Material Safety Data Sheet

Name	's HILLYARD CHEMICAL COMPANY	,	Product Name	KNO-SAN	D.		4	
Address	302 North Fourth Street St. Joseph, MO 64502		Date Prepared	October	19, 1986	,		
Emergency Te	elephone No. ormation Calls (816) 233-1321		Dearned by	D1				-
STREET, SQUARE,	II — HAZARDOUS INGREDIEN	NTS/IDENTIT		Regulatory A MATION	mairs Depart	ment	4.53	
Hazardous Co	mponents (Specific Chemical Identity: Co	ommon Name(s))	CAS #'s	OSHA PEL	ACGIH TLV	Other Li		10-tio
	e chloride		75-09-2	500 ppm	100 ррп			77-81
Butyl ce	llosolve		111-76-2	50 ppm	25 ppm			3.5-1
Methyl a			57-76-2	200 ppm	200 ррп			5-10
Monoetha	nolamine		141-43-5	3 ppm	3 ррп		-).5-2
Petroleu	m distillate (naphtha sol		64742-95-	not	noted			2-4
			77712 00	o moteu	113000	35	ppm	2-4
production 1999								
		VI-th control some	ent 9 2 5. 6	No. John Co.	97			
SECTION	III - PHYSICAL/CHEMICAL C	HARACTERI	STICS		1000		18 M	_
	III — PHYSICAL/CHEMICAL C		THE RESERVE OF THE PERSON NAMED IN	ravity (H ₂ O = 1)			
Boiling Point	e (mm Hg.)	103-105°F	Specific G	platile)	•	1.164	
Boiling Point	e (mm Hg.)	103-105°F N/A	Specific G	olatile 9 (%) on Rate			92.5	
Boiling Point Papor Pressure Papor Density	(AIR = 1)	103-105°F N/A >1	Specific G Percent Vo By Volume Evaporatio	olatile e (%) on Rate eth	ıyl eth e r		92.5 >1	
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apor Pressure apor Pressure apor Density olubility in W SECTION I lash Point (M 101 F xtinguishing NFPA Clast pecial Fire Fig. Self-cont is burning nusual Fire a Vapor can to acidic secompatibility Materials to A	(AIR = 1) (AIR = 1)	N/A >1 moderate AZARD DATA dry chemicate should be gy ignition toxic substements of the control of the contro	Specific G Percent Vo By Volume Evaporatio (Appearancy vellow. A Flammable I or foa used by source. ances. may product with g assium a system	polatile (9 (%)) on Rate ethors (1) ce and Odor thick limits am) of firemen Decompositive small (ross amou	in build	ings who	92.5 >1 chlori uel no da ere pro hot su	de o
depor Pressure (apor Pressure (apor Density (apor Car (ap	(AIR = 1) (AIR = 1)	N/A >1 moderate AZARD DATA dry chemical t should be gy ignition toxic subst e chloride n hydrolize sodium, pot zable fluid for more de	Percent Volume Evaporatio (Appearancy vellow. A Flammable I or foat used by source. ances may prod d with g assium a system tails.	polatile (%) on Rate ether ether ethick limits am) The Limits Decompose luce small gross amount magnes may cause	in build es with amounts nts of with ium. Conviolent	ings who	92.5 > 1 chlori uel no da ere pro hot su rochlor tamina ch alum ons. Co	de o
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30. Kno-Sand	98				
CTION VI - HEALTH	HAZARD DATA			1100 5 101	
Acute(s) of Entry:	Inhalation?	Skin?		Ingestion?	
Health Hazards (1. Acute and 2. for smokers and indiniusea, headaches; V 2. Prolonged gross esciousness and death	xcess or beyond 9000	possible, but wide formation lisease. Inhala love 2000 ppm. ppm on methyl	tion900 pp	; exposure r m may cause	isk greater dizzīness,
Chemical Listed as Carcinogen or Detential Carcinogen	National Toxicology Yes D Program No D * animal tests		res ci No ax	OSHA Yes C	
Signs and Symptoms of Exposure contain laboratory a posure. Excess skin contact causes dehyd Medical Conditions. Generally Aggravated by Exposure	Contains methyler nimal tests. Risk to contact has a tender ration.	health depend cy to dehydrat	ls upon level e causing de	and duratio	n of ex- skin. Eye
Methylene chloride -				nronic lung	disease,
anemia, coronary dis		ders of heart.			
