

Columbus Chemical Industries, Inc./ Route 2, Box 187-B/ Columbus, Wisconsin 53925/414-623-2140

## MATERIAL SAFETY DATA SHEET

ENTEREDOCT 1 0	1986	SECTION I	:	CAS #144-62-7
CHEMICAL NAME AND SYNONYMS  Oxalic Acid	-16-50-		TRADE NAME AND SYNONYMS Ethanedioic Acid	
CHEMICAL FAMILY Carboxylic Acid		FORMULA	HO2CCO2H·2H2O	

PAINTS, PRESERVATIVES, & SOLVENTS		TLV (Units)	ALLOYS AND METALLIC COATINGS		TLV (Units)
PIGMENTS		_	BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES					TLV (Units)
This section does not	app	oly to	oxalic acid single substance.		
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	SECTION III—I	PHYSICAL DATA	·····	
BOILING POINT (°F.)	N/A	SPECIFIC GRAVITY (H₂O ≈ 1)	1.9	
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT, VOLATILE BY VOLUME (%)	N/A	
VAPOR DENSITY (AIR = 1)	N/A	EVAPORATION RATE ( = 1)	N/A	
SOLUBILITY IN WATER @ 20°C	8.34%	Melting Point	189.5°	
APPEARANCE AND ODOR White crysta	ls	. ,		

SECTION IV—FIRE AND EXP	LOSION HAZARD DATA		
FLASH POINT (Method used) not flammable	FLAMMABLE LIMITS n/a	Lel	Uel
EXTINGUISHING MEDIA Water, dry chemical, "alcohol" foam, CO2.	Water spray to cool fi	re-expose	d container
SPECIAL FIRE FIGHTING PROCEDURES Wear self-contained breathing apparatus, ey			
protective clothing.			
UNUSUAL FIRE AND EXPLOSION HAZARDS Emits highly toxic fumes.			
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			SECTIO	N V—HE	ALTH HAZARD D	ATA
THRESHOLD LIMIT VA	LUE	1 mg/n	<sub>n</sub> 3	TXDS:	orl-hmn LDLo	: 71 mg/kg
EFFECTS OF OVEREX Poison, harm		=		may be	fatal. Skin:	absorption is rapid, severe
burns on con-	tact.	Ingesti	lon: se	rious c	orrosion of m	outh, 5 gm is fatal.
EMERGENCY AND FIR Inhalation:	ST AID F	rocedures to fre	sh air.	Skin:	remove cont	aminated clothing immediately,
flush with wa	ater.	Eyes:	flush w	ith wat	er for 15 min	. Ingestion: drink milk,
milk of magne	esia,	or lime	water;	do not i	nduce vomitin	g. Get medical attention in a
STABILITY	T			ON VI—R	EACTIVITY DATA	1
	UNST	ABLE	Ř	eacts e	xplosively wi	th chlorites and hypochlorites
	STABI		Х			
NCOMPATABILITY (Ma Alkalies, Si	lver				:	
HAZARDOUS DECOMP Highly toxic	OSITION fume	PRODUCTS s includi	ng CO <sub>x</sub> a	and for	mic acid	
HAZARDOUS POLYMERIZATION		MAY OCCUR			CONDITIONS TO AVO	DID
		WILL NOT OCC	CUR	Х		
			-			
STEPS TO BE TAKEN II	N CASE				OR LEAK PROCE	DURES
Take up and o					osal.	
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vaste disposal met To be perford	гнор ned_i	n complia	nce with	n all ci	urrent local,	state, and federal regulation
	·					
	<del></del>					
RESPIRATORY PROTEC	CTION (S				ROTECTION INFO	
/ENTILATION	*****	. EXHAUST	Wear du	ıst masl	k or cartridge	e respirator
ENTERTION			X			
	MECH.	ANICAL (General	) 	X		OTHER
PROTECTIVE GLOVES		eoprene o	r rubber	c	EYE PROTECTION (	Goggles or safety glasses
OTHER PROTECTIVE E Protective cl	QUIPME Lothi	NT ng includ	ing apro	on and	long sleeves.	
			CECTION	IV CDEC	NAL POPOALITIO	NC

## SECTION IX—SPECIAL PRECAUTIONS PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Store in a cool, dry, well-ventilated area from area of acute fire hazard. Keep container closed. Store separate from oxidizing materials, outside storage preferred. OTHER PRECAUTIONS Do not store near food items. Wash gloves before removing; wash hands and face thoroughly after handling. Clean work area thoroughly after use.