

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 10/02/2023

Reviewed on 7/15/2024

1 Identification

- **Product Identifier**
- **Trade Name: DEEP THAW**
- **Relevant identified uses of the substance or mixture and uses advised against:**
- **Product Description:** Ice Melt
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**
 Morgro Inc.
 145 West Central Avenue
 Salt Lake City, UT 84107
 P: (801) 266-1132 or 1-800-221-1049
- **Emergency telephone number:** US and CANADA: CHEMTREC 1-800-424-9300

2 Hazard(s) Identification

- **Classification of the substance or mixture:**
 The product does not need classification according to OSHA HazCom Standard 29 CFR paragraph (d) of §1910.1200(g) and GHS Rev 03.
- **Label elements:**
- **Hazard pictograms:** Non-Regulated Material
- **Signal word:** Non-Regulated Material
- **Hazard statements:** Non-Regulated Material
- **Unknown acute toxicity:**
 This value refers to knowledge of known, established toxicological or ecotoxicological values.
 0 % of the mixture consists of component(s) of unknown toxicity.
- **Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

| | | |
|------------|---|---------------------|
| HEALTH | 1 | Health = 1 |
| FIRE | 0 | Fire = 0 |
| REACTIVITY | 0 | Physical Hazard = 0 |

- **Hazard(s) not otherwise classified (HNOC):** None known

3 Composition/Information on Ingredients

- **Non-hazardous components:**

| | | |
|------------------------------------|--------------------|--------------|
| CAS: 7647-14-5 RTECS: VZ4725000 | Sodium Chloride | Proprietary% |
| CAS: 7786-30-3 | Magnesium Chloride | Proprietary% |

- **Chemical characterization: Substance**
- **Description:** Mixture of substances listed below with non-hazardous additions.
- **Dangerous Components:** Non-Regulated Material

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Additional information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

4 First-Aid Measures

Description of first aid measures

- **General information:** If symptoms persist, call a physician.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Generally, the product does not irritate the skin.
If skin irritation occurs, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water.
If eye irritation occurs, consult a doctor.
- **After swallowing:**
Immediately call a doctor.
If swallowed and symptoms occur, consult a doctor.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed:** Treat symptomatically.

5 Fire-Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** No further relevant information.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Advice for firefighters** Salt is not combustible
- **Special protective equipment for firefighters:**
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures:**
Restrict area to facilitate clean up
- **Environmental precautions:** Dilute with plenty of water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to section 13.
Ensure adequate ventilation.
Dispose of the collected material according to regulations.
- **Reference to other sections:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

PAC-1:

| | | |
|-----------|--------------------|----------------------|
| 7786-30-3 | Magnesium Chloride | 11 mg/m ³ |
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PAC-2:

| | | |
|-----------|--------------------|-----------------------|
| 7786-30-3 | Magnesium Chloride | 120 mg/m ³ |
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| · PAC-3: | | |
| 7786-30-3 | Magnesium Chloride | 550 mg/m ³ |

7 Handling and Storage

- **Handling**
- **Precautions for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s):** No further relevant information available.

8 Exposure Controls/Personal Protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters:**
- **Components with occupational exposure limits:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.
- **Exposure controls:**
- **Personal protective equipment**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.
- **Material of gloves:** Not applicable.
- **Penetration time of glove material:** Not applicable.
- **Eye protection:** Not required.
- **Limitation and supervision of exposure into the environment:** None

* 9 Physical and Chemical Properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

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|------------------------|-----------------|
| Form: | Crystalline |
| Color: | Green |
| Odor: | Odorless |
| Odor threshold: | Not determined. |
- **pH-value @ 20 °C (68 °F):** 6-8
- **Change in condition**

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| Melting point/Melting range: | Not determined. |
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- **Boiling point/Boiling range:** $\geq 1,461$ °C (≥ 34.661 °F)
- **Flash point:** None
- **Flammability (solid, gaseous):** Not applicable.
- **Auto igniting:** Not applicable
- **Decomposition temperature:** Not determined.
- **Ignition temperature:** Product is not self-igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
 - **Lower:** Not determined.
 - **Upper:** Not determined.
- **Vapor pressure:** Not determined.
- **Density @ 20 °C (68 °F):** 2.1573 g/cm³ (18.0027 lbs/gal)
- **Relative density:** Not determined.
- **Vapor density:** Not determined.
- **Evaporation rate:** Not determined.
- **Solubility in / Miscibility with:**
 - **Water:** Fully miscible.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - **Dynamic:** Not determined.
 - **Kinematic:** Not determined.
- **Solvent content:**
 - **VOC content:** 0.00 %
 - **Solids content:** 99.0 %
- **Other information:** No further relevant information available.

