PRODUCT NAME: ECOTREAT (ECT)

EMERGENCY PHONE: 1-800-424-9300						VII - PRECAUTIONS FOR SAFE HANDLING AND USE		
May be used to comply with OSHA'S Hazard Communications Standard (HSC) 29 CRF 1910, 1200. HMIS SYMBOLS Standard must be consulted for specific requirements. This product contains HEALTH 1 no substances subject to SARA TITLE III and 40 CRF. FLAMMABILITY 0 REACTIVITY 1					STEPS TO BE TAKEN IN CASE CONTAINER IS PUNCTURED AND MATERIAL IS RELEASED: SMALL SPILLS: Involving less than 10 gallons, amy be flushed to a designated adn permitted sewer with copious amounts of water. LARGE SPILLS: Contain and neutralize with sodium bisulfite or sodium thiosulfate (1.2 lbs neutralizer per each estimated lb. of spilled material) or disposed of as chemical waste in the manner indicated below. the vicinity of the spill should be thoroughly flushed with water after clean-up. At no time should the spilled material be allowed to dry to a crystalline salt. Do not discharge this product to storm drains or toa nay surface or ground water source unless specifically allowed under a valid NPDES permit.			
	1 - IDENTIF	ICATION			-			
PRODUCT NAME: ECOTREAT (ECT) PACKAGE TYPE: quart, gallon, pail, drum							10 gallons may be flushed to an authorized and permitted sewer with copious amounts	
PREPARED DEPARTMENT OF HAZARDOUS COMMUNICATIONS DATE PREPARED: June 2012					of water. Larger volumes should be taken to an authorized chemical disposal site (Class I or landfill) in accordance with all federal, state, and local regulations. Consult with selected facility regarding the need for prior neutralization of wastes.			
II - HAZARDOUS INGREDIENTS					VIII - SPECIAL PROTECTION INFORMATION			
PRINCIPLE HAZARDOUS COMPONENT(S) (CHEMICAL NAMES)	CAS NO	ACGIH TLV	OSHA PEL	% or RANGE	RESPIRATORY: For fogging or spraying applications may require worker respiratory protection, such as NIOSH/MSHA approved air purifying respirators or NIOSH/MSHA approved canister/cartridge facial respirators rated for chlorine/acid vapors or specified for chlorine dioxide			
Sodium Chlorite	7758-19-2	NE	NE	0.17				
Chlorine Dioxide	10049-04-4	0.1 ppm	0.1 ppm	Trace				
	III - PHYSIC	AL DATA			EYE: Safety goggles or face shield is recommended			
BOILING POINT (⁰ F) : 213 ⁰ F SPECIFIC GRAVITY (H ₂ 0= 1) : 1.01 g/ml					1			
VAPOR PRESSURE (mm Hg) : 23.7 MM Hg (25°C)	BPOINT: N/A			SKIN: Wear imperious/	rubber gloves	PROTECTIVE GLOVES: Recommended - Rubber, neoprene or other		
VAPOR DENSITY (Air = 1) : 0.02 kg/m ³	EVAPORA	ATION RATE $(H_2 0 = 1)$:	Comparable to w	ater	1		chemically impervious gloves	
pH : 8.0						l be stored and applied in close prox	cimity to a safety shower, chemical eye wash station, or other fresh water source.	
SOLUBILITY IN WATER : Complete								
IV - FIRE AND EXPLOSION HAZARD DATA					VENTILATION REQUIREMENTS: Open air or good ventilation is normally adequate for safe use of this product. Avoid breathing any vapors			
FLAMMABILITY as per CPSC FLAME EXTENTION TEST: None to solution boiling point					or fumes resulting from a	cid activation.		
					IX - SPECIAL PRECAUTIONS			
SPECIAL FIRE FIGHTING PROCEDURES: Do atmosphere. Open or vent large containers of ECOTRI	EAT.					E TAKEN IN HANDLING AND	STORING: Store at ambient temperature, keep from freezing.	
