

**PRO PACKAGING, INC./OREQ CORPORATION**  
**205 Commercial Dr., St. Augustine, FL 32092**

**ClearView®**  
**MATERIAL SAFETY DATA SHEET**

INFORMATION ON THIS FORM IS FURNISHED SOLELY FOR THE PURPOSE OF COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND SHALL NOT BE USED FOR ANY OTHER PURPOSE USE OR DISSEMINATION OF ALL OR ANY PART OF THIS INFORMATION FOR ANY OTHER PURPOSE MAY RESULT IN A VIOLATION OF LAW OR CONSTITUTE GROUNDS FOR LEGAL ACTION

**SECTION I**

<b>MANUFACTURER'S NAME</b> PRO PACKAGING, INC.	<b>EMERGENCY TELEPHONE</b> CHEMTREC 1-800-424-9300
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<b>TRADE NAME AND SYNONYMS</b> ClearView® ALGAECURE 90
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<b>CHEMICAL NAME AND SYNONYMS</b> TRICHLOROISOCYANURIC ACID
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<b>CHEMICAL FAMILY</b> ORGANIC CHLORINE MIXTURE	<b>FORMULA</b> 1,3,5 - TRICHLORO-5-TRIAZINE - 2,4,6 - TRIONE
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**SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

<b>COMPONENT</b> TRICHLORO-S-TRIAZINETRIONE	99.0%	<b>HAZARD DATA</b> CORROSIVE (SKIN, EYES, MUCOUS MEMBRANE) (PEL OSHA PPM) – NOT ESTABLISHED
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**SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS**

<b>BOILING POINT</b> N/A	<b>SPECIFIC GRAVITY (H20-1)</b> 2.07
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<b>VAPOR PRESSURE (MM Hg.)</b> N/A	<b>VAPOR DENSITY (AIR=1)</b> IS HEAVIER THAN AIR
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<b>SOLUBILITY IN WATER</b> 1.28G/100ML WATER AT 25°C	<b>MELTING POINT</b> 226°C	<b>pH</b> 2.8
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<b>APPEARANCE AND ODOR</b> WHITE SOLID WITH CHLORINE ODOR	<b>EVAPORATION RATE</b> (BUTYL ACETATE=1) – NOT ESTABLISHED
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**SECTION IV – FIRE AND EXPLOSION HAZARDS**

<b>FLASH POINT (METHOD USED)</b> NONE	<b>FLAMMABLE LIMITS</b> NONE
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<b>EXTINGUISHING MEDIA</b> MASSIVE AMOUNTS OF WATER.
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<b>SPECIAL FIRE FIGHTING PROCEDURES</b> – FIREFIGHTERS SHOULD WEAR FULL PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS. THOROUGHLY DECONTAMINATE EQUIPMENT, INCLUDING ALL CLOTHING AFTER THE INCIDENT.
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<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b> HIGHLY REACTIVE OXIDIZING AND CHLORINATING AGENT. CONTACT WITH ORGANIC MATTER, EASILY CHLORINATED, OR OXIDIZING MATERIALS MAY RESULT IN FIRE. QUENCH WITH MASSIVE QUANTITIES OF WATER TO EXTINGUISH THERMAL DECOMPOSING PRODUCTS. IF POSSIBLE, ISOLATE THEM TO AN OPEN AREA WEARING SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE AND PROTECTIVE CLOTHING.
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**SECTION V – HEALTH HAZARD DATA**

<b>THRESHOLD LIMIT VALUE</b> – NOT ESTABLISHED <b>TOXICITY</b> – ORAL LD50 (RAT) (MG/KG): 1.060 (MALE) AND 1.010 (FEMALE)
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**ROUTES OF ENTRY** – INHALATION, EYE CONTACT, SKIN CONTACT, INGESTION

**EFFECTS OF OVER-EXPOSURE** – THIS PRODUCT CAN INDUCE CHEMICAL BURNS AFTER CONTACT IS MADE WITH HUMAN EYES AND SKIN. THE DUST OF THIS PRODUCT CAN IRRITATE RESPIRATORY PASSAGES.

