KLEENCO PRODUCTS, INC. • P.O. BOX 1786 • Bellevue, WA. 98009		TELEPHONE NUMBER Reg. Phone 206-641-8888 For Emergency Assitance Call Infotrac (800) 535-5053			HAZARD RATING 4 = EXTREME 3 = HIGH 2 = MODERATE 1 = SLIGHT 0 = INSIGNIFICANT * = SEE SECTION IV			FIRE 0 REACTIVITY 3 2 SPECIAL	
MATERIAL SAFETY DATA SHEET									
PRODUCT NAME				E ISSUE			CO	DE	DOT HAZARD
MAX			PRE	PARED	BY	0	_	000 0174	Corrosive, Oxidizer
FORMULA CHEMICAL NAMES AND OR SYNONYMS							UN-3084		
Proprietary Proprietary I-COMPOSITIONAL INFORMATION/SARA III INFORMATION									
INGREDIENTS	NUMBER OCCUPATION EXPOUSURE LIMITS VAPOR PRESSURE WEIG						WEIGHT		
INGREDIENTS)-73-2	A PEL ACGIH TLV OTHER n3 2mg/m3 None				Hg @ TEMP tApplicable	PERCENT <5.0	
Reportable Quantity 1000 Pounds		30-86-0	n3 3 mg/m3 1.5 mg/m3 Monsanto				Not Applicable		
No toxic chemical(s) subject to the reporting requirements of section 313 of Tittle III and 40 CFR 342. NOTE: The precise composition of this mixture is proprietary. A more complete description									
will be provided to a physician in the event of a medical emergency.									
APPEARANCE and ODOR									
Free flowing, dry white powder MELTING POINT	BOILING POIN		COATING V.O.C.				EVAPORATION RATE		
NotApplicable		Applicable	(NotApplicable			Slower than ether		
SOLUBILITY IN WATER Complete	SPECIFIC GRA 1.29	1) \	VAPOR DENSITY NotApplicable						
III-FIRE AND EXPLOSION HAZARD INFORMATION									
FLASH POINT	N TEMPERATURE LOWER EXPLOSION LIMIT (%)				LIMIT (%)	UPPER EXPLOSION LIMIT (%)			
Not Applicable Not A		Available			NotApplicable			NotApplicable	
EXTINGUISHING MEDIA									
SPECIAL FIRE FIGHTING PROCEDURES For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion or oxygen deficiency. Read the entire MSDS.									
UNUSUAL FIRE AND EXPLOSION HAZARDS Highly caustic. Avoid physical contact with material.									
IV-HEALTH HAZARD INFORMATION									
THRESHOLD LIMIT VALUE ROUTE NotEstablished OF EN		HALATION See Health Hazard	<u>،</u>	X SKI		ards	Х	INGESTION See Health Ha	azards
Not Established OF ENTRY: See Health Hazards See Health Hazards See Health Hazards HEALTH HAZARDS (Acute and Chronic) CHRONIC EFFECTS OF EXPOSURE: No known chronic effects. ACUTE EFFECTS OF EXPOSURE: Corrosive to all body tissues with which it comes in contact. The effect of local dermal exposure may consist of multiple areas of superficial destruction of the skin or of primary irritant dermatitis. Similarly, inhalation of dust, spray or mist may result in varying degrees of irritation or damage to the respiratory tract tissues and an increased susceptibility to respiratory illness. These effects only occur when the TLV is exceeded. HUMAN DERMAL EXPOSURE: Regardless of concentration, the severity of damage and extent of its irreversibility increases with length of contact time. Prolonged contact with even dilute sodium hydroxide solution can cause a high degree of tissue destruction. The latent period, following skin contact during which no sensation of irritation occurs, varies from several hours for 0.4 - 4% solutions to 3									
CARCINOGENICITY:	NTP IARC Monographs OSHA Regulated								
Not considered to be a carcinogen									
INHALATION: Airborne concentrations of dust, mist or spray of this product may cause damage to the upper respiratory tract and the lung tissue which could produce chemical pneumonia depending upon severity of exposure. SKIN: This product is destructive to tissues contacted and produces severe burns. A latent period may exist between exposure and sense of irritation. EYE CONTACT: This product is destructive to eye tissues on contact. Will cause severe burns that result in damage of the mouth, throat, esophagus and stomach. INGESTION: This product, if swallowed, can cause severe burns and complete tissue perforation of mucous membranes of the mouth, throat, esophagus and stomach. MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE Skin irritation may be aggravated in persons with existing skin lesions. Breathing of dust may content on the results on early and the period to and the period to period the period to and the period to appreciate the period to and the period to appreciate to and the period to and the period.									