UNUSUAL FIRE AND EXPLOSION HAZARDS: The sodium chlorite in dried ECOTREAT solution is a strong oxidizer, which supports combustion. Chlorine dioxide, which may evolve from ECOTREAT solutions, is explosive in the gaseous phase at concentrations greater than 10% by volume. Do not allow chlorine the solution of the solu					2 SPECIAL PRECAUTIONARY STATEMENTS: Keep this and all chemicals out of reach of children.			
dioxide gas to accumulate within a confined space.								
V - REACTIVITY DATA					NOTICE: We believe that the information contained on this material safety data sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily nor fully adequate in every circumstance. Also, the suggestions should not be confused with nor followed in violation of applicable laws, regulations, rules or insurance requirements. No warranty, expressed or implied, or			
CHEMICAL UNSTABLE CONDITIONS TO AVOID: Avoid strong product under conditions in which it could STABILITY STABLE X evaporate to crystalline salt.								
					merchantability fitness or			
INCOMPATIBILITY (Materials to avoid): Avoid accidental contact with acids, chlorine compounds, hypochlorites (bleach), sulfur and sulfite compounds, phosphorus, organic solvents, and combustible/flammable materials.					X - REGULATORY INFORMATION AND REFERENCES			
HAZARDOUS DECOMPOSITION PRODUCTS: Exposure to acids or chlorine compounds can produce uncontrolled generation of chlorine dioxide gas.					SARA Title III Reporting Requirements			
					302	(Extremely Hazardous Substances		
HAZARDOUS MAY OCCUR POLYMERIZATION WILL NOT OCCUR	CONDITI	ONS TO AVOID:			304/CERCLA	(Spills Notification): Not require	d.	
VI - HEALTH HAZARD AREA					311	Community Right-To-Know, RTK	.): Reporting not required.	
ROUTE(S) OF ENTRY: EYES Yes SKIN Yes INHALATION Yes								
EFFECTS OF OVER EXPOSURE:					312	(RTK Inventory Data): Reporting	g required for chlorine dioxide.	
INHALATION: Acute inhalation: LC (50) . 5.61 mg/l. Prolonged inhalation of fog or mist containing ECOTREAT may be irritating to nose and throat.								
SKIN CONTACT/ABSORPTION: Ecotreat is listed as "practically not an irritant". Prolonged exposure may produce localized irritation, contact dermatitis, mild erythema, and edema. Highly unlikely to be absorbed through skin in toxic amounts.					313 DOT	(Emissions and Releases): Repor NOT HAZARDOUS	ting not required.	
INGESTION: Ingestion may produce gastric discom	fort, nausea, vomiting, and d	iarrhea. Intake of large qua	antities may produ	ce methe-moglobinemia.	_			
EYES: ECOTREAT has been given an EPA Category III rating as a mild irritant. Exposure can produce slight irritation of conjunctive, cornea, and eyelid.					<u>References</u> TOXIC SUBSTANCE CONTROL CT LIST (TSCA) - INGREDIENTS LISTED			
					PERMISSIBLE EXPOSURE REFERENCES:			
CARCINOGENICITY: NTP? Not listed IARC MONOGRAPHS? Not listed OSHA REGULATED? II for exposure limits					Registry of Toxic Effects of Chemical Substances.			
EMERGENCY AND FIRST AID PROCEDURES:					Title 29 Code of Federal Regulations.			
EYES AND SKIN: EYES - Flush thoroughly with water, making certain eyelids are held open. If irritation or burning persists, seek medical attention. SKIN								
Wash affected area thoroughly with soap and water. Remove contaminated clothing and rinse thoroughly with water before laundering or discard. If irritation occurs, seek medical attention.					International Agency for Research on Cancer (IARC) Monographs.			
					Title 40 Code of Federal Regulations			
INHALATION: Inactivated ECOTREAT normally has no respiratory effects. If exposure to chlorine dioxide produced from activation occurs, remove victim to fresh air. Contact physician if respiratory distress continues								
INGESTION: DO NOT INDUCE VOMITING. Contact a physician or Poison Control Center IMMEDIATELY.					DOT Title 49 Code of Federal Regulations 172.101 SARA Title III			
					SAKA 1itle III Nuclear Regulatory Commission			