

MATERIAL SAFETY DATA SHEET  
MSDS for 4-4965 CHROME CYLINDER CLEANER.

1 -Section I - Product Identification

Manufacturer's Name | Emergency Phone Number (24 Hours)  
A.B.DICK COMPANY	(312) 763-1900
Street Address | MSDS Request Phone Number:  
5700 WEST TOUHY AVENUE | 1-800-752-5139, Ext. 2531  
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City,State,Zip Code | Date Prepared: March 16, 1994  
NILES, ILLINOIS 60714 | Prepared By: Kenneth W. Pinter  
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Product Use: OFFSET PRINTING.  
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Chemical Name, Trade Name, Synonyms: NONE.

HMIS RATING

2 - Health      0 - Flammability      0 - Reactivity      B - Personal Protection

2 -Section II - Hazardous Ingredients

Hazardous Components	CAS NO.	% WT.	Exposure Limits		
			OSHA PEL	ACGIH TLV	OTHER
PHOSPHORIC ACID	7664-38-2	< 5	1 mg/M3.	1 mg/M3	
NITRIC ACID	7697-37-2	< 2	5 mg/M3.	5 mg/M3	

3 -Section III - Physical Data

Boiling POINT(F): > 215	pH: 0.8
Vapor Pressure(mm Hg): CA.20      |Freezing Point(F): 0  
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Vapor Density (AIR = 1): > 1      | VOC: 2.03 LBS/GAL  
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Specific Gravity (H2O=1): 1.32      |Color And Odor: WHITE / ACIDIC  
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3 -Section III - Physical Data (continued)

Odor Threshold: N.D. | Physical State: VIS.LIQ.TO PASTE  
Evaporation Rate (Butyl Acetate = 1): N.D.  
Solubility in Water: DISPERSES.

4 -Section IV - Fire and Explosion Hazard Data

FLASH POINT (METHOD USED): NONE. | Flammable Limits:  
| LEL: N.A. | UEL: N.A.  
Auto-ignition Temperature: N.D.  
Extinguishing Media: N.A.  
Special Fire Fighting Procedures: N.A.  
Unusual Fire And Explosion Hazards: N.A.

5 -Section V - Reactivity Data

Stability      Unstable :      | Conditions to Avoid: WILL REACT WITH MOST METALS  
                 Stable : X      | AND ALKALINE MATERIALS.  
Incompatibility (Materials to Avoid): MOST METALS AND ALKALINE MATERIALS.  
Hazardous Decomposition Products: OXIDES OF NITROGEN.

Hazardous      | May Occur:      | Conditions to Avoid: NONE.  
Polymerization | Will Not Occur: X

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6 -Section VI - Health Hazard Data (Acute and Chronic)

Primary Route(s) of Entry: SKIN, EYE

Oral Ingestion: VERY ACIDIC AND DAMAGING TO TISSUE.

Eye Contact: MAY CAUSE SEVERE IRRITATION OR BURN EYES.

Skin Contact: WILL CAUSE IRRITATION.

Inhalation: NO KNOWN PROBLEMS.

Effects of Overexposure: MAY CAUSE EYE AND SKIN IRRITATION. MAY DAMAGE TISSUE.

Medical Conditions Generally Aggravated by Exposure | N.D.

Carcinogenicity: CONTAINS NO MATERIALS THAT ARE CONSIDERD CARCINOGENS BY NTP, IARC, AND OSHA.

Mutagenicity: NOT KNOWN TO BE MUTAGENIC.

Teratogenicity: NOT KNOWN TO BE TERATOGENIC.

Reproductive Toxicity: NOT KNOWN TO HAVE REPRODUCTIVE TOXICITY.

FIRST AID PROCEDURES

Ingestion: DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION IMMEDIATELY.

Eye: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY.

Skin: WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, CONSULT A PHYSICIAN.

Inhalation: REMOVE TO FRESH AIR.

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## 7 -Section VII - Toxicology Information

Ingredient	Inhalation LC50	Oral LD50(RATS)	Dermal LD50(RABBITS)
PHOSPHORIC ACID	N.D.	1530 mg/KG	2750 mg/KG
NITRIC ACID	115 PPM	50-500 mg/KG	N.D.

## 8 -Section VIII - Spill or Leak Procedure

Steps to be taken in case material is released or spilled:  
WIPE UP WITH SOAP AND WATER.

Disposal Method: IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS FOR  
CORROSIVE MATERIALS.

## 9 -Section IX - Special Protection Information

Ventilation Local Exhaust: N.A. Special: N.A.  
Mechanical(General): ACCEPTABLE. Other: N.A.

Respiratory Protection: NOT REQUIRED.

Protective Clothing: PROTECTIVE GLOVES MAY BE REQUIRED BY SOME SENSITIVE  
INDIVIDUALS.

Eye Protection: SPLASH GOGGLES.

Other Protective Equipment: NONE.

## 10 -Section X - Special Precautions

Precautions to be taken in Handling and Storing: WILL FREEZE AT LOW  
TEMPRETURES BUT IS NOT AFFECTED, BRING TO ROOM TEMPRETURE AND SHAKE. AVOID  
EYE AND CONTACT. KEEP CONTAINER CLOSED WHEN NOT IN USE.

Other Precautions: SHAKE CONTAINER BRISKLY BEFORE USING.

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11 -Section XI - Transportation Information

Hazard Class: 8 Label: None  
DOT Proper Shipping Name: Compound, Cleaning, Liquid (Phosphoric Acid, Nitric Acid), 8, NA1760, III, Ltd. Qty.

12 -Section XII - Regulatory Information

CERCLA/SUPERFUND, 40 CFR 117,302: THIS PRODUCT CONTAINS PHOSPHORIC ACID AND NITRIC ACID, BOTH REPORTABLE QUANTITY (RQ) SUBSTANCES, AND IF 100,000 POUNDS OF PRODUCT ARE RELEASED, THE NATIONAL RESPONSE CENTER, WASHINGTON D.C. MUST BE NOTIFIED (1-800-424-8802).

SARA(TITLE III) - Sections 302, 311, 312, and 313:

Section 302 Extremely Hazardous Substances (40 CFR 355): THIS PRODUCT CONTAINS NITRIC ACID WHICH IS ON THE LIST OF EXTREMELY HAZARDOUS SUBSTANCE.

Section 311 and 312 MSDS Submission and Inventory Reporting (40 CFR 370): THIS PRODUCT CONTAINS PHOSPHORIC ACID AND NITRIC ACID THAT REQUIRE REPORTING UNDER 311 & 312, IF STORED IN LARGE ENOUGH QUANTITIES.

Section 313 Toxic Chemical Release Reporting (40 CFR 372): THIS PRODUCT CONTAINS PHOSPHORIC ACID & NITRIC ACID WHICH MAY REQUIRE REPORTING UNDER 313.

TOXIC SUBSTANCES CONTROL ACT (TSCA):

This product complies with rules and regulations of TSCA.

California Proposition 65: THIS PRODUCT DOES NOT CONTAIN ANY MATERIAL, THAT CURRENTLY LISTED BY THE STATE OF CALIFORNIA UNDER PROPOSITION 65.

13 -Section XIII - Addition Information

NEW JERSEY AND PENNSYLVANIA RIGHT TO KNOW INFORMATION: WATER(7732-18-5), PHOSPHORIC ACID(7664-38-2), NITRIC ACID(7697-37-2), ALUMINUM OXIDE(1344-28-1), CLAY(1318-93-0).

N.D. = No Data N.A. = Not Applicable

The information herein given in good faith but no warranty, express or implied, is made.