Material Safety Data Sheet
May be used to Comply with OSHA's
Hazard Communication Standard,
29 CFR 1910.1200(q). Standard must be
Consulted for specific requirements

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that

Identity (As Used On Label and List)	**Date Prepared:**
B4042B Ice Melt	12-03-2007

Section 1 ~ Identification

Manufactured for: OMEGA INDUSTRIAL SUPPLY, INC	**Emergency Telephone Number:** 1-800-424-9300
Address (Number, Street, Suite/Apt#) 101 Grobric Ct #1	**Telephone Number for Information:** 1-800-571-7347
(City, State, and Zip Code) Fairfield, CA 94534	**Signature of Prepare (Optional)** REGULATORY DEPT.

Section 2 ~ Composition/Information on Ingredients

Components (Specific Chemical Identity, Common Name(s))	**CAS No.**	**OSHA PEL**	**ACGIH-TLV**	**%(Wt.)**
Calcium Chloride	10043-52-4	-	-	93 - 100%

Section 3 ~ Hazard(s) Identification

EMERGENCY OVERVIEW: WARNING! Causes irritation to skin, eyes and respiratory tract. Harmful if swallowed or inhaled.

Route(s) of Entry: N/L

Eyes— Hazard may be either mechanical abrasion or, more serious, burns from heat of hydrolysis and chloride irritation.
Skin—Solid may cause mild irritation on dry skin; strong solutions or solid in contact with moist skin may cause severe irritation, even burns.
Inhalation— Granular material does not pose a significant inhalation hazard, but inhalation of dust may cause irritation to the respiratory tract, with symptoms of coughing and shortness of breath.
Ingestion— Low toxicity material but ingestion may cause serious irritation of the mucous membrane due to heat of hydrolysis. Large amounts can cause gastrointestinal upset, vomiting, abdominal pain.

Health Hazards (Acute and Chronic) – None known.

Aggravated of Pre-Existing Conditions: None known.

Section 4~ First Aid Measures

Eyes—Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.
Skin—Wipe off excess material from skin then immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
Inhalation—Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion— Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

Section 5 ~ Fire Fighting Measures

Flash Point (Method Used):	Not considered a fire hazard	**Flammable Limits**	**LEL:** -	**UEL:** -

Extinguishing Media – Use any means suitable for extinguishing surrounding fire.

Special Information – In the vent of a fire, wear full protective clothing and NIOSH approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. At high temperatures or when moistened under fire conditions, calcium chloride may produce toxic or irritating fumes.

Unusual Fire and Explosion Hazards – Not considered to be an explosion hazard

Section 6 ~ Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled –Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 9. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Small amounts of residue may be flushed to sewer with plenty of water.

Section 7 ~ Handling and Storage

Precautions to be Taken in Handling and Storing –Keep in a tightly closed container, store in a cool, dry, ventilated area. Protect against physical damage. Moist Calcium Chloride and concentrated Solutions can corrode steel. When exposed to the atmosphere, calcium chloride will absorb water and form a solution. Containers of this material may be hazardous when empty since they retain product residues (Dust, Solids); observe all warning and precaution listed for the product.

Work/Hygienic Practices – Observe good hygiene. Wash hands thoroughly after product use, eating, drinking, and using restrooms, etc

Section 8 ~ Exposure Controls/Personal Protection

Respiratory Protection (NIOSH Approved) – For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH Type N95 or better filters) may be worn. If oil particles (E.G. lubricants, cutting fluids, glycerine, Etc.) are present, use a NIOSH type $ or P known, use a full-face positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Ventilation — A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local Exhaust ventilation is generally preferred because it can control the emission of the contaminant at its source, preventing dispersion of it into the general work area.

Skin Protection – Gloves	**Eye Protection –** Chemical safety goggles and/or full face shield where dusting or splashing of solution is possible.	**Other protective Clothing or Equipment –**Clean body-covering clothing.. Maintain eye wash fountain and quick-drench facilities in work area.

Section 9 ~ Physical Chemical Properties

Boiling Point	> 2912°F (> 1600°C)	**Specific Gravity (H2O = 1)** Concentrate	-

Vapor Pressure (mm/hg)	N/A	**Melting Point**	1422°F (772°C)
Vapor Density (Air=1)	N/A	**Evaporation Rate (Butyl Acetate = 1)**	N/A
Solubility in Water	Soluble Exothermic	**pH (aqueous solution)**	8 - 9
Appearance and Odor— White or Gray-White granules, odorless		**% Volatiles by Vol. @ 70°F (21°C)**	0

Section 10 ~ Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage. Substance will pick up moisture from the air and go into solution if exposed in open containers.

Hazardous Polymerization: **May Occur** ☐ **Will Not Occur** ☒

Incompatibility (Materials to Avoid) – Methyl vinyl ether, water, zinc, bromine trifluoride, mixtures of lime and boric acid, barium chloride, and 2-Furan percarboxylic acid. Metals will slowly corrode in aqueous calcium chloride solutions. Aluminum (and alloys) and yellow brass will be attacked by calcium chloride.

Hazardous Decomposition or Byproducts –Emits toxic chlorine fumes when heated to decomposition. May form hydrogen chloride in presence of sulfuric or phosphoric acids or with water at elevated temperatures.

Section 11 ~ Toxicological Information

Oral Rat LD50 1000 mg/kg. Investigated as a tumorigen and mutagen.

Cancer List

--- NTP CARCINOGEN ---

Ingredient	Known	Anticipated	IARC Category
Calcium Chloride (10043-52-4)	No	No	None

Section 12 ~ Ecological Information

Environmental Fate: Based on available information for Calcium Chloride Anhydrous, this material will not biodegrade or bioaccumulate.

Environmental Toxicity: The LC50/96-hour values for fish are over 100mg/l

Section 13 ~ Disposal Considerations

Disposal Consideration — Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from Federal disposal regulations. Dispose of container and unused contents in accordance with Federal, State, an local requirements.

Section 14 ~ Transport Information

Not regulated.

Section 15 ~ Regulatory Information

---------Chemical inventory Status – Part 1-------

Ingredient	TSCA	EC	Japan	Australia
Calcium Chloride (10043-52-4)	Yes	Yes	Yes	Yes

---------Chemical Inventory Status – Part 2----------

Ingredient	Korea	DSL	NDSL	PHIL
Calcium Chloride (10043-52-4)	Yes	Yes	No	Yes

---------Federal, State & International Regulations Part 1------

Ingredient	----SARA 302---- RQ	TPQ	-----SARA 313----- List	Chemical Catg.
Calcium Chloride (10043-52-4)	No	No	No	No

---------Federal, State & International Regulations Part 2------

Ingredient	CERCLA	-RCRA- 261.33	-TSCA- 8 (D)
Calcium Chloride (10043-52-4)	No	No	No

Chemical Weapons Convention: No TSCA 12(B): No CDTA: No

Sara 311/312: Acute : Yes Chronic: No Fire: No Pressure: No Reactivity: No (Pure/Solid)

Australian Hazchem Code: None allocated. Poison Schedule: None Allocated.

WHMIS: This MSDS has been prepared according to the Hazard Criteria of the Controlled products regulations (CPR) and the MSDS contains all of the information required by the CPR.

Section 16 ~ Other Information

	NFPA	HMIS	Key	
HEALTH	1	-	4=	Severe
FLAMMABILITY	0	-	3=	Serious
REACTIVITY	0	-	2=	Moderate
OTHER/PROTECTION	-	-	1=	Slight
			0=	Minimal