrode in aqueous solutions. Aluminum (and its alloys) and yellow brass will be attacked by this product. Product attracts moisture and some heat is given off while portions of product dissolve.

10.6. Hazardous decomposition products

Not applicable

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified
(Based on available data, the classification criteria are not met)

Calcium chloride (10043-52-4)	
LD50 oral rat	1000 mg/kg body mass
LD50 dermal rat	2630 mg/kg

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified
(Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified
(Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified
(Based on available data, the classification criteria are not met)

Specific target organ toxicity (single exposure) : Not classified
(Based on available data, the classification criteria are not met)

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Specific target organ toxicity (repeated exposure) : Not classified
(Based on available data, the classification criteria are not met)

Aspiration hazard : Not classified
(Based on available data, the classification criteria are not met)

Symptoms/injuries after eye contact : May cause eye irritation sensation. Redness and watering.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer : No additional information available

Effect on the global warming : No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to comply with applicable local, national and international regulations.

SECTION 14: Transport information

In accordance with DOT

Not regulated for transport

Additional information

Other information : No supplementary information available.

ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

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15.2. International regulations

CANADA

No additional information available

EU-Regulations

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

15.2.2. National regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

The following chemicals are listed because of the additional requirements of workers/ community Right-To Know act:

Propylene Glycol (57-55-6)
Minnesota
New Jersey
Pennsylvania

SECTION 16: Other information

Indication of changes : Revised according to OSHA HazCom 2012

Revision date : 01/06/2017

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product