Ingestion: immediate	ly give one or two			And the second of the second of the	as the same and a same transfer
gency room or poison	control center for	way to induce	vomiting. Ey	e contact: i	nmediately
flush thoroughly wit clothing before reus respiration. Call ph	h water and call phy e). Inhalation: remo	v sici an. Skin c ove to fresh ai	contact: wash r; if breath	thoroughly ing stops us	(wash e artificial
SECTION VII - PRECAU	TIONS FOR SAFE HAN	DLING AND USE		4.	
Provide adequate ven	tilation. Use approv				
ppm below exposure g	rge spills: provide	proper respira	tory protect	ion if neces	
Waste Disposal Method					untities in
Send to licensed rec	[2] 다른 10 (1) 전환 10 (2) 1 (1) 10 (1) 10 (1) 10 (1) 10 (1) 10 (1) 10 (1) 10 (1) 10 (1) 10 (1) 10 (1) 10 (1) 10 (1)			The state of the s	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.
Compliance with loca Conservation and Recof water is strongly	overy Act. Dumping	nto sewers, or	the ground,	or with any	other body
Precautions To Be Taken in Handle Avoid breathing vapo heavier than air and skin and eyes. Other Precautions	ling And Storing		ited vapors o	f this producer; avoid co	nct are with
Consult federal, sta	te or local disposa	l authorities	for approved	disposal pro	cedures.
Methylene chloride =					
SECTION VIII - CONTRO	THE RESERVE THE PERSON NAMED IN COLUMN 2 IS NOT THE PERSON NAMED I				
Respiratory Protection (Specify Ty unless air monitorin	pe)*Wear appropriate ng demonstrates vapo				MSHA approved)
Ventilation Loca Exha		1100000	Special N/A	Other N/A	tions.
Protective Gloves	2 CCOmmente Co	Eve Protection	Value of the second		
Other Protective Clothing Or Equi clothes where freque	pment Protective closent skin contact is	chemical s	splash goggle uniforms or c	coveralls. Us	glasses se impervious
Work/Hygienic Practices Do not eat, drink or					
restroom. NOTICE: NO REPRESENT FITNESS FOR A PARTIC INFORMATION CONCERN defining precisely, in measur exposures cannot realisticall Sheet are supplied pursuant Rule. The information and re date hereof. Hillyard Chemic information is supplied upo determination as to its suitab any damages of any nature information as supplied here subject matter of this Materia the use or disposal of this cont the use or disposal of this cont table. Approved self- piece is required for	CULAR PURPOSE, OR C VING THE PRODUCT REF rable terms, every possible by be accomplished. The info to 29 C.F.R. 1910.1200 of the ecommendations set forth hall Company, however, make in the express condition the pility for their purposes prior whatsoever resulting from ein is simply to be informatical al Safety Data Sheet. The ul mpound, or compliance with	DF ANY OTHER ERRED TO IN THIS health effect that m rmation and recomm ne Occupational Saferein are presentation at the persons rece to use. In no event w n the use of, relian- ve and intended solutimate compliance in respect to product	NATURE, ARE MATERIAL SAI ay occur in the winendations contained at the said of the complete in good faith and as as to the complete in good faith and it is as to the complete in good faith and it is as to the complete in good faith and it is as to the complete in good faith and it is as to the complete in good faith and it is as to the complete in good faith and it is as to the in good faith and it is as to the complete in good faith and it is as to the complete in good faith and it is as to the complete in good faith and it is as to the complete in good faith and it is as to the complete in good faith and it is as to the complete in good faith and it is as to the complete in good faith and it is as to the complete in good faith and it is as to the complete in good faith and it is as to the complete in good faith and it is as to the complete in good faith and it is as as to the complete in good faith and it is as as to the complete in good faith and it is as as to the complete in good faith and it is as as to the complete in good faith and it is as as to the complete in good faith and it is as as to the complete in good faith and it is as to the complete in good faith	MADE WITH FETY DATA SHI FORKPLACE AS A re- Index in this Mate Andards Hazard Co Beteness or accur- be required to re- Inical Company be In	RESPECT TO EET. The goal of sult of chemical rial Safety Data Communication correct as of the acy thereof, and make their own responsible for aformation. The loce which is the ons concerning