

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

MANUFACTURER'S NAME BIOLAB	EMERGENCY TELEPHONE CHEMTREC 1-800-424-9300
--------------------------------------	---

TRADE NAME AND SYNONYMS ClearView® BROMOTAB

CHEMICAL NAME AND SYNONYMS 1-BROMO-3-CHLORO-5, 5-DIMETHYLHYDANTOIN
--

CHEMICAL FAMILY HALOGENATED HYDANTOIN	FORMULA C ₅ H ₆ BrCIN ₂ O ₂
---	---

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

COMPONENT		HAZARD DATA
1-BROMO-3CHLORO-5,	96%	PRODUCT IS CONSIDERED CORROSIVE TO SKIN AND EYES (PEL OSHA PPM) NE(1)
5-5DIMETHYLHYDANTOIN		
INERT	4%	

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT NOT DETERMINED	SPECIFIC GRAVITY (H20-1) N/A
--	--

VAPOR PRESSURE (MM Hg.) N/A	VAPOR DENSITY (AIR=1) N/A
---------------------------------------	-------------------------------------

SOLUBILITY IN WATER 0.15G/100G H ₂ O	MELTING POINT WITH DECOMPOSITION
---	--

APPEARANCE AND ODOR WHITE TABLETS WITH FAINT HALOGEN ODOR	EVAPORATION RATE (BUTYL ACETATE=1) – NOT ESTABLISHED
---	--

SECTION IV – FIRE AND EXPLOSION HAZARDS

FLASH POINT (METHOD USED) N/A	FLAMMABLE LIMITS N/A
---	--------------------------------

EXTINGUISHING MEDIA USE LARGE QUANTITIES OF WATER. DO NOT USE ABC OR OTHER DRY CHEMICAL EXTINGUISHERS

SPECIAL FIRE FIGHTING PROCEDURES – WEAR SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE. HYDROGEN BROMIDE OR BROMINE MAY BE RELEASED. AMMONIUM PHOSPHATE ABC EXTINGUISHERS SHOULD NOT BE USED.
--

UNUSUAL FIRE AND EXPLOSION HAZARDS – IN FIRES FUELED BY OTHER MATERIALS, THE PRODUCT MAY SMOLDER FOR PROLONGED PERIODS EMITTING A DENSE BLACK SMOKE
--

SECTION V – HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE – SKIN IRRITATION INDEX IS 6.1 TOXICITY – NOT LISTED BY OSHA AS A CARCINOGENIC. ORAL LD50 IN RATS IS 578 MG/KG DERMAL LD50 IS >2.0G/GK IN RABBITS, CONTACT WITH DILUTED SOLUTIONS (.1% OR LESS IS NON IRRITATING)
--

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

EFFECTS OF OVER-EXPOSURE – CAN CAUSE IRREVERSIBLE EYE DAMAGE AND SKIN IRRITATION FROM CONTACT. INHALATION OF DUST CAN CAUSE NASAL AND THROAT IRRITATION.

EMERGENCY AND FIRST AID PROCEDURES – EYES: FLUSH WITH WATER FOR 15 MINUTES. SKIN: WASH WITH SOAP AND WATER FOR 15 MINUTES. IF IRRITATION DEVELOPS SEEK MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING, DO NOT DRINK ALCOHOL. DRINK LARGE AMOUNTS OF WATER. SEEK MEDICAL ATTENTION PROMPTLY. INHALATION: REMOVE TO FRESH AIR, IF BREATHING IS DIFFICULT, HAVE TRAINED PERSON ADMINISTER OXYGEN, CALL A PHYSICIAN IMMEDIATELY.

SECTION VI – REACTIVITY DATA

STABILITY
STABLE UNDER NORMAL CONDITIONS

CONDITIONS TO AVOID
HIGH TEMPERATURE, POOR VENTILATION

INCOMPATIBILITY – AVOID EASILY OXIDIZABLE ORGANIC MATERIAL, AMMONIA, UREA, OR SIMILAR NITROGEN CONTAINING COMPOUNDS, STRONG REDUCING AGENTS, AND CALCIUM HYPOCHLORITE.

HAZARDOUS DECOMPOSITION PRODUCTS – BROMINE AND CHLORINE-CONTAINING GASES, HYDROGEN BROMIDE AND HYDROGEN CHLORIDE.

HAZARDOUS POLYMERIZATION
WILL NOT OCCUR

CONDITIONS TO AVOID
NONE

SECTION VII – PRECAUTIONS FOR SAFE HANDLING

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED – CONTAIN MATERIAL; KEEP SPILLED MATERIAL DRY SWEEP OR SCOOP UP ALL SPILLED MATERIAL AND PLACE IN A CONTAINER FOR DISPOSAL. ONCE DRY CLEAN UP IS DONE, WASH AREA WITH LARGE AMOUNTS OF WATER. AVOID CONTACT WITH SKIN AND EYES, AVOID BREATHING DUST.

WASTE DISPOSAL METHOD – DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS

SECTION VIII – CONTROL MEASURES

RESPIRATORY PROTECTION
AVOID BREATHING DUST, WEAR APPROVED DUST MASK WHEN HANDLING.

VENTILATION	LOCAL EXHAUST – MAINTAIN SUFFICIENT EXHAUST TO KEEP FROM OVER EXPOSURE	SPECIAL NONE
	MECHANICAL USE FOR GENERAL AREA CONTROL	OTHER - NONE

PROTECTIVE GLOVES – RUBBER GLOVES AND PROTECTIVE CLOTHING TO AVOID CONTACT.	EYE PROTECTION CHEMICAL SAFETY GOGGLES
--	--

OTHER PROTECTIVE EQUIPMENT – LONG SLEEVED CLOTHING, WASH THOROUGHLY AFTER HANDLING

SECTION IX – SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING – STORE IN A COOL DRY PLACE IN CLOSED CONTAINER, KEEP LIDS TIGHTLY CLOSED WHEN NOT IN USE, KEEP AWAY FROM HEAT, OPEN FLAME, ORGANIC CHEMICALS, AND SUNLIGHT.

OTHER PRECAUTIONS – DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL

THE INFORMATION SUPPLIED ABOVE IS PRESENTED IN GOOD FAITH AND HAS BEEN DERIVED FROM SOURCES BELIEVED TO BE RELIABLE, HOWEVER, NO WARRANTY EXPRESSED OR IMPLIED IS EXTENDED REGARDING ITS ACCURACY OR THE RESULTS TO BE OBTAINED FROM ITS USE SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL. ALL RISKS ARE ASSUMED BY THE USER.