

**MATERIAL SAFETY DATA SHEET**

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**PRODUCT:** # 410 Winter Admixture

**SECTION 1 PRODUCT IDENTIFICATION**

Trade Name: Concrete and Mortar Admixture  
 Description: Liquid Solution, Blue-Green in Color  
 Hazard Rating: 1 – Health 0 – Fire 0 – Reactivity  
 (0=Least; 4=Extreme)

**SECTION 2 HAZARDOUS INGREDIENTS**

Chemical Name:	<u>OSHA-PEL</u>	<u>ACGIH-TLV</u>
Calcium Chloride CAS #010043-52-4	None	None
Potassium Chloride CAS #007447-40-7	None	None
Sodium Chloride CAS #007647-15-5	None	None
Water CAS #007732-18-5		

**SECTION 3 PHYSICAL/CHEMICAL DATA**

Boiling Point: 230<sup>0</sup> – 251<sup>0</sup> F.  
 Vapor Pressure (mm Hg): 77<sup>0</sup> F. 7 – 15  
 Vapor Density: Same as Water  
 Specific Gravity (at 77<sup>0</sup> F.): 1.29 – 1.44

**SECTION 4 FIRE & EXPLOSION DATA**

Not applicable. Material is water based and will not burn. The residue is a solid and also will not burn.

**SECTION 5 REACTIVITY DATA**

Incompatibility: Metals will slowly corrode in solution. Avoid contact with aluminum and yellow brass.  
 Hazardous Polymerization: Will not occur.

**SECTION 6 HEALTH HAZARD DATA**

Primary Routes of Entry: Inhalation, Skin, Ingestion, Eyes

Effects of Over Exposure (Chronic): Not Determined

Effects of Over Exposure (Acute):

Inhalation – Vapors are unlikely due to physical properties. Mist may cause irritation to upper respiratory tract.

Skin – Prolonged or repeated contact can cause irritation and burns

Ingestion – Can cause gastrointestinal irritation or ulceration

Eyes – May cause moderate to severe eye injury; corneal injury may be slow to heal

**SECTION 7 FIRST AID PROCEDURE**

Skin: Wash with flowing water or shower. Consult a physician.

Eyes: Flush with running water for 15 minutes. Consult a physician.

Inhalation: Remove to fresh air if effects occur. Consult a physician.

Ingestion: Induce vomiting. Consult a physician immediately.

**SECTION 8 PREVENTATIVE MEASURES/SAFE HANDLING & USE**

Leak and Spill Procedure: Flush with plenty of water. Keep out of drinking water sources.

Waste Disposal: Follow state and/or local regulations.

Precautions in Handling & Storage: Avoid prolonged contact with skin. Practice good personal hygiene. Read product label in its entirety before use. **DO NOT HEAT OR THIN THIS MATERIAL.**

**KEEP OUT OF REACH OF CHILDREN!**

**SECTION 9 CONTROL PROTECTION DATA**

Ventilation: Normally not needed. If TLV is exceeded, use approved NIOSH/MSHA respirator.

Eye Protection: Chemical splash proof goggles recommended

Clothing: Due to the composition of this material, waterproof clothing, boots and gloves are recommended.

Additional Personal Protection Equipment: Requirements must be supplied by the user depending on use conditions.

**SECTION 10 REGULATORY INFORMATION**

SARA Hazard Category: This product has been reviewed according to EPA Hazard Categories under Section 311 and 312 and SARA Title III and is considered to meet the following categories:

An Immediate Health Hazard

Identification Number: NMFC 91910

**SECTION 11 SHIPPING INFORMATION**

DOT Shipping Description: Calcium Chloride

ID #: None

Placards: None

Labels Required: Identity, Hazard Warning, Name and Address of responsible party

**SECTION 12 USER RESPONSIBILITY**

This product material safety data sheet provides health and safety information. The product is to be used in applications consistent with our product literature. Individuals handling this product must be informed of the recommended safety precautions and must have access to this information. For any other uses, exposures must be evaluated so that appropriate handling practices and training programs can be established to ensure safe work place operations. Please consult your local sales representative for any further information.

**SECTION 13 CLEAN UP AND DISPOSAL**

Practice good personal hygiene. Launder contaminated clothing before reuse. Use control protection such as chemical splash proof goggles, oil resistant gloves, barrier cream. Clean tools and equipment with soap and water. DO NOT USE GASOLINE OR NAPHTHA. Follow proper container management in disposing of containers. CERCLA amendment on disposal containers should be followed.

**SECTION 14 DISCLAIMER**

The information set forth herein is believed to be accurate but is not warranted to be, whether originating with ALCO-NVC, INC. or not. Recipients are advised to confirm in advance of need that the information is current, applicable and suitable to their circumstances.

Prepared By: Paul E. Smith

Dated: February 25, 1993

Revised: June 15, 1998

This Material Safety Data Sheet supersedes all other previously dated sheets for this product.

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