10 Stability and Reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Product is stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Contact with incompatible materials.
- **Incompatible materials:** Strong oxidizing agents.
- **Hazardous decomposition products:** Chlorine gas. Hydrogen chloride. Oxides of sodium.

11 Toxicological Information

- **Information on toxicological effects:**
- **Acute toxicity:**

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| · LD/LC50 values that are relevant for classification: | | |
| 7647-14-5 Sodium Chloride | | |
| Oral | LD50 | 4,000 mg/kg (mouse) |

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| | | |
|--------|------|------------------------|
| | | 3,000 mg/kg (Rat) |
| Dermal | LD50 | >10,000 mg/kg (rabbit) |

- **Primary irritant effect:**
- **On the skin:** No irritating effect.
- **On the eye:** No irritating effect.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:

- **Carcinogenic categories:**

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| | | <ul style="list-style-type: none"> · IARC (International Agency for Research on Cancer): |
| | | None of the ingredients are listed. |

| | | |
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| | | <ul style="list-style-type: none"> · NTP (National Toxicology Program): |
| | | None of the ingredients are listed. |

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| | | <ul style="list-style-type: none"> · OSHA-Ca (Occupational Safety & Health Administration): |
| | | None of the ingredients are listed. |

12 Ecological Information

- **Toxicity:**

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| | | <ul style="list-style-type: none"> · Aquatic toxicity: |
| | | 7647-14-5 Sodium Chloride |
| EC50 | | 340.7-469.2 mg/l (Water flea) |

- **Persistence and degradability:** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Not known to be hazardous to water.
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

13 Disposal Considerations

- **Waste treatment methods**
- **Recommendation:**
Observe all federal, state and local environmental regulations when disposing of this material.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport Information

- **UN-Number:**
- **DOT, ADR/ADN, IMDG, IATA** Non-Regulated Material
- **UN proper shipping name:**
- **DOT, ADR/ADN, IMDG, IATA** Non-Regulated Material

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- **Transport hazard class(es):**
- **DOT, ADR/ADN, ADN, IMDG, IATA**
- **Class:** Non-Regulated Material
- **Packing group:**
- **DOT, ADR/ADN, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Special precautions for user:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **UN "Model Regulation":** Non-Regulated Material

15 Regulatory Information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
No further relevant information available.
- **SARA (Superfund Amendments and Reauthorization):**

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| · Section 355 (extremely hazardous substances): |
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| None of the ingredients are listed. |
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| · Section 313 (Specific toxic chemical listings): |
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| None of the ingredients are listed. |
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| · TSCA (Toxic Substances Control Act): |
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| All components have the value ACTIVE. |
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| · Hazardous Air Pollutants |
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| None of the ingredients are listed. |
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| · California Proposition 65: |
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| · Chemicals known to cause cancer: |
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| None of the ingredients are listed. |
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| · Chemicals known to cause reproductive toxicity for females: |
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| None of the ingredients are listed. |
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| · Chemicals known to cause reproductive toxicity for males: |
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| None of the ingredients are listed. |
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| · Chemicals known to cause developmental toxicity: |
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| None of the ingredients are listed. |
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| · New Jersey Right-to-Know List: |
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| None of the ingredients are listed. |
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| · New Jersey Special Hazardous Substance List: |
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| None of the ingredients are listed. |
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| · Pennsylvania Right-to-Know List: |
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| None of the ingredients are listed. |
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|---|
| · Pennsylvania Special Hazardous Substance List: |
|---|

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| None of the ingredients are listed. |
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Trade Name: DEEP THAW**· Carcinogenic categories:****· EPA (Environmental Protection Agency):**

None of the ingredients are listed.

· TLV (Threshold Limit Value established by ACGIH):

None of the ingredients are listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health):

None of the ingredients are listed.

· GHS label elements Non-Regulated Material**· Hazard pictograms:** Non-Regulated Material**· Signal word:** Non-Regulated Material**· Hazard statements:** Non-Regulated Material**· National regulations:**

The product is not subject to be labelled according with the prevailing version of the regulations on hazardous substances.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· Contact:**· Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety & Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

· * Data compared to the previous version altered.SDS created by MSDS Authoring Services www.msdsauthoring.com +1-877-204-9106