

KLEENCO PRODUCTS, INC.
• P.O. BOX 1786 • Bellevue, WA. 98009

TELEPHONE NUMBER Reg. Phone 206-641-8888

For Emergency Assitance | 1 = SLIGHT | 0 = INSIGNIFICANT | * = SEE SECTION IV

HAZARD RATING	FIRE
4 = EXTREME 3 = HIGH	1 REACTIVITY
2 = MODERATE	2 \ 0 \
1 = SLIGHT 0 = INSIGNIFICANT	СІТУ
U = INSIGNIFICANI *	SPECIAL

MATERIAL SAFETY DATA SHEET

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PRODUCT NAME				DAT	TE ISSU	ED 04-2	21-93	CODE	DOT HAZARD		
RUSTNOX				PRI	PREPARED BY Dale R. Silbaugh			014-0315	Not Regulated		
FORMULA Proprietary	CHEMICAL NAMES AND OR SYNONYMS Powdered Cleaning Compound										
I-CON	I-COMPOSITIONAL INFORMATION/SARA III INFORMATION										
INGREDIENTS		CAS NUM			JPATION A PEL	EXPOUSUR ACGIH TLV	RE LIMITS OTHER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT		
Oxalique Acid		144-62-7		1MG/M3 1MG/		1MG/M3	2MG/M3	Hazard Toxic-Corrosive			
					STEL		SIEL	!			
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 will be provided to a physician in the event of a medical emergency.							complete description				
II-PHYSICAL PROPERTY INFORMATION											
APPEARANCE and ODOR Freeflowing, drywhite/yellow powder											
MELTING POINT	BOILING POINT				COATIN	G V.O.C.		EVAPORATION RATE			
			Applicable			Not Applicab		Slower than ether			
SOLUBILITY IN WATER Complete	SPECIF	SPECIFIC GRAVITY (Water = 1) 1.2				DENSITY Not Applicab					
III-FIRE AND EXPLOSION HAZARD INFORMATION											
FLASH POINT	AUTO IGNITION TEMPERATUR			JRE I	E LOWER EXPLOSION LIMIT (%)			UPPER EXPLOSION LIMIT (%)			
Not Applicable	Not Available				Not Applicable			Not Applicable			
EXTINGUISHING MEDIA X FOAM X CO2 X DRY CHEMICAL X WATER SPRAY X OTHER Do not use a direct water stream.											
SPECIAL FIRE FIGHTING PROCEDUR self-contained breathing apparatus to protect ag		fires involving this azardous effects o	material, do of normal pr	not enter a oducts of c	ny enclose ombustion	d or confined or oxygen de	fire space without peficiency. Read the	proper protective equipm entire MSDS.	ent. This may include		
UNUSUAL FIRE AND EXPLOSION HAZARDS molten oxalic acid may cause frothing. Extinguish all nearby sources of ignition since vapors decompose to hazardous products at high temperatures. Foam or water on molten oxalic acid may cause frothing.											
		IV-HEAL1	ГННА	ZARD	INFO	RMATI	ON				
THRESHOLD LIMIT VALUE ROUTE Not Established OF EN		X INHALAT See Hea	TON alth Hazards		χSK	IN See Health Ha	azards	X INGESTION See Health H	azards		
HEALTH HAZARDS (Acute and Chronic) CHRONIC EFFECTS OF EXPOSURE: Prolonged or repeated overexposure may result in delayed liver and/or kidney damage.											
CARCINOGENICITY: Not considered to be a carcinogen	NTP		IAR	C Monog	raphs	X	OSHA Regulate	d			
SIGNS AND SYMPTOMS OF EXPOSURE INHALATION: Inhalation of dusts or vapors cause irritation of eyes and upper respiratory tract, ulceration of the mucous membranes of the nose an throat, epistaxis, headache, and nervousness. Prolonged and severe exposure can cause chronic cough, albuminuria, vomiting, pain in the back, and gradual emaciation and weakness. EYE CONTACT: Dusts may severely irritate or damage the eyes. SKIN CONTACT: Brief contact may burn the skin. Prolonged or repeated contact may cause dermatitis. SWALLOWING: Ingestion of a few grams may be fatal. Acute oxalic poisoning results from ingestion of a solution of the acid, causing severe corrosion of the mouth, throat, and digestive tract with vomiting, abdominal pain, collapse, and possibly convulsions. Death may follow quickly.											
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE None reported.											
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 lids. Get medical attention immediately. Contact lenses should not be worn when working with this chemical. SKIN: If this chemical contacts the skin, immediately wash the skin with strong solution of epsom salts. Remove contaminated clothing and shoes; wash before reuse. Get medical attention if irritation persists after washing. INHALATION: Remove to fresh air. If breathing has stopped, perform mouth-to-mouth resuscitation. Keep the affected person warm and at rest. Get immediate medical attention. INGESTION: Do not induce vomiting. If conscious, five lots of water or milk, or dilute solution of any soluble calcium or magnesium salt. Get immediate medical attention. Do not give anything by mouth to an unconscious or convulsing											

V-REACTIVITY INFORMATION								
X STABLE UNSTABLE CONDITIONS TO AVOID Heat, sparks, openflames, and temperature above 212°F.								
HAZARDOUS DECOMPOSITION PRODUCTS May liberate carbon monoxide and carbon dioxide, and toxic formic acid.								
HAZARDOUS POLYMERZATION MAY OCCUR X OCCUR Notapplicable.								
INCOMPATIBILITY (Materials to avoid) Alkalies, silver compounds, strong oxidizers, oleum.								
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. Contain liquid to prevent further contamination of soil, surface water or groundwater. Clean up small spills using appropriate techniques such as sorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.								
WASTE DISPOSAL METHODS Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable 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 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 eye protection to prevent any possibility of eye contact.								
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 Keep out of reach of children. Store in a cool dry place away from incompatible materials. Keep container tightly closed when not in use. Workers should wash immediately when skin becomes contaminated and at the end of each work shift. The following equipment should be available: Eyewash. Quick drench. It is generally recognized that contact lenses should not be worn when working with chemicals because contact lenses may contribute to the severity of the injury.								
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.								
IX-TOXICITY INFORMATION								
Oxalic Acid is a corrosive material. Oral toxicity:								
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 014-0315								
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