aggravate acute or chronic asthma and other chronic pulmonary disease. EMERGENCY AND FIRST AID PROCEDURES EYES: If this chemical contacts the eyes, immediately wash the eyes with large amounts of water and continue flushing for 15									
minutes, occasionally lifting the lower and upper lenses should not be worn when working with the chemical penetrates the clothing, immediately re- cannot be decontaminated. If irritation persists a air at once. If breathing has stopped, perform me GIVE ANYTHING BY MOUTH TO AN UNCON: If vomiting occurs spontaneously, keep airway of	er lids. Get medical a his chemical. SKIN: emove the clothing a after washing, get me puth-to-mouth resus SCIOUS PERSON.	Ittention immediate If this chemical cound flush the skin wi edical attention. INI scitation. Keep the a If swallowed, DO N	ely. Flushing ntacts the sk th water pror HALATION: affected pers IOT INDUCE	eyes withir in, immedi nptly. Wasł f a person on warm ar VOMITIN	n several seco ately wash th h contaminate breathes largend nd at rest. Get	onds is essential e contaminated : ed clothing and fo e amounts of this medical attentio	to achie skin wit otwear chemie n as soo	eve maximum eff h water for at leas before reuse. Dis cal, move the exp on as possible. IN	ectiveness. Contact st 15 minutes. If this card footwear which osed person to fresh IGESTION: NEVER

V-REACTIVITY INFORMATION								
X STABLE UNSTABLE CONDITIONS TO AVOID Under normal conditions of use, this material is stable. Excessive heat and contamination of any kind.								
HAZARDOUS DECOMPOSITION PRODUCTS At temperatures above 400°F. toxic gases are liberated containing nitrogen tri-chloride, chlorine, carbon monoxide, cyanogen chloride, and phosgene.								
HAZARDOUS MAY WILL NOT CONDITIONS TO AVOID Avoid contact with water. See Section VIII.								
INCOMPATIBILITY (Materials to avoid) Avoid contact with aluminum, tin, zinc and alloys containing these metals. Do not mix with strong acids without dilution and agitation to prevent violent or explosive reaction. Avoid contact with leather, wool, acids, organic halogen compounds and organic nitro compounds.								
VI - SPILL OR LEAK PROCEDURE INFORMATION								
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Stop the source of leak or release. Clean up releases as soon as possible, observing precautions in Special Protective Information. Liquid spills should be removed using a vacuum truck. Solid spills should be scooped up and placed in approved containers for disposal. Spills or releases should be reported as required, to the appropriate local, state and federal regulatory agencies.								
WASTE DISPOSAL METHODS Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. The materials resulting from clean-up operations may be hazardous waste and, therefore, subject to specific regulations. Contact local environmental authorities for approved disposal of this material.								
VII - SPECIAL PROTECTION INFORMATION								
VENTILATION TYPE Local mechanical exhaust ventilation, capable of maintaining emissions at the point of use below the PEL.								
RESPIRATORY PROTECTION If conditions generate dusts, wear a NIOSH-approved respirator appropriate for those emission levels. Appropriate respirators may be a full facepiece or a half mask air-purifying cartridge respirator with particulate filters, a self-contained breathing apparatus in the pressure demand mode, or a supplied-air respirator.								
PROTECTIVE GLOVES Impervious EYE PROTECTION Wear chemical safety goggles plus full face shield to protect against splashing.								
OTHER PROTECTIVE EQUIPMENT Wear appropriate equipment to prevent any possibility of skin contact.								
VIII - STORAGE AND HANDLING INFORMATION								
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE Do not get into eyes, on skin, on clothing. Avoid breathing dust, mists or spray. Do not take internally. Use with adequate ventilation and employ respiratory protection when exposure to dust, mist or spray is possible. When handling, wear chemical splash goggles, face shield, rubber gloves and protective clothing. Wash thoroughly after handling or contact - exposure can cause burns which are not immediately painful or visible. Keep container closed. Product can react violently with water, acids and other substances. Hazardous carbon monoxide gas can form upon contact with food and beverage products in enclosed spaces and can cause death. SPECIAL MIXING AND HANDLING INSTRUCTIONS: Product can react violently with water. Considerable heat is generated when product is mixed with water. Therefore, when making solutions always carefully follow these steps: ALWAYS wear All protective clothing describe above. NEVER add water to product. ALWAYS add product - with constant stirring - slowly to surface of lukewarm (80-100°F) water, to assure product is being completely dissolved as it is added. ALWAYS empty and clean containers of all residues before adding product, to avoid possible EXPLOSIVE reaction between product and unknown residue. All residual product should be removed from containers prior to disposal.								
OTHER PRECAUTIONS Read and follow label instructions. The label contains information necessary for the proper use of the product. Containers, even those that have been emptied, will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if they were full. Retie polyethylene liner after each use and keep container tightly closed.								
IX - TOXICITY INFORMATION								
*HEALTH HAZARDS for Sodium Dichloro-s-Triazinetrione Dihydrate: INHALATION: Dusts are corrosive to the entire respiratory tract, breathing dust can destroy the mucous membranes and can cause pneumonitis. EYE CONTACT: Dusts will irritate the eyes and prolonged contact may damage the eyes. SKIN CONTACT: Dusts are corrosive to skin and may cause chemical burns. Prolonged or repeated exposure may cause skin sensitization. SWALLOWED: Swallowing dusts or solids causes severe irritation and/or burns to the mouth, throat, mucous membranes and gastrointestinal tract. Large doses may cause kiney or liver damage and death. CHRONIC EFFECTS OF EXPOSURE: Prolonged or repeated overexposure may result in delayed liver and/or burns to kin sensitization may also occur with prolonged or repeated exposure. MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Reported.								
X-MISCELLANEOUS INFORMATION								
Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and the removal of the material from eyes, skin and clothing.								
PRODUCT CODE NA = NOT AVAILABLE DATE OF ISSUE SUPERSEDES SIGNED 023-0174 04-28-93 Any previous MSDS SUPERSEDES								
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PAGE 2 - 023-0174								