

Zep Inc. 1310 Seaboard Industrial Blvd. Atlanta, GA 30318 1-877-I-BUY-ZEP (428-9937) www.zep.com

Material Safety Data Sheet

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and Safe Handling and Disposal Information

Printing date: U8/U5/U8	Supersedes 12/11/97 EP (428-9937) e - All Calls alls Recorded					
Date of issue 01/03/05 Emergency Telephone Numbers For MSDS Information: Compliance Services 1-877-I-BUY-Z For Medical Emergency INFOTRAC: (877) 541-2016 Toll Fr Recorded For Transportation Emergency INFOTRAC: (800) 424-9300 - All 0 In the District of Columbia (202) 483 Prepared By Compliance Services Group 1420 Seaboard Industrial Blvd. Atlanta, GA 30318 Section 2. Composition, Information on Ingredients Name of hazardous ingredients	EP (428-9937) e - All Calls 'alls Recorded					
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Name of hazardous ingredients CAS # % by Weight						
PHOSPHORIC ACID /004-38-2 30 - 40	Exposure Limits					
	ACGIH / OSHA (United States). TWA: 1 mg/m ³ 8 hour(s). ACGIH TLV (United States). STEL: 3 mg/m ³ 15 minute(s).					
Section 3. Hazards Identification						
Acute Effects Routes of Entry Dermal contact. Eye contact.	HMIS					
Skin Hazardous by the following route of exposure: of skin contact (corrosive). S	HMIS Health Fire Hazard					

	occasionally, blistering.	
Eyes	Hazardous by the following route of exposure: of eye contact (corrosive). Direct contact with	Personal Protection
	the eyes can cause irreversible damage, including blindness. Liquid, spray or mist may	
	produce tissue damage, particularly to mucous membranes of eyes, mouth and respiratory	
	tract.	

Inhalation Hazardous by the following route of exposure: of inhalation (lung irritant). Inhalation of the spray or mist may produce severe irritation of respiratory tract, characterized by coughing, choking or shortness of breath. Over-exposure by inhalation may cause respiratory irritation.

Ingestion Harmful if swallowed. May cause burns to mouth, throat and stomach.

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse health effects are lessened by following all prescribed safety precautions, including use of proper personal protective equipment.

Carcinogenic Effects Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.					
Chronic Effects Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin					
irritation. Repeated or prolonged exposure to spray or mist may produce respiratory tract irritation,					
	leading to frequent attacks of bronchial infection.				
	See Toxicological Information (section 11)				

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.			
Skin Contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation develops.			
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.			
Ingestion	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.			

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Section 5. Fire			FLAMMARIE	LIMITS Not applie	able	
Flash PointNot applicableFLAMMABLE LIMITS Not applicableFlammabilityNon-combustible.3						
Fire hazard						
Fire-fighting p	orocedures	Use a	an extinguishing agent sui	table for the surrou	nding fire.	\sim
		lease Measures				
Spill Clean up Put on appropriate personal protective equipment (see section 8). Absorb with an inert material and place i an appropriate waste disposal container. To clean the floor and all objects contaminated by this material, us [***]. detergent. Finish cleaning by spreading water on the contaminated surface and dispose of according local and regional authority requirements.						this material, use
Section 7. Han	ndling and	Storage				
Handling Avoid contact with eyes, skin and clothing. Avoid breathing vapors, spray or mists. Keep container closed. Use only with adequate ventilation. Wash contaminated clothing before reusing. Do not reuse product container. Wash thoroughly after handling.						
		ner tightly closed an the reach of children	d dry. Keep container in n.	a cool, well-ventila	ted area. Store betw	ween 40°F - 120°F
Section 8. Exp	osure Con	trols, Personal P				
	homical and	Personal Pro			Protective Clothin	
-	-	ash goggles or face s		٢		
Body Wear appropriate protective clothing to prevent skin contact. Recommended: Rubber gloves. Neoprene gloves. Nitrile gloves. Chemical- resistant apron. Chemical resistant boots.						
			ovide exhaust ventilation eir respective threshold lin		g controls to keep th	e airborne
		Chemical Propert	ies			
Physical State	-				olor Clear. Colorles	8.
рН	1.0-1.5				dor Mild. Acidic.	
Boiling Point		C (225°F)		-	ure Not determined.	
Specific Gravi	-			-	sity Not determined. ate 1 compared with	
Solubility	Easily so hot wate		ng materials: cold water,	VOC (Consum		
Section 10. Sta						
Stability and F		The product is				
Incompatibilit	-		oxidizing agents, alkalis.			
		on Will not occur.		manida and athen		Emits torris
nazardous De	compositi		rbon dioxide., Carbon me nes when heated to decom		r organic materials	Emits toxic
Section 11. To	xicologica	l Information				
Jnited States						
Acute toxicity						
Section 12. Ec Ecotoxicity		n formation Not available.				
Biodegradable	e/OECD	Not available.				
Section 13. Di						
Waste Information	Waste m	nust be disposed of in	n accordance with federal, l control regulations.		Code: D002 Classification: - (Ha Origin: - (RCRA wa	· · · · · · · · · · · · · · · · · · ·
Consult your lo	cal or regio	nal authorities.				
Section 14. Tra Proper shippin	ng name	Corrosive liquid, a	cidic, inorganic, n.o.s. (Pr	osphoric Acid)		= 1
DOT Classificat NOTE: DOT class the Bill of Lading	sification app		sizes. For specific containe	r size classifications	UN number 320 s or for size exceptions	

TDG Classification TDG Class 8: Corrosive liquid.

Section 15. Regulatory Information

U.S. Federa	Regulations
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SARA 313 toxic chemical notification and release reporting: No products were found.
Clean Water Act (CWA) 311: Phosphoric Acid RQ 5000 lbs. (2270 kg)
Clean Air Act (CAA) 112 regulated toxic substances: No products were found.
All Components of this product are listed or avaput from listing on TSCA inva-

All Components of this product are listed or exempt from listing on TSCA inventory.

State Regulations

WHMIS (Canada)

Class E: Corrosive liquid.

Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.