**EMERGENCY AND FIRST AID PROCEDURES** – EYES: FLUSH IMMEDIATELY WITH COLD WATER FOR AT LEAST 15 MINUTES, SEEK MEDICAL ATTENTION. SKIN: BRUSH OFF EXCESS CHEMICAL AND FLUSH SKIN WITH COLD WATER FOR AT LEAST 15 MINUTES, IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, HAVE TRAINED PERSON TO ADMINISTER OXYGEN. IF NOT BREATHING, ADMINISTER CPR, CALL DOCTOR IMMEDIATELY. INGESTION: DO NOT INDUCE VOMITING. CALL A DOCTOR OR POISON CONTROL CENTER IMMEDIATELY.

#### **SECTION VI – REACTIVITY DATA**

**STABILITY**

STABLE UNDER DRY AND NORMAL CONDITIONS.

**CONDITIONS TO AVOID**

HIGH TEMPERATURE, POOR VENTILATION, MOISTURE, HIGH HUMIDITY, CONTAMINATION.

**INCOMPATIBILITY** – CONTACT WITH MOST ORGANIC MATTER OR EASILY CHLORINATED OR OXIDIZED MATERIALS MAY RESULT IN FIRE. CONTACT WITH AMMONIA, AMONIUM SALTS, UREA OR SIMILAR COMPOUNDS WHICH CONTAIN NITROGEN MAY FORM NITROGEN TRICHLORIDE, A HIGHLY EXPLOSIVE COMPOUND. THIS PRODUCT MAY FORM AN EXPLOSIVE MIXTURE WITH CALCIUM HYPOCHLORITE.

**HAZARDOUS DECOMPOSITION PRODUCTS** – NITROGEN TRICHLORIDE, CHLORINE, CYANURIC ACID.

**HAZARDOUS POLYMERIZATION**

WILL NOT OCCUR UNDER NORMAL CONDITIONS.

#### **SECTION VII – PRECAUTIONS FOR SAFE HANDLING**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED** – SWEEP UP LEAKS OR SPILLS OF THIS PRODUCT WITH DRY BROOM AND DISSOLVE THEM IN WATER. NEUTRALIZE THIS SOLUTION WITH SODIUM THIOSULFATE OR SODIUM SULFITE AND DISCARD IT WHILE CONTROLLING TEMPERATURE AND pH.

**WASTE DISPOSAL METHOD**

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

#### **SECTION VIII – CONTROL MEASURES**

**RESPIRATORY PROTECTION** – IF NEEDED, USE MSHA/NIOSH APPROVED RESPIRATOR FOR DUSTS, MISTS, AND FUMES.

**VENTILATION**

**LOCAL EXHAUST** – NEED IN AREAS WHERE DUST OR MIST PREVAIL

**SPECIAL** - NONE

**MECHANICAL** – USE FOR GENERAL CONTROL

**OTHER** - NONE

**PROTECTIVE GLOVES**

WEAR RUBBER GLOVES, AVOID SKIN CONTACT

**EYE PROTECTION**

WEAR SAFETY GOGGLES OR GLASSES WITH SIDE SHIELDS

**OTHER PROTECTIVE EQUIPMENT** – FACILITIES STORING OR UTILIZING THIS MATERIAL SHOULD BE EQUIPPED WITH AN EYE WASH AND SAFETY SHOWER.

#### **SECTION IX – SPECIAL PRECAUTIONS**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING** – DO NOT MIX WITH OTHER CHEMICALS, NEVER ADD WATER TO THE PRODUCT, ALWAYS ADD PRODUCT TO LARGE QUANTITIES OF WATER. USE DRY CLEAN UTENSILS. DO NOT ADD TO DISPENSING DEVICE CONTAINING REMNANTS OF ANY OTHER PRODUCT. THIS MAY CAUSE A VIOLENT REACTION. CONTAMINATION WITH MOISTURE, ORGANIC MATTER, OR OTHER CHEMICALS WILL START A REACTION AND GENERATE HEAT, HAZARDOUS GASES, POSSIBLE FIRE AND EXPLOSION. IF CONTAMINATED, DO NOT RESEAL CONTAINER. IF POSSIBLE, PUT CONTAINER IN OPEN AIR, FLOOD AREA WITH LOTS OF WATER.

**OTHER PRECAUTIONS**

NONE

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