

Material Safety Data Shoot

Material Safety Data Sneet				1
Section 1. P	roduct and Company Identification			
Product Name	Buffer pH 7.0, Yellow	Product Code	34170-1	30
Manufacturer	EMD Chemicals Inc. P.O. Box 70 480 Democrat Road Gibbstown, NJ 08027 Prior to January 1, 2003 EMD Chemicals Inc. was EM Industries, Inc. or EM Science, Division of EM Industries, Inc.	Effective Date	11/4/200	3
		Print Date	5/3/2004	
For More Information Call 856-423-6300 Technical Service Monday-Friday: 8:00 AM - 5:00 PM		In Case of Emer	rgency Call	
		800-424-9300 CHEMTREC (USA) 613-996-6666 CANUTEC (Canada) 24 Hours/Day: 7 Days/Week		
Synonym	None.			
Material Uses	Laboratory Reagent			
Chemical Family	Solution.			
Section 2. C	composition and Information on Ingredients			
Component		CA	AS#	% by Weight
Sodium Phosphate, Dibasic Potassium Phosphate, Monobasic		0.5353	8-79-4 8-77-0	<1 <1

Component	CAS#	% by Weight
Sodium Phosphate, Dibasic	7558-79-4	<1
Potassium Phosphate, Monobasic	7778-77-0	<1
Tartrazine	1934-21-0	<1
Dowicide A	132-27-4	0.05
Water	7732-18-5	97-99

Physical State and Appearance	Liquid.	
Emergency Overview	CAUTION! MAY BE HARMFUL IF INHALED OR SWALLOWED. MAY CAUSE EYE AND SKIN IRRITATION. WARNING: This product contains a chemical(s) known to the State of California to cause cancer.	
Routes of Entry	Dermal contact. Eye contact. Inhalation. Ingestion.	
Potential Acute Health Ef	fects	
Eye	s May be hazardous in case of eye contact (irritant).	
Ski	May be hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.	
Inhalation May be hazardous in case of inhalation.		
Ingestio	Ingestion May be hazardous in case of ingestion.	

Carcinogenic Effects This material is not known to cause cancer in animals or humans.

Additional information See Toxicological Information (section 11)

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Medical Conditions Aggravated by Overexposure:	Repeated or prolonged exposure is not known to aggravate medical condition.		
Section 4. First A	id 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. Cold water may be used. Get medical attention.		
Skin Contact	In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.		
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 anythin by mouth to an unconscious person. If large quantities of this material are swallowed, call physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.		
Section 5. Fire Fig	hting Measures		
Flammability of the Product	Non-flammable.		
Auto-ignition Temperature	Not applicable.		
Flash Points	Not applicable.		
Flammable Limits	Not applicable.		
Products of Combustion	Not applicable,		
Fire Hazards in Presence of Various Substances	Not applicable.		
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of static discharge: No. Risks of explosion of the product in presence of mechanical impact: No.		
Fire Fighting Media and Instructions	Not applicable.		
Protective Clothing (Fire)	Not applicable.		
Special Remarks on Fire Hazards	Not available.		
Special Remarks on Explosion Hazards	Not available.		
Section 6. Accider	ntal Release Measures		
Small Spill and Leak	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.		
arge Spill and Leak	Absorb with an inert material and put the spilled material in an appropriate waste disposal.		
Spill Kit Information	No specific spill kit required for this product.		

Section 7. Handling and Storage

Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapors or spray mists. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Storage

Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls/Personal Protection

Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection

Eyes Splash goggles.

Body Lab coat.

Respiratory Vapor respirator. Be sure to use an approved/certified respirator or equivalent.

Hands Gloves.

Feet Not applicable.

Protective Clothing (Pictograms)







Personal Protection in Case of a Large Spill

Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Product Name Sodium Phosphate, Dibasic Potassium Phosphate, Monobasic Tartrazine

Dowicide A Water

Exposure Limits Not available. Not available. Not available. Not available. Not available.

Section 9. Physical and Chemical Properties

Odor	Odorless.	
Color	Clear, Yellow.	
Physical State and Appearance	Liquid.	
Molecular Weight	Not applicable.	
Molecular Formula	Not applicable.	
pH	7 [Neutral.]	
Boiling/Condensation Point	The lowest known value is 99.9°C (211.8°F) (Water).	
Melting/Freezing Point	May start to solidify at -0.1°C (31.8°F) based on data for: Water.	
Specific Gravity	Not available.	
Vapor Pressure	Not available.	
Vapor Density	Not available.	

