

**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**

**MANUFACTURER'S NAME**  
**PRO PACKAGING, INC.**

**EMERGENCY TELEPHONE**  
**CHEMTREC 1-800-424-9300**

**TRADE NAME AND SYNONYMS**  
**ClearView® pH DOWN**

**CHEMICAL NAME AND SYNONYMS**  
**SODIUM BISULFATE**

**CHEMICAL FAMILY**  
**INORGANIC ACID SALT**

**FORMULA**  
**NaHSO<sub>4</sub>**

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

**COMPONENT**

SODIUM BISULFATE 93.2%  
SODIUM SULFATE 6.5%

**HAZARD DATA**

CAUSES EYE AND SKIN IRRITATION  
**(PEL OSHA PPM) – NOT ESTABLISHED**

**SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS**

**BOILING POINT**  
338°F (170°C)

**BULK DENSITY**  
83lb/ft<sup>3</sup>

**VAPOR PRESSURE (MM Hg.)**  
N/A

**VAPOR DENSITY (AIR=1)**  
N/A

**SOLUBILITY IN WATER**  
100%

**MELTING POINT**  
350°F

**APPEARANCE AND ODOR**  
OFF WHITE CRYSTALLINE SOLID, ODORLESS

**EVAPORATION RATE**  
(BUTYL ACETATE=1) - NOT ESTABLISHED

**SECTION IV – FIRE AND EXPLOSION HAZARDS**

**FLASH POINT (METHOD USED)**  
WILL NOT BURN

**FLAMMABLE LIMITS**  
NOT ESTABLISHED

**EXTINGUISHING MEDIA** - WATER OR DRY CHEMICAL AS APPROPRIATE FOR COMBUSTIBLES IN AREA. AVOID WATER CONTACT TO MATERIAL IF POSSIBLE.

**SPECIAL FIRE FIGHTING PROCEDURES** – IF WATER IS USED TO EXTINGUISH COMBUSTIBLES AND PRODUCT IS DISSOLVED IN WATER FORMING SULFURIC ACID, WEAR ACID PROTECTIVE EQUIPMENT. IF ELEVATED TEMPERATURES (>570°F) ARE REACHED, SELF-CONTAINED BREATHING APPARATUS SHOULD BE WORN.

**UNUSUAL FIRE AND EXPLOSION HAZARDS** – PRODUCT READILY DISSOLVES IN WATER TO FORM A WEAK SULFURIC ACID SOLUTION. NO GAS OR TOXIC FUMES ARE EMITTED.

**SECTION V – HEALTH HAZARD DATA**

**THRESHOLD LIMIT VALUE** – NOT ESTABLISHED  
**TOXICITY** – CAN CAUSE EYE AND SKIN BURNS

**ROUTES OF ENTRY** – INHALATION, EYE CONTACT, SKIN CONTACT, INGESTION

**EFFECTS OF OVER-EXPOSURE** – EYE IRRITATION AND SKIN IRRITATION CAN OCCUR; PROLONGED EXPOSURE CAN LEAD TO BURNS.

**EMERGENCY AND FIRST AID PROCEDURES** – EYES: FLUSH WITH WATER FOR 15 MINUTES, HOLDING LIDS OPEN, SEEK MEDICAL ATTENTION. INHALATION: MOVE TO FRESH AIR LOCATION. IF IRRITATION OR DISCOMFORT PERSISTS, SEEK MEDICAL ATTENTION. SKIN: FLUSH WITH WATER FOR 15 MINUTES, WASH CONTAMINATED CLOTHES. INGESTION: DRINK LARGE QUANTITIES OF WATER AND FOLLOW WITH MILK OF MAGNESIA, VEGETABLE OIL, OR BEATEN EGG, SEEK MEDICAL ATTENTION. DO NOT INDUCE VOMITING.

## SECTION VI – REACTIVITY DATA

**STABILITY**  
STABLE

**CONDITIONS TO AVOID**  
NONE KNOWN

**INCOMPATIBILITY** – AVOID CONTACT WITH STRONG ALKALINE MATERIAL SUCH AS CAUSTIC. DO NOT MIX WITH LIQUID CHLORINE BLEACH, AMMONIA CLEANSERS, OR SIMILAR PRODUCTS.

**HAZARDOUS DECOMPOSITION PRODUCTS** – AT TEMPERATURES OVER 806°F, PRODUCT WILL DECOMPOSE, GENERATING OXIDES OF SULFUR.

**HAZARDOUS POLYMERIZATION**  
WILL NOT OCCUR

## SECTION VII – PRECAUTIONS FOR SAFE HANDLING

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED** – PICKUP AS MUCH MATERIAL AS POSSIBLE WITH SHOVEL OR OTHER TOOL. NEUTRALIZE BALANCE OF SPILL WITH WEAK ALKALINE SOLUTION.

**WASTE DISPOSAL METHOD** – DISSOLVE WASTE IN WATER, NEUTRALIZE WITH WEAK BASE AND FLUSH TO INDUSTRIAL SEWER IF ALLOWED BY LOCAL REGULATIONS OR SEND TO AN AQUEOUS WASTE DISPOSAL FACILITY.

## SECTION VIII – CONTROL MEASURES

**RESPIRATORY PROTECTION**  
NOT NORMALLY REQUIRED. WEAR DUST MASK WHERE HEAVY DUSTING OCCURS.

**VENTILATION**

**LOCAL EXHAUST**

USE TO MINIMIZE DUST

**MECHANICAL** -USE FOR GENERAL AREA CONTROL

**SPECIAL**

NONE

**OTHER** - NONE

**PROTECTIVE GLOVES**

RUBBER GLOVES

**EYE PROTECTION**

SAFETY GOGGLES OR GLASSES

**OTHER PROTECTIVE EQUIPMENT**

LONG SLEEVED CLOTHING AND BOOTS

## SECTION IX – SPECIAL PRECAUTIONS

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING** – AVOID CONTACT WITH SKIN, EYES, OR CLOTHING. KEEP CONTAINER TIGHTLY CLOSED. DO NOT STORE WHERE EXPOSED TO MOIST CONDITIONS OR NEAR ALKALIS.

**OTHER PRECAUTIONS**

NONE

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