

# MATERIAL SAFETY DATA SHEET

550313

(APPROVED BY THE U.S. DEPARTMENT OF LABOR AS "essentially similar" to form OSHA-20 (former LSB-OSS-4)  
FOR HAZARDOUS PRODUCTS USED IN PLACES OF EMPLOYMENT

<b>Section 1</b>		<b>NAME AND PRODUCT</b>	4-4965	Chrome Cylinder Cleaner
<b>MANUFACTURER'S NAME</b>			<b>EMERGENCY PHONE NO.: 24 HOURS</b>	
(a) A.B.DICK COMPANY			(b) 312 - 647 - 8800	
<b>STREET ADDRESS</b>			For latest data, consult manufacturer.	<b>DATE THIS FORM WRITTEN</b>
(c) 5700 WEST TOUHY AVENUE				(d) March 11, 1985
<b>CITY, STATE, ZIP CODE</b>			<b>SIGNATURE</b>	
(e) CHICAGO, ILLINOIS 60648			(f) Kenneth W. Pinter <i>Kenneth W. Pinter</i>	
<b>CHEMICAL NAME, TRADE NAME, AND SYNONYMS</b>				
(g)				

## HAZARD CLASSIFICATION FOR DEPARTMENT OF TRANSPORTATION (DOT)

Flammable Liquid  Combustible Liquid  Corrosive Material

DOT Shipping Name: Compounds, cleaning liquid UN# 1760

Section 2	HAZARDOUS INGREDIENTS	CAS Reg. No.	% Wt.	TLV (units)
1.	Phosphoric Acid (Z-1)	7164-38-2	<5	1 mg./M <sup>3</sup>
	Nitric Acid (Z-1)	7697-37-2	<2	5 mg./M <sup>3</sup>

Section 3	PHYSICAL DATA	pH	0.8	FREEZING POINT (°F)	0	
2.	BOILING POINT (°F.)	> 215		6.	SPECIFIC GRAVITY (H <sub>2</sub> O = 1)	1.32
3.	VAPOR PRESSURE (mmHg at 20°C)	ca. 20		7.	% VOLATILE BY VOLUME	65
4.	VAPOR DENSITY (air=1)	> 1		8.	COLOR AND ODOR	White - acidic
5.	SOLUBILITY IN WATER	Disperses		9.	PHYSICAL STATE	Vis. liq. to paste

## Section 4 FIRE AND EXPLOSION HAZARD DATA

10. FLASH POINT (AND METHOD USED)	None OF T.O.C., T.C.C., C.O.C.	11. FLAMMABLE LIMITS (STP)	L.F.L.	U.F.L.
12. EXTINGUISHING MEDIA:				
N.A. <input type="checkbox"/> WATER FOG <input type="checkbox"/> FOAM <input type="checkbox"/> ALCOHOL FOAM <input type="checkbox"/> CO <sub>2</sub> <input type="checkbox"/> DRY CHEMICAL <input type="checkbox"/> OTHER				

## 13. SPECIAL FIRE FIGHTING PROTECTIVE EQUIPMENT

N.A.

## 14. UNUSUAL FIRE AND EXPLOSION HAZARDS

N.A.

## Section 5 REACTIVITY DATA

15. STABILITY	NORMAL CONDITIONS	OK	16. CONDITIONS TO AVOID Will react with most metals and alkaline materials.
	FIRE CONDITIONS	OK	
17. INCOMPATIBILITY (Materials to avoid)	<input type="checkbox"/> WATER <input type="checkbox"/> ACID <input type="checkbox"/> BASE <input type="checkbox"/> CORROSIVE <input type="checkbox"/> OXIDIZING MATERIAL <input type="checkbox"/> OTHER See #15.		

## 18. HAZARDOUS DECOMPOSITION PRODUCTS

None

19. HAZARDOUS POLYMERIZATION	MAY OCCUR		20. CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

Section 6 HEALTH HAZARD DATA

- 21. ORAL INGESTION  
Very acidic and damaging to tissue. Notify a physician immediately.
- 22. EYE CONTACT  
Flush the eyes with water for at least 15 minutes. Call a physician immediately.
- 23. SKIN CONTACT  
Will cause irritation. Rinse with soap and water promptly.
- 24. SKIN ABSORPTION  
See Item #23.
- 25. INHALATION (TLV OR SUGGESTED CONTROL FIGURE)  
None
- 26. EFFECTS OF OVEREXPOSURE  
None
- 27. FIRST AID PROCEDURES

Whether ingested or contact with the eye, a physician should be called promptly.

Section 7 SPILL OR LEAK PROCEDURES

- 28. STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED  
  
Wipe up with soap and water.
- 29. DISPOSAL METHOD  
  
In accordance with local, state and federal regulations for corrosive materials.

Section 8 SPECIAL PROTECTION INFORMATION

- |                 |                                       |         |
|-----------------|---------------------------------------|---------|
| 30. VENTILATION | LOCAL EXHAUST<br>Not required.        | SPECIAL |
|                 | MECHANICAL (General)<br>Not required. | OTHER   |
- 31. RESPIRATORY PROTECTION (Specify Type)  
Not required.
  - 32. PROTECTIVE CLOTHING  
Protective gloves may be required by some sensitive individuals.
  - 33. EYE PROTECTION  NOT NORMALLY NECESSARY  SAFETY GLASSES WITHOUT SIDE SHIELDS  CHEMICAL WORKERS GOGGLES  
 GAS TIGHT GOGGLES OR EQUIVALENT  SAFETY GLASSES WITH SIDE SHIELDS  
 OTHER \_\_\_\_\_
  - 34. OTHER PROTECTIVE EQUIPMENT  
  
None

Section 9 SPECIAL PRECAUTIONS OR OTHER COMMENTS

- 35. PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING  
  
Will freeze at low temperatures but is not affected; bring to room temperature and shake.
- 36. OTHER PRECAUTIONS  
  
Shake container briskly before using.