

SAFETY DATA SHEET

Hi Test Power Melt H.P. (High Performance Ice Melter)

1. Identification: Blended Ice Melter

Synonyms: Hi Test Power Melt H.P. (High Performance Ice Melter)

Intended Use: Ice Melter, Deicer

Manufacturer: Coburn Chemicals, Inc.
12 Galloway Avenue
Cockeysville, MD 21030

Emergency Phone Number: 800-993-5933

FAX 410-666-1166

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Prepared by: Bob Sobolewski

Direct Phone: 410-666-5227

2. Hazard(s) identification.

Physical hazards: Eye Irritant

Health Hazards: Not Classified

OSHA defined hazards: Not Classified as dangerous.

3. Composition / information on ingredients.

Chemical Name	CAS number	%
Sodium Chloride	7647-14-5	88-92
Magnesium chloride hexahydrate	7791-18-6	8-12

4. First-aid measures

Eye contact Holding eyelids apart, rinse with copious amounts of water. Get medical attention if irritation develops and persists.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Inhalation If dust from the material is inhaled, remove the affected person immediately to fresh air. Keep patient, quiet and warm. Call a physician if symptoms develop or persist.

Ingestion Give one or two glasses of water if patient is alert and able to swallow. Get medical attention if symptoms occur.

5. Fire - fighting measures

General: This product is not flammable.

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may cause fire to spread.

Specific Hazards Arising From the chemical: During fire, hazardous gasses may be formed.

Explosion Hazard: Product is not explosive.

Reactivity: When heated to decomposition, may release poisonous fumes.

6. Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures General

Measures: Avoid breathing dust. Avoid all contact with skin, eyes, or clothing. Wear protective clothing. Keep unnecessary personnel away from spill.

Methods and Material for Containment and Cleaning Up: Contain and collect as much as possible in suitable containers for re-use or disposal as required. Sweeping may cause dust particles. Collect dust using a vacuum cleaner equipped with HEPA filter to minimize dust generation.

Environmental Precautions: Prevent entry to drains, sewers and public waterways. Avoid release to the environment.

7. Handling and storage

Precautions for safe handling: Handle product in original closed containers to avoid dust generation and accumulation. Avoid breathing dust. Avoid contact with eyes. Avoid contact with water and moisture. Keep away from strong acids. Practice good housekeeping.

Conditions for safe storage, including any incompatibilities: Store in a dry, cool and well-ventilated. Keep container closed when not in use. Keep/Store away from extremely high or low temperatures, direct sunlight, heat, ignition sources, and incompatible materials.

Incompatible Products: Strong acids. Strong bases. Strong oxidizers.

Specific End Use: Ice Melter

8. Exposure controls / personal protection

Occupational exposure limits No exposure limits noted for ingredient(s).

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

Appropriate engineering controls Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing.

Individual protection measures, such as personal protective equipment

Eye/face protection Unvented, tight fitting goggles should be worn in dusty areas. Safety glasses if eye contact is possible

Skin protection

Hand protection Wear appropriate chemical resistant gloves. Wash hands after handling.

Other Wear suitable protective clothing.

Respiratory protection Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. 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.

Thermal hazards Not Applicable

9. Physical and chemical properties

Appearance Crystalline,

Physical state Solid.

Form Solid.

Color Green

Odor None

Odor threshold Not applicable
pH 7 – 8.2 (Neutral)
Melting point/freezing point Not applicable
Initial boiling point and boiling range Not applicable
Specific gravity 2.1
Flash point Not applicable
Evaporation rate Not applicable
Flammability (solid, gas) Not applicable.
Upper/lower flammability or explosive limits
Flammability limit – lower (%) Not applicable
Flammability limit – upper (%) Not applicable
Explosive limit - lower (%) Not applicable
Explosive limit - upper (%) Not applicable
Vapor pressure Not applicable
Vapor density Not applicable
Relative density Not applicable
Solubility (ies) 44 grams in 100 grams of water at 20 deg. C.
Auto-ignition temperature Not applicable
Decomposition temperature Not applicable
Viscosity Not applicable

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage, and transport.
Chemical stability Stable under normal conditions.
Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.
Conditions to avoid Incompatible materials. Heating above decomposition temperature.
Incompatible materials Avoid contact with strong acids. Strong oxidizers.
Hazardous decomposition products Chlorine gas. Hydrogen chloride.
Heating at high temperatures can produce toxic fumes. May evolve chlorine gas when in contact with strong acids.

11. Toxicological information

Information on likely routes of exposure

Inhalation Inhalation of dusts may cause respiratory irritation.

Skin contact Prolonged or repeated skin contact may cause irritation. If applied to damaged skin, absorption can occur with effects similar to those via ingestion.

Eye contact Dust in the eyes will cause irritation.

Ingestion Expected to be a low ingestion hazard.

Components	Species	Test Results
Sodium Chloride (CAS 7647-14-5)		
Acute Oral LD50	Mouse	4000 mg/kg
	Rat	3000 mg/kg
Magnesium Chloride hexahydrate (CAS 7791-18-6)		
Acute Oral LD50	Rat	8100 mg/kg
Oral LD 50	Mouse	7600 mg/kg

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation Dust in the eyes will cause irritation.

Respiratory or skin sensitization

Respiratory sensitization Not available.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

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

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not classified

12. Ecological Information

Information on ecological effects

Sodium Chloride and Magnesium Chloride are seawater components

Ecotoxicity The product is not classified as environmentally hazardous.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Mobility in soil No data available.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers in accordance with applicable regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations All components are on the U.S. EPA TSCA Inventory List. This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4) Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

- Immediate Hazard - No
- Delayed Hazard - No
- Fire Hazard - No
- Pressure Hazard - No
- Reactivity Hazard - No

SARA 302 Extremely hazardous substance No
SARA 311/312 Hazardous chemical No
SARA 313 (TRI reporting) Not regulated.

Other federal regulations

Safe Drinking Water Act (SDWA) Not regulated.
Food and Drug Administration (FDA) Not regulated.

US state regulations California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):
This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance Not listed.

US. Massachusetts RTK - Substance List Not regulated.

US. Pennsylvania RTK - Hazardous Substances Not regulated.

US. Rhode Island RTK Not regulated.

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other information, including date of preparation or last revision

Version # 01

HMIS® ratings Health: 1
Flammability: 0
Physical hazard: 0
Personal protection: A

Disclaimer

This product is not for food or drug use.

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