

**OREQ CORPORATION**  
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**ClearView®**  
**MATERIAL SAFETY DATA SHEET**

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**SECTION I**

|                                                |                                                       |
|------------------------------------------------|-------------------------------------------------------|
| <b>MANUFACTURER'S NAME</b><br>Oreq Corporation | <b>EMERGENCY TELEPHONE</b><br>CHEMTREC 1-800-424-9300 |
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|-----------------------------------------------------------------------|
| <b>TRADE NAME AND SYNONYMS</b><br>ClearView® <b>CALCIUM INCREASER</b> |
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|                                                       |
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| <b>CHEMICAL NAME AND SYNONYMS</b><br>CALCIUM CHLORIDE |
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|                                          |                                                        |
|------------------------------------------|--------------------------------------------------------|
| <b>CHEMICAL FAMILY</b><br>INORGANIC SALT | <b>FORMULA</b><br>CaCl <sub>2</sub> X2H <sub>2</sub> O |
|------------------------------------------|--------------------------------------------------------|

**SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

|                    |        |                                         |
|--------------------|--------|-----------------------------------------|
| <b>COMPONENT</b>   |        | <b>HAZARD DATA</b>                      |
| CALCIUM CHLORIDE   | 77-80% | NOT ESTABLISHED                         |
| SODIUM CHLORIDE    | 1-2%   |                                         |
| POTASSIUM CHLORIDE | 2-3%   |                                         |
| INERT              |        | <b>(PEL OSHA PPM) - NOT ESTABLISHED</b> |

**SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS**

|                               |                                          |
|-------------------------------|------------------------------------------|
| <b>BOILING POINT</b><br>175°C | <b>SPECIFIC GRAVITY (H20-1)</b><br>1.835 |
|-------------------------------|------------------------------------------|

|                                              |                                     |
|----------------------------------------------|-------------------------------------|
| <b>VAPOR PRESSURE (mm Hg.)</b><br>1.0 @ 20°C | <b>VAPOR DENSITY (AIR=1)</b><br>N/A |
|----------------------------------------------|-------------------------------------|

|                                            |                               |                                           |
|--------------------------------------------|-------------------------------|-------------------------------------------|
| <b>SOLUBILITY IN WATER</b><br>VERY SOLUBLE | <b>MELTING POINT</b><br>174°C | <b>pH</b><br>NEUTRAL OR SLIGHTLY ALKALINE |
|--------------------------------------------|-------------------------------|-------------------------------------------|

|                                                            |                                                                |
|------------------------------------------------------------|----------------------------------------------------------------|
| <b>APPEARANCE AND ODOR</b><br>SMALL WHITE FLAKES, ODORLESS | <b>EVAPORATION RATE</b><br>(BUTYL ACETATE=1) – NOT ESTABLISHED |
|------------------------------------------------------------|----------------------------------------------------------------|

**SECTION IV – FIRE AND EXPLOSION HAZARDS**

|                                                   |                                |
|---------------------------------------------------|--------------------------------|
| <b>FLASH POINT (METHOD USED)</b><br>NOT FLAMMABLE | <b>FLAMMABLE LIMITS</b><br>N/A |
|---------------------------------------------------|--------------------------------|

|                                   |
|-----------------------------------|
| <b>EXTINGUISHING MEDIA</b><br>N/A |
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|                                                 |
|-------------------------------------------------|
| <b>SPECIAL FIRE FIGHTING PROCEDURES</b><br>NONE |
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|                                                   |
|---------------------------------------------------|
| <b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b><br>NONE |
|---------------------------------------------------|