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Odor Threshold	Not available.		
Evaporation Rate	0.36 (Water) compared to(n-Butyl Acetate =1)		
LogK	Not available.		
Solubility	Soluble in water.		
Section 10. Stabili	ty and Reactivity	A SECULIAR DE LA CONTRACTOR DE LA CONTRA	
Stability and Reactivity	The product is stable.		
Conditions of Instability	Not available.		
Incompatibility with Various Substances	Not available.		
Rem/Incompatibility	Not available.		
Hazardous Decomposition Products	Not applicable.		
Hazardous Polymerization	Will not occur.		
Section 11. Toxico	ological Information		(JA.,
RTECS Number:	Sodium Phosphate, Dibasic, Anhydrous, GR Potassium Phosphate Tartrazine Water Dowicide A	WC4500000 TC6615500 UQ6400000 ZC0110000 DV7700000	
Toxicity	LD ₅₀ : Not available. LC ₅₀ : Not available.	21.13030	
Chronic Effects on Humans	Not available.		
Acute Effects on Humans	May be hazardous in case of eye contact (irrit(irritant)). Skin inflammation is characterized blistering. May be hazardous in case of inhalation	by itching, scaling, red	dening, or, occasionally
Synergetic Products (Toxicologically)	Not available.		
Irritancy	Draize Test: Not available.		SEL PLANTED
Sensitization	Not available.		
Carcinogenic Effects	This material is not known to cause cancer in animals or humans.		
Toxicity to Reproductive System	Not available.		
Teratogenic Effects	Not available.		
Mutagenic Effects	Not available.		

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Section 12. Ecolo	gical Information		
Ecotoxicity	Not available.		
BOD5 and COD	Not available.		
Toxicity of the Products of Biodegradation	The products of degradation are less toxic than the product	at itself.	
Section 13. Dispo	sal Considerations		
EPA Waste Number	Not available.		
Treatment	Material does not have an EPA Waste number and is not a listed waste, however consultation with a permitted waste disposal site (TSD) should be accomplished. ALWAYS CONTACT A PERMITTED WASTE DISPOSER (TSD) TO ASSURE COMPLIANCE WITH ALL CURRENT LOCAL, STATE AND FEDERAL REGULATIONS.		
Section 14. Trans	sport Information		
DOT Classification	Not available.		
TDG Classification	Not available.		
IMO/IMDG Classification	Not available.		
ICAO/IATA Classification	Not available.		
Section 15. Regul	latory Information		
U.S. Federal Regulations	TSCA 8(b) inventory: Sodium Phosphate, Dibasic; Potassium Phosphate, Monobasic; Tartrazine; Dowicide A; Water SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: Sodium Phosphate, Dibasic; Dowicide A SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Sodium Phosphate, Dibasic; Immediate (Acute) Health Hazard; Dowicide A: Immediate (Acute) Hazard, Delayed (Chronic) Health Hazard		
	Clean Water Act (CWA) 307: No products were found.		
	Clean Water Act (CWA) 311: Sodium Phosphate, Dibasic		
	Clean air act (CAA) 112 accidental release prevention: No		
	Clean air act (CAA) 112 regulated flammable substances: No products were found.		
	Clean air act (CAA) 112 regulated toxic substances: No pr	oducts were found.	
WHMIS (Canada)	Not controlled under WHMIS (Canada).		
	CEPA DSL: Sodium Phosphate, Dibasic; Potassium Phos Dowicide A; Water	sphate, Monobasic; Tartrazine;	
	This product has been classifed in accordance with the ha Regulations and the MSDS contains all required information		
	-		
International Regulations			
International Regulations EINECS	Sodium Phosphate, Dibasic 231-448-7		
	Sodium Phosphate, Dibasic 231-448-7 Potassium Phosphate, Monobasic 231-913-4 Tartrazine 217-699-5 Dowicide A 205-055-6 Water 231-791-2		

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International Lists Australia (NICNAS): Sodium Phosphate, Dibasic ; Potassium Phosphate, Monobasic; Tartrazine; Dowicide A; Water

Japan (MITI): Sodium Phosphate, Dibasic; Potassium Phosphate, Monobasic; Tartrazine; Dowicide A; Water

Japan (MOL): Dowicide A

Korea (TCCL): Sodium Phosphate, Dibasic; Potassium Phosphate, Monobasic; Tartrazine; Dowicide A; Water

Philippines (RA6969): Sodium Phosphate, Dibasic; Potassium Phosphate, Monobasic; Tartrazine; Dowicide A; Water China: No products were found.

State Regulations

Pennsylvania RTK: Sodium Phosphate, Dibasic : (environmental hazard, generic environmental hazard)

Massachusetts RTK: Sodium Phosphate, Dibasic; Dowicide A

New Jersey: Buffer Solution, pH 7.0 (Yellow)

California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Dowicide A

California prop. 65 (no significant risk level): Dowicide A

California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Dowicide

Section 16. Other Information

National Fire Protection Association (U.S.A.)



Specific Hazard

Changed Since Last Revision +

Notice to Reader

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