Material Safety Data Sheet
be used to con ply with
OSrIA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.



020843U.S. Department of Labor Occupational Safety and Health Administration

(Non-Mandatory Form)

Form Approved OMB No. 1218-0072



OSHA 174, Sept. 1985

		OMB No. 121	8-0072		WWW.VX	
IDENTITY (As Used on Label and Ust) Phenolphthalein Indicator	Solution	Noto: Blank spa information	ces are not permitten I is available, the sp	d. If any item is not ap ace must be marked (oplicable, or no to indicate that.	
Section I .	(in Ethanol)	•	,			
Manufacturer's Name		Emergency Tele	phone Number		•	
Columbus Chemical Industri		(414) 623-2140				
Address (Number, Street, City, State, and Zit	P Code)	Telephone Number for Information				
N4335 Temkin Road	(414) 623-2140					
Columbus, WI 53925		Date Prepared	1	•		
COTUMBUS, WI J3923		3/31/87 Signature of Preparer (optional)				
		Olgriziate of 1 tel	parer (opuorial)			
Section II — Hazardous Ingredien	ts/Identity information	n .	λ · · · · ·			
Hazardous Components (Specific Chemical I	dentity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)	
Phenolphthalein CAS	#77 - 09-8	none	none	none	17	
Ethyl Alcohol, 95% CAS	#64-17-5	-	mag 0001	- AMILE		
			TOOODDIN	- 196-2	99%	
	•					
				·····	····	
			· · · · · · · · · · · · · · · · · · ·			
		·			1	
Please reference the Mater	ial Safety Data S	Sheet for Eth	nýl Alcohol.	95% for spec	ific	
information. Since the Et	hyl Alcohol in +4	e maior so		La mari e	1	
Day apaginl attention to it	TO THE TOTAL OF THE STATE OF TH	te major com	ponent and E	ne most hazar	dous.	
pay special attention to i					sheet.	
which is attached. Phenoly	phthalein is rela	tively nonha	zardous.			
		,				
		-	•			
Caption III - Physical Charles I Ch						
Section III — Physical/Chemical Ch	iaracteristics (Esse	ntially the	same as for	Ethyl Alcoho	1, 95%)	
Soiling Point		Specific Gravity (H	₂ O = 1)			
apor Pressure (mm Hg.)	170.6°F				0.7920	
apor riessure (mm ng.)	0 0 50:-	Melting Point				
apor Density (AIR = 1)	0.9 psia	Evaporation Rate			N/A	
	1.6	(Butyl Acetate = 1)		j	99.	
olubility in Water		1	······································		3.3	
Complete						
ppearance and Odor		_			····	
	te liquid; mild a	and nonresid	ual odor			
ection IV — Fire and Explosion H	azard Data					
lash Point (Method Used)		Flammable Limits		LEL U	EL	
51°F closed cup (Ethyl Alco	hol)	(Ethyl	Alcohol)	3.3	19:0	
dinguishing Media				<u> </u>		
Carbon dioxide. Dry chemic	al. Alcohol-type	e foam. Wat	er spray. U	niversal-type	foam.	
vecial Fire Fighting Procedures						
dater spray will reduce the	intensity of the	e tlame. Us	e self-conta	ined breathin	ig apparatus	
Avoid using a solid stream	of water as this	will cause	frothing and	controving -	e material	
nusual Fire and Explosion Hazards	uo cu15	TALL CAUSE	LLUCHIZHE AHU	scattering 0	uateriai.	
Product may accumulate a st						
enough to cause a fire or e	xplosion if disch	narged in a	vapor-air mi	xture within	flammable	
produce locally)					11	
• •				USHA 1	74, Sept. 1985	

v					(a)	# 9244
Section V	Danatiultu D		<u> </u>			<u> </u>
Stability	- Reactivity Data Unstable Conditions to Avoid				·	
Otacipty	Stable		Heat, ignitio	n sources, fi	re.	·
		X	<u>-</u>	•		
Strong mir Hazardous De Carbon m	composition or Bypr onoxide Ca	lfuric a		oxidizing agents.	halogens, air and	l/or oxygen.
Hazardous Polymerization	May Occur		Conditions to Avoid			
,	Will Not Occur	Х	none	`		
Section VI	— Health Haza	rd Data	<u> </u>	•		
Route(s) of En		halation?	· · · · · · · · · · · · · · · · · · ·	Skin?	lno	estion?
lealth Hazard	(Acute and Chronic	<u> </u>	<u> </u>	X		X
See Ethy	1 Alcohol MS	7 DS att	ached.			
Phenolph	thalein if i	ngeste	d is a very stro	ong laxative.		
	1		:			
Carcinogenicity	. N	TP?		IARC Monographs?	o OSI	HA Regulated?
				- 11	· · · · · · · · · · · · · · · · · · ·	no
Signs and Sym	ptoms of Exposure					
See Ethy	L Alcohol MS	DS att	ached.			•
	•					
fedical Conditi	ons avated by Exposure		· · · · · · · · · · · · · · · · · · ·			
			· · · · · · · · · · · · · · · · · · ·			
Unknown (
See Ethyl	First Aid Procedure L Alcohol MS	s DS att	ached.			
<u></u>						
ection VII	- Precautions	for Safe	Handling and Use			· · · · · · · · · · · · · · · · · · ·
teps to Be Tal	en in Case Maleria	Is Releas	ed or Spilled			
Contact 1	ocal author	ities.				
				•		
aste Disposal					•	·
Keclamatı	on in accord	lance v	<u>vith all federal</u>	, state, and	ocal regulation	ons. Incineration
in accord	ance with a	1 fede	eral, state and	<u>local regulati</u>	ons.	
See Ethyl	Alcohol MSI)S atta	eral, state and ing ached.			
				•	•	- -
ther Precaution	-				·	
<u>See Ethyl</u>	Alcohol MSI	S atta	iched.	·		
			•			·
ection VIII	- Control Mea	sures				
	ction (Specify Type)				•	
ntilation	·	NIOSH	approved respira	tor in areas	of high concen	tration.
ntilation	Local Exhaust needed whe	re var	ors or mists are	Special		
Ì	Mechanical (General	9/)		Other		
otective Gloves		-	isfactory.	Eye Protection		
	in	pervio	us gloves		afety goggles.	face shield.
ner Protective : Eye bath	Clothing or Equipme	nt hower	Wear protectiv			
	~~~~			e crothing to	prevent repea	ted contact.
lash thor	ough <mark>ly afre</mark> r	hand1	ing.			