**SECTION V – HEALTH HAZARD DATA**

|                                                                                                              |
|--------------------------------------------------------------------------------------------------------------|
| <b>THRESHOLD LIMIT VALUE – AIRBORNE LIMIT IS 10MG/CU.M</b>                                                   |
| <b>TOXICITY – ACUTE SKIN: THE LD50 FOR SKIN ABSORPTION IN RABBITS IS &gt;5000 MG/KG FOR CaCl<sub>2</sub></b> |
| <b>INGESTION: ORAL LD50 FOR RATS IS 967 – 1668 MG/KG FOR CaCl<sub>2</sub></b>                                |
| <b>ROUTES OF ENTRY – INHALATION, EYE CONTACT, SKIN CONTACT, INGESTION</b>                                    |

**EFFECTS OF OVER-EXPOSURE** – INHALATION MAY IRRITATE NOSE, THROAT, AND LUNGS. INGESTION: MAY IRRITATE GASTROINTESTINAL TRACT. SKIN: MAY IRRITATE WITH PROLONGED EXPOSURE WHEN MOISTURE IS PRESENT, SUPERFICIAL BURNS. CONTACT WITH OPEN WOUND CAN CAUSE SEVERE NEUROSIS. EYES: MAY IRRITATE AND BURN

**EMERGENCY AND FIRST AID PROCEDURES** – EYES: HOLD OPEN AND FLUSH WITH A STEADY STREAM OF WATER FOR 15 MINUTES, GET MEDICAL ATTENTION. SKIN: WASH WITH LOTS OF SOAP AND WATER. INGESTION: GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR.

## SECTION VI – REACTIVITY DATA

**STABILITY**  
VERY STABLE

**CONDITIONS TO AVOID**  
N/A

**INCOMPATIBILITY** – CORROSIVE TO SOME METALS. AVOID CONTACT WITH METALS SUCH AS BRASS, MILD STEEL, ALUMINUM, OR FERROUS METALS. AVOID CONTACT WITH SULFURIC ACID. HEAT IS GENERATED WHEN MIXED IN WATER. AVOID MOISTURE/HIGH HUMIDITY.

**HAZARDOUS DECOMPOSITION PRODUCTS**  
NONE

**HAZARDOUS POLYMERIZATION**  
WILL NOT OCCUR

## SECTION VII – PRECAUTIONS FOR SAFE HANDLING

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED** – SHOVEL UP DRY CHEMICAL AND PLACE IN A PLASTIC DRUM WITH COVER. CAUTIOUSLY SPRAY RESIDUE WITH PLENTY OF WATER.

**WASTE DISPOSAL METHOD** – DO NOT DUMP INTO ANY SEWERS OR BODY OF WATER. ALL METHODS MUST BE IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL LAWS.

## SECTION VIII – CONTROL MEASURES

**RESPIRATORY PROTECTION**  
WEAR NIOSH – APPROVED DUST OR MIST RESPIRATOR.

|                    |                                                                                               |                       |
|--------------------|-----------------------------------------------------------------------------------------------|-----------------------|
| <b>VENTILATION</b> | <b>LOCAL EXHAUST</b><br>NEEDED IN PACKAGING AND UNLOADING<br>AREAS WHERE DUST OR MIST PREVAIL | <b>SPECIAL</b><br>N/A |
|                    | <b>MECHANICAL</b> N/A                                                                         | <b>OTHER</b> N/A      |

|                                           |                                                       |
|-------------------------------------------|-------------------------------------------------------|
| <b>PROTECTIVE GLOVES</b><br>RUBBER GLOVES | <b>EYE PROTECTION</b><br>WEAR CHEMICAL SAFETY GOGGLES |
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**OTHER PROTECTIVE EQUIPMENT**  
LONG SLEEVED CLOTHING AND BOOTS

## SECTION IX – SPECIAL PRECAUTIONS

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING** – AVOID CONTACT WITH EYES, SKIN, OR CLOTHING. AVOID BREATHING DUST OR MIST. STORE IN A COOL DRY PLACE. PROLONGED STORAGE MAY CAUSE PRODUCT TO CAKE OR BECOME WET FROM ATMOSPHERIC MOISTURE.

**OTHER PRECAUTIONS**  
NONE

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