

**PRO PACKAGING, INC./OREQ CORPORATION**  
**42306 Remington Avenue Temecula CA 92590**

**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® GRANULAR
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<b>CHEMICAL NAME AND SYNONYMS</b> 1,3-DICHLORO-1,3,5-TRIAZINE-2,4,6(1H,3H,5H)-TRIONE SODIUM SALT DIHYDRATE
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<b>CHEMICAL FAMILY</b> INORGANIC CHLORINE MIXTURE	<b>FORMULA</b> C <sub>3</sub> CL <sub>2</sub> N <sub>3</sub> O <sub>3</sub> Na · 2H <sub>2</sub> O
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**SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

<b>COMPONENT</b> SODIUM DICHLORO-S-TRIAZINETRIONE DIHYDRATE	100%	<b>HAZARD DATA</b> – THIS PRODUCT CAN INDUCE CHEMICAL BURNS AFTER CONTACT IS MADE WITH HUMAN EYE OR SKIN. THE DUST FROM THIS PRODUCT CAN IRRITATE RESPIRATORY PASSAGES.  (PEL OSHA PPM) – NOT ESTABLISHED
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**SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS**

<b>BOILING POINT</b> N/A	<b>SPECIFIC GRAVITY (H2O-1)</b> 1.95
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<b>VAPOR PRESSURE (MM Hg.)</b> N/A	<b>VAPOR DENSITY (AIR=1)</b> 0.92
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<b>SOLUBILITY IN WATER</b> 26.2 G/100 ML H2O @25°C	<b>MELTING POINT</b> DECOMPOSES AT 240°C	<b>pH</b> 1% SOLUTION 6.5
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<b>APPEARANCE AND ODOR</b> WHITE CRYSTALLINE GRANULAR WITH SLIGHT CHLORINE ODOR	<b>EVAPORATION RATE</b> (BUTYL ACEATE=1) – NOT ESTABLISHED
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**SECTION IV – FIRE AND EXPLOSION HAZARDS**

<b>FLASH POINT (METHOD USED)</b> N/A	<b>FLAMMABLE LIMITS</b> N/A
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**EXTINGUISHING MEDIA** – WATER ONLY! SMOTHERING IS INEFFECTIVE, PRODUCT SUPPLIES OWN OXYGEN

**SPECIAL FIRE FIGHTING PROCEDURES** – QUENCH WITH MASSIVE QUANTITIES OF WATER TO EXTINGUISH THERMAL DECOMPOSING PRODUCT. WEAR SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE AND PROTECTIVE CLOTHING.

**UNUSUAL FIRE AND EXPLOSION HAZARDS** – HIGHLY REACTIVE OXIDIZING AND CHLORINATING AGENT. CONTACT WITH ORGANICS OR EASILY CHLORINATED MATERIAL MAY CAUSE FIRE.

**SECTION V – HEALTH HAZARD DATA**

<b>THRESHOLD LIMIT VALUE</b> – NOT ESTABLISHED <b>TOXICITY</b> – ORAL LD50 (RAT)(MG/KG): 1355 (MALE) AND 1400 (FEMALE)
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**ROUTES OF ENTRY** – INHALATION, EYE CONTACT, SKIN CONTACT, INGESTION

**EFFECTS OF OVER-EXPOSURE** – INHALATION: IRRITATION, NASAL CONGESTION, COUGHING, SORE THROAT

**EMERGENCY AND FIRST AID PROCEDURES** – SKIN CONTACT; WASH WITH LARGE AMOUNTS OF SOAP AND WATER. EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES AND CALL PHYSICIAN. INGESTION: DO NOT INDUCE VOMITING. FEED PERSON BREAD SOAKED IN MILK, FOLLOWED BY OLIVE OR COOKING OIL AND GET MEDICAL ATTENTION. INHALATION: REMOVE VICTIM TO FRESH AIR, CONSULT PHYSICIAN.

