

OREQ CORPORATION
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ClearView®
MATERIAL SAFETY DATA SHEET

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SECTION I

MANUFACTURER'S NAME
SHIKOKU CHEMICALS CORPORATION

EMERGENCY TELEPHONE
CHEMTREC 1-800-424-9300

TRADE NAME AND SYNONYMS
ClearView® ALGAECURE

CHEMICAL NAME AND SYNONYMS
TRICHLOROISOCYANURIC ACID

CHEMICAL FAMILY
ORGANIC CHLORINE MIXTURE

FORMULA
1,3,5 - TRICHLORO-5-TRIAZINE - 2,4,6 - TRIONE

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

COMPONENT		HAZARD DATA
TRICHLORO-S-TRIAZINETRIONE	99.0%	CORROSIVE (SKIN, EYES, MUCOUS MEMBRANE) (PEL OSHA PPM) – NOT ESTABLISHED

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT	SPECIFIC GRAVITY (H20-1)
N/A	2.07

VAPOR PRESSURE (MM Hg.)	VAPOR DENSITY (AIR=1)
N/A	IS HEAVIER THAN AIR

SOLUBILITY IN WATER	MELTING POINT	pH
1.28G/100ML WATER AT 25°C	226°C	2.8

APPEARANCE AND ODOR	EVAPORATION RATE
WHITE SOLID WITH CHLORINE ODOR	(BUTYL ACETATE=1) – NOT ESTABLISHED

SECTION IV – FIRE AND EXPLOSION HAZARDS

FLASH POINT (METHOD USED)	FLAMMABLE LIMITS
NONE	NONE

EXTINGUISHING MEDIA
MASSIVE AMOUNTS OF WATER.

SPECIAL FIRE FIGHTING PROCEDURES – FIREFIGHTERS SHOULD WEAR FULL PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS. THOROUGHLY DECONTAMINATE EQUIPMENT, INCLUDING ALL CLOTHING AFTER THE INCIDENT.

UNUSUAL FIRE AND EXPLOSION HAZARDS 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.

SECTION V – HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE – NOT ESTABLISHED
TOXICITY – ORAL LD50 (RAT) (MG/KG): 1.060 (MALE) AND 1.010 (FEMALE)

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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