

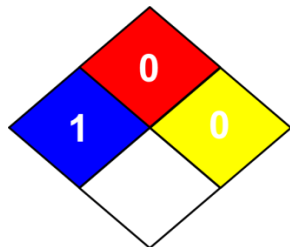
# Safety Data Sheet

Version: 5.0

Preparation Date: December, 2015

Supersedes All Previous Versions

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION



**Product Name:** ICAL

**Product Use:** Industrial Use

**Manufacturer/Distributor:** Innovative Surface Solutions

78 Orchard Road 454 River Road  
Ajax, Ontario Glenmont, NY  
L1S 6L1 12077

**Telephone:** 1-800-387-5777 1-800-257-5808

**24-Hour Emergency Telephone:** 613-996-6666 1-800-424-9300

**WHMIS Classification:** Not controlled

**Chemical Family:** Inorganic salt solution

## SECTION 2: HAZARD(S) IDENTIFICATION

GHS Classification		
Physical	Health	Environment
Not Hazardous	Eye irritation Category 2A	Not Hazardous
GHS hazard Pictogram		
Signal Word	Warning	
Hazard Statement	H319 Causes Serious Eye Irritation P280 Wear Protective Gloves / Protective Clothing / Eye Protection / Face Protection	
Precautionary Statements	P264 Wash hands thoroughly after handling P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: get medical advice / attention.	

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS #	% by Weight
Calcium Chloride	10043-52-4	28% - 35.0%

## SECTION 4: FIRST-AID MEASURES

**Eye** Remove contact lenses if present. Rinse eyes thoroughly with wash solution or clean water for at least 10 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical attention.

**Skin** Remove contaminated clothing; wash off any skin contamination immediately with plenty of water. Launder cloths before re-use.

**Ingestion** DONOT Induce vomiting. Wash out mouth with water and give plenty of water to drink (at least 300 ml). Obtain medical advice if symptoms persist.

**Inhalation** The product is only possible to inhale if it is sprayed. Remove to fresh air, keep warm and at rest. If symptoms persist; seek medical attention.

**Most Important Symptoms** May cause slight eye and skin irritation.

**Indication of Immediate Medical Attention** Immediate medical attention is not required.

## **SECTION 5: FIRE FIGHTING MEASURES**

### **Suitable Extinguishing Media**

Appropriate extinguishing media. This product is not combustible. Choose media depending on surrounding fire. All extinguishing medias are allowed. Expose to temperature above 160 C gives formation of toxic chloride gases. Protective actions and / or special protective equipment depending on surrounding fire. Aqueous solutions may cause surfaces to be extremely slippery and cause a slip hazard.

### **Specific Hazards Arising from the Chemical Protective Equipment and Precautions**

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment and Emergency Procedure Methods and Materials for Containment and Cleaning up**

Wear appropriate protective clothing as describe in section 9. Wash thoroughly after handling.  
Embark with sand or other inert material and collect the material as much as possible in a suitable container, preferably for re-use, otherwise for disposal. Wash the area with large quantities of water but not in sensitive environment. Report releases as required by local, state, and federal authorities.

## **SECTION 7: HANDLING & STORAGE**

### **Precaution for Safe Handling**

Wear protective clothing and equipment. Avoid contact with eyes, skin and clothing. Avid breathing mist or aerosols.  
Wash your skin thoroughly with soap and water after handling, if product comes in contact.

### **Safe Storage / Incompatibilities**

Store in cool, dry, well-ventilated area away from incompatible material. Carbon Steel, polyester, polyethylene and polypropylene are suitable material for construction. Do not store with acids and / or strong oxidizing and / or reducing agents.

## **SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION**

### **Exposure Guidelines**

Handling of aqueous Calcium Chloride normally does not demand any special exhaust ventilation.

### **Respiratory Protection**

For dusty or misty conditions, wear NIOSH approved dust or mist respirator.

### **Skin Protection**

Wear rubber or neoprene gloves, boots and long sleeve shirts.

### **Eye Protection**

Wear safety goggles.

### **Other**

Long-sleeved clothing and long pants recommended to avoid prolonged skin contact. Suitable washing facilities should be available in the work area.

## **SECTION 9: PHYSICAL & CHEMICAL PROPERTIES**

### **Physical State:**

Liquid

### **Appearance | Odor:**

Clear colorless | Odorless

### **Odor Threshold:**

Not established

### **Specific Gravity:**

1.270 to 1.350g/mL

### **pH:**

7.0 to 11.0 in 10% water solution

### **Vapor Pressure:**

0.1 Pa at 20 C

### **Solubility in Water:**

745 g / L at 20 C, 1590 g / L at 100 C

### **% Volatile:**

Not determined

### **Vapor Density:**

Not determined

### **Initial Boiling Point**

>1600 C

## **SECTION 10: STABILITY & REACTIVITY**

### **Reactivity / Chemical Stability**

Calcium chloride can react with strong reducing or oxidizing agents.

### **Conditions to Avoid**

None known

### **Incompatible Material**

Strong oxidizing agents, concentrated acids and some metals.



**Hazardous Decomposition Products**

When heated product decomposes and emits hydrogen chloride, halogenated compounds and chloride gas.

**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>Ingestion</b>	Ingestion may cause slight irritation with nausea, vomiting and diarrhea.
<b>Inhalation</b>	Inhalation of mist may cause slight irritation of nose, throat and upper respiratory tract.
<b>Eye</b>	May cause minor irritation with pain and tearing.
<b>Skin</b>	May cause slight irritation on prolonged or repeated contact.
<b>Carcinogenicity</b>	None of the component in the product is listed as carcinogen or suspected carcinogen by IARC, NTP or OSHA.
<b>Reproductive Toxicity</b>	None.
<b>Chronic</b>	None know.

**SECTION 12: ECOLOGICAL INFORMATION**

<b>Eco toxicity</b>	No data available.
<b>Persistence and Degradability</b>	Not applicable.
<b>Bio accumulative Potential</b>	No data available.
<b>Mobility in Soil</b>	No data available.
<b>Other Adverse Effects</b>	None known.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Dispose in accordance with local, state and federal environmental regulations.

**SECTION 14: TRANSPORT INFORMATION**

<b>Proper Shipping Name</b>	Not regulated
<b>UN Number</b>	None
<b>Hazard Class / packing Group</b>	None
<b>Label Required</b>	None

**SECTION 15: REGULATORY INFORMATION**

<b>DOT hazard material Description</b>	Not regulated, no label required
<b>CERCLA</b>	This product is not subjected to CERCLA release reporting. Many States have more stringent release reporting requirements. Report spills required under federal, state and local regulations.
<b>SARA Hazard Category (311 / 312)</b>	Not Hazardous
<b>SARA 313</b>	None
<b>EPA TSCA Inventory</b>	All of the ingredients in this product are listed on the EPA TSCA Inventory.
<b>CEPA</b>	All the components of this product are listed on the Canadian DSL
<b>WHMIS Classification</b>	Not classified as dangerous.

**SECTION 16: PREPARATION INFORMATION**

<b>Prepared By:</b>	Innovative Surface Solutions
<b>Telephone:</b>	905-427-0318
<b>Preparation Date:</b>	December, 2015
<b>Superseded Date:</b>	ALL PREVIOUS VERSIONS