

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

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

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**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	CONDITIONS TO AVOID
STABLE	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	SPECIAL
	USE TO MINIMIZE DUST	NONE
	<b>MECHANICAL</b> -USE FOR GENERAL AREA CONTROL	<b>OTHER</b> - NONE

PROTECTIVE GLOVES	EYE PROTECTION
RUBBER GLOVES	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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