HAZARD RATING 4-EXTREME 3-HIGH 2-MODERATE 1-SLIGHT



## MATERIAL SAFETY DATA SHEET

(Prepared according to 29 CFR 1910. 1200)

Date Prepared: 3-11-05

ECTION 1 - PRODUCT IDENTIFICATION		van Talanhana Na	011 777 0100
ompany Name Cardinal Chemical Systems, Inc.		ency Telephone No.	314-757-6182
Address P.O. Box 45007, St. Louis, MO 63145-5007		tion Telephone No.	314-757-6182
Product Name / ID# Liquid Sour (300304)	Product Type Acid	Sour Neutralizer	X Proprietory Product
SECTION 2 - HAZARDOUS INGREDIENTS	- N	Dt (ti1)	TI V (Course)
Chemical Name/Common Name	Cas No.	Percent (optional)	TLV (Source)
*Phosphoric Acid	7664-38-2	< 25%	1mg/m3
			0.05B.B. 1.070
	e reporting requireme	ints of SARA 313 and 4	10 CFR Part 372.
SECTION 3 - PHYSICAL DATA	4.444	25 011 140 1	00/
Boiling Point (°F) >212°F Specific Gravity (H <sub>2</sub> O=1.0)			% VOC (ww) 0%
Solubility In Water X Complete		sifiable or (Dispersible)	
	About the Same Vapor	r Pressure NA	Vapor Density NA
Appearance and Odor Clear, yellow colored liquid. Nil odor.			
SECTION 4 - FIRE AND EXPLOSION HAZARD DATA			
Flash Point (T.C.C.) None to boiling Flammable Limits Upper NA Lower NA			
Extinguishing Media NA			
Special Fire Fighting Procedures NA			
Unusual Fire Explosion Hazards NA			
CTION 5 - REACTIVE DATA			
Stable Incompatibility Bases; Common metals (i.e. mild steel, copper, brass, bronze)			
Hazardous Decomposition Products Phosphoric oxide fumes und	der fire condition. Contact	t with common metals pro-	duces Hydrogen Gas
SECTION 6 - HEALTH HAZARDS	Applicable Primary rou	tos of D	
Occ Occion 2 for ingredients (EV	Applicable Exposu	re MEyes Makil	
Signs Symptoms of Over-exposure (Acute)  May cause irritation or			nt of exposure.
Severe internal irritation and damage can result if ingested. Mist in	nhalation may irritate r	respiratory system.	
Signs Symptoms of Over-exposure (Chronic) Unknown			
Medical Conditions Aggravated by Over-exposure Unknown			
Carcinogen/Suspected Carcinogen Ingredients: Unknown NTP IARC OSHA X None			
SECTION 7 - FIRST AID PROCEDURES - (If any Con-			
Eyes Flush with water for 15 minutes. If relief is not readily appa			
Skin Remove contaminated clothing and wash before re use. Wash with water for 10-15 minutes.			
Ingestion Do NOT induce vomiting. Drink plenty of water. Call a			
Inhalation Remove to fresh air. If qualified give oxygen or artificia		ed and/or seek medical	help.
SECTION 8 - SPECIAL PROTECTION INFORMATIO			
Respiratory Protection None normally required. If airborne liquid is generated and ventilation is poor use NIOSH approved respirator.			
Ventilation requirements X Local Exhaust X Mechanical To keep below any listed TLV's and/or for general good ventilation.			
	<del></del>	emical Goggles	
Other Protective Clothing When handling larger volume of material or when splashing	ng is anticipated, wear impervious	clothing to prevent contact with ski	n or other clothing.
SECTION 9 - SPILL OR LEAK PROCEDURES			
s to be Taken if Released or Spilled Contain spill. Neutralize with weak base solution. Vacuum up or soak up on inert absorbant			
and place in suitable container(s) for disposal. Rinse any residue with plenty of water.			
Waste Disposal Methods Probable to flush small neutralized, diluted solutions to sanitary sewer. Check all government regulations.			
SECTION 10 - STORAGE AND HANDLING INFORM			
	ATION		
Precautions to be Taken in handling and Storage Store awa after handling.		ut of reach of children.	Wash thoroughly