

Section 1: Product Identification

Product Name: Howard Johnson's ZeroIce
 Howard Johnson's Ice Melter
 Howard Johnson's Below Zero
 Howard Johnson's Zero Dust
 Howard Johnson's ZeroIce Melter
 Howard Johnson's ZeroIce Ultra Ice & Snow Melter
 Howard Johnson's ZeroIce Ice & Snow Melter with Calcium Chloride

EPA Reg. Number: Not Applicable

Chemical Name: Mixture

Shipping Information: Not Regulated by U.S. DOT for all modes of transportation within the US.

Section 2: Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS Registry Number</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>SARA 313 Reportable</u>
May contain one or more of the following ingredients:				
Calcium Chloride	10043-52-4	None	None	No
Magnesium Chloride hexahydrate	7791-18-6	None	None	No
Potassium Chloride	7447-40-7	None	None	No
Sodium Chloride	7647-14-5	None	None	No
Urea	1317-25-5	None	None	No

Section 3: Physical and Chemical Properties

Physical Form: Granular Solid Bulk Density: None established

pH: Not Applicable Refractive Index: Not Applicable

Boiling Point: Not Applicable Freezing Point: Not Applicable

Solubility in Water: Completely Soluble Viscosity: Free-flowing granules

Vapor Pressure: Not Determined Vapor Density: Not Determined

Percent Volatile: Not Determined Evaporation Rate: Not Determined

Appearance and Odor: White to off-white granules or flakes, odorless.

Section 4: Fire and Explosion Hazard Data

Flash Point (°F):	Not Flammable	Flash Point Method	Not Applicable
Auto ignition Temp. (°F):	Not Applicable	Burning Rate	Not Applicable
Explosive Upper Limit (UEL):	Not Applicable	Lower Limit (LEL):	Not Applicable
Limits:			
Extinguishing Media:	Water, Carbon Dioxide, Dry Chemical or Foam		
Special Firefighting Procedures:	None		
Unusual Fire or Explosion Hazards:	None		

Section 5: Health Hazard Data

Primary Routes of Entry: Inhalation, ingestion, skin contact

Signs and Symptoms of Over-Exposure:

Eye Contact:	Acute: Mild, reversible irritation to the eye. May cause transient corneal injury.	Chronic: None reported
Skin Contact:	Acute: May cause slight irritation on prolonged contact.	Chronic: None reported
Inhalation:	Acute: Excessive inhalation of dust may irritate nose, throat and upper respiratory tract.	Chronic: None reported
Ingestion:	Acute: Ingestion of large quantities may cause gastrointestinal distress, nausea and vomiting	Chronic: None reported

Emergency First Aid Procedures:

Eye Contact:	Hold eyelids open and flush with lots of water for 15 minutes.
Skin Contact:	Wash skin with soap and water.
Inhalation:	Remove person to fresh air.
Ingestion:	Give person large quantities of water to drink. If irritation persists, seek medical attention. Low toxicity.
Medical conditions aggravated by exposure:	Existing skin irritation, cuts or scrapes may be aggravated by contact.
Target Organs:	None Identified
Carcinogens:	Not listed as a carcinogen

Section 6: Reactivity Data

Stability:	Stable
Chemical incompatibilities:	Solution may be corrosive to some metals
Conditions to avoid:	None
Hazardous Decomposition Products:	Hydrogen Chloride may form when heated
Hazardous Polymerization:	Will not occur

Section 7: Accidental Release Procedures

Large Spill or Leak Procedures:	No special precautions needed. Sweep or scoop up spilled material and place in a closed, labeled container for use.
Small Spill or Leak Procedures:	Sweep up spilled material for use as label directs.
Waste Disposal Methods:	Consult state or local environmental agency for disposal of waste. This product is normally not a regulated waste.

Section 8: Exposure Controls and Personal Protection

Engineering Controls – Ventilation:	This product is designed for outdoor use – ventilation is not normally required. Local exhaust may be needed when handling this product in an enclosed area.
Administrative Controls:	Follow all precautions and directions for use on product label.
Protective Clothing and Equipment:	Avoid contact with eyes, skin or clothing. Wash thoroughly after handling.
Respiratory Protection:	For normal handling and use, a respirator is not required. For excessively dusty conditions, use a dust mask approved by MSHA/NIOSH. See OSHA regulations in 29 CFR § 1910.134 before using any respirator or dust mask.
Eye Protection:	Good safety practices suggest the use of goggles to prevent contact with eyes.
Hand Protection:	Good safety practices suggest the use of rubber, leather, or canvas gloves, to prevent skin contact.
Skin Protection:	Wear long-sleeved shirt and long trousers to reduce skin contact.
Safety Stations:	Clean water should be available to flush eyes and/or skin in case of accidental contact.

Section 9: Handling and Storage Precautions

Handling Precautions:	Do not take internally. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling.
Storage Requirements:	Store in a dry area, away from feed or food, and out of reach of children, pets and domestic animals. Keep containers tightly closed when not in use.

Revision Date: June 11, 2003

By: Kresti A. Lyddon, Director of Regulatory Affairs

This information is believed to be accurate at the time of publication. No warranty, guarantee or representation, expressed or implied, is made with regard to this information. Because this information may not be adequate for every application, the user must determine the suitability of the information, and may need additional information due to the manner/conditions of use, storage, state or local regulations.