#### SECTION VI – REACTIVITY DATA

**STABILITY**

STABLE UNDER DRY CONDITIONS

**CONDITIONS TO AVOID**

SEE INCOMPATIBILITY SECTION

**INCOMPATIBILITY** – CONTACT WITH MOST ORGANIC MATTER OR EASILY CHLORINATED OR OXIDIZED MATERIALS MAY RESULT IN FIRE. CONTACT WITH AMMONIA, UREA OR SIMILAR COMPOUNDS WHICH CONTAIN NITROGEN MAY FORM NITROGEN TRICHLORIDE, A HIGHLY EXPLOSIVE COMPOUND. CONTAMINATION WITH OILS AND GREASES MAY CAUSE DECOMPOSITION WITH FORMATION OF CO<sub>2</sub> AND CL<sub>2</sub>. THIS PRODUCT MAY FORM AN EXPLOSIVE MIXTURE WITH CALCIUM HYPOCHLORITE IN A FORMULATION CONTAINING THIS MATERIAL AS THE MAJOR COMPONENT. ALKALINE MATERIALS SUCH AS SODA ASH (Na<sub>2</sub>CO<sub>3</sub>) IN THE PRESENCE OF MOISTURE MAY CAUSE VOILENT DECOMPOSITION.

**HAZARDOUS DECOMPOSITION PRODUCTS**

NITROGEN TRICHLORIDE, CHLORINE, CYANURIC ACID

**HAZARDOUS POLYMERIZATION - WILL NOT OCCUR**

#### SECTION VII – PRECAUTIONS FOR SAFE HANDLING

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED** – SWEEP UP LEAKS OR SPILLS OF THE PRODUCT WITH DRY BROOM AND DISSOLVE IN WATER, THEN NEUTRALIZE THIS SOLUTION WITH SODIUM THIOSULFATE OR SODIUM PERCARBONATE.

**WASTE DISPOSAL METHOD** – ADD THIS PRODUCT INTO DILUTED SOLUTION OF SODIUM HYDROXIDE OR SODA ASH WHILE STIRING GRADUALLY AND NEUTRALIZE THAT SOLUTION WITH REDUCTION AGENTS SUCH AS SODIUM THIOSULFATE OR SODIUM PERCARBONATE. ADJUST ‘pH WITH SULFURIC ACID OR HYDROCHLORIC ACID TO MAKE NEUTRAL SOLUTION AND DISPOSE.

#### SECTION VIII – CONTROL MEASURES

**RESPIRATORY PROTECTION**

NIOSH APPROVED RESPIRATOR

**VENTILATION**

**LOCAL EXHAUST** – NEEDED IN AREAS WHERE DUST OR MIST PREVIAL

**SPECIAL** – NONE

**MECHANICAL** – USE FOR GENERAL AREA CONTROL

**OTHER** - NONE

**PROTECTIVE GLOVES**

USE IMPERVIOUS GLOVES

**EYE PROTECTION**

CHEMICAL TIGHT GOGGLES

**OTHER PROTECTIVE EQUIPMENT**

BOOTS, APRONS, OR CHEMICAL SUITES

PERSONAL PROTECTIVE CLOTHING AND USE OF EQUIPMENT MUST BE IN ACCORDANCE WITH 29 CFR 1910.132 & 29 CFR 1910.133.

#### SECTION IX – SPECIAL PRECAUTIONS

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING** – DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING. KEEP IN ORIGINAL CONTAINER IN A COOL DRY PLACE. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP AWAY FROM HEAT SOURCES, SPARKS, OPEN FLAMES AND LIGHTED TOBACCO PRODUCTS. USE ONLY A CLEAN DRY SCOOP MADE OF METAL OR PLASTIC EACH TIME THIS PRODUCT IS TAKEN FROM CONTAINER. DO NOT ADD THIS PRODUCT TO ANY DISPENSING DEVICE CONTAINING REMNANTS OF ANY OTHER PRODUCT, THIS MAY CAUSE VIOLENT REACTIONS OF FIRE OR EXPLOSION. ADD THIS PRODUCT ONLY TO WATER. IT MAY CAUSE FIRE OR EXPLOSION IF MIXED WITH MATERIALS SUCH AS OIL, KEROSENE, GASOLINE, PAINT PRODUCTS AND MOST OTHER ORGANIC MATERIALS. WASH HANDS AFTER HANDLING. STORE OUT OF REACH OF CHILDREN.

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