

MATERIAL SAFETY
DATA SHEET



DIVISION: OFFICE SYSTEMS
TRADE NAME: 3M BRAND SYSTEMS CLEANER - PART A
3M I.D. NUMBER: 74-0400-4151-4
ISSUED: DECEMBER 1, 1985
SUPERSEDES: NOVEMBER 1, 1984
DOCUMENT: 10-0222-9

1. INGREDIENTS	C.A.S. NO.	PERCENT	EXPOSURE LIMITS
WATER	7732-18-5	86.0- 91.0	N/D 5
SODIUM DICHROMATE (AS CR)	10588-01-9	9.0- 14.0	.05 MG/CU M 1

- SOURCE OF EXPOSURE LIMIT DATA
1. ACGIH THRESHOLD LIMIT VALUES
 2. FEDERAL OSHA PERMISSIBLE EXPOSURE LIMIT
 3. 3M EXPOSURE GUIDELINES
 4. CHEMICAL MANUFACTURER RECOMMENDED GUIDELINES
 5. NONE ESTABLISHED

ABBREVIATIONS
N/D - NOT DETERMINED
N/A - NOT APPLICABLE

2. PHYSICAL DATA			
BOILING POINT:	N/A	SOLUBILITY IN WATER:	COMPLETE
VAPOR PRESSURE:	N/A	SP. GRAVITY (WATER=1):	APP. 1
VAPOR DENSITY (AIR=1):	>1	PERCENT VOLATILE:	>86%
EVAPORATION RATE			
(=1):	N/A	VISCOSITY:	N/D
APPEARANCE AND ODOR:	DEEP ORANGE OR PURPLE LIQUID, NO ODOR.		pH: 3-4

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (): NONE
FLAMMABLE LIMITS - LEL: N/A UEL: N/A

EXTINGUISHING MEDIA:
N/A

SPECIAL FIRE FIGHTING PROCEDURES:
NONE, BUT OBSERVE PRECAUTIONS IN OTHER SECTIONS.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
NONE, BUT OBSERVE PRECAUTIONS IN OTHER SECTIONS.

General Offices/3M

3M Center
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4. REACTIVITY DATA
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STABILITY: STABLE

INCOMPATIBILITY - MATERIALS TO AVOID:
POWERFUL OXIDIZER, AVOID CONTACT WITH ALL COMBUSTIBLES AND ORGANIC
MATERIAL. CONTACT WITH REDUCING AGENTS MAY CAUSE AN EXPLOSION.
HAZARDOUS POLYMERIZATION: MAY NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS:
N/D

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5. ENVIRONMENTAL INFORMATION
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SPILL RESPONSE:
ISOLATE SPILL AREA AND DENY ENTRY TO UNNECESSARY PERSONS. WEAR
PERSONAL PROTECTIVE EQUIPMENT, AND KEEP SPILL AREA WELL VENTILATED.
DO NOT TOUCH SPILLED MATERIALS AND KEEP COMBUSTIBLES (WOOD, PAPER,
OIL, ETC.) AWAY FROM SPILL. TAKE UP SPILL WITH SAND, EARTH OR OTHER
NON-COMBUSTIBLE ABSORBENT MATERIAL. IN CASE OF SPILL INTO NATURAL
WATER BODY, CONTACT STATE AUTHORITIES.

RECOMMENDED DISPOSAL:
SEND TO HAZARDOUS WASTE TREATMENT FACILITY FOR TREATMENT AND/OR
DISPOSAL.

ENVIRONMENTAL DATA:
EPA HAZARDOUS WASTE NO., 0007.

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6. SUGGESTED FIRST AID
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EYE CONTACT:
IN CASE OF EYE CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER
FOR AT LEAST TEN MINUTES AND CONTACT A PHYSICIAN.

SKIN CONTACT:
IN CASE OF SKIN CONTACT, WASH AFFECTED AREA WITH SOAP AND WATER.

INHALATION:
IF RESPIRATORY IRRITATION OR OTHER SYMPTOMS OCCUR, MOVE TO FRESH AIR.

IF SWALLOWED:
IF SWALLOWED, DRINK TWO GLASSES OF MILK OR WATER AND CONTACT A
PHYSICIAN OR POISON CONTROL CENTER.

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7. PRECAUTIONARY INFORMATION
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DO NOT GET IN EYES. WEAR CHEMICAL GOGGLES WHEN HANDLING. AN EYEWASH
FOUNTAIN SHOULD BE AVAILABLE.
AVOID SKIN CONTACT.
DO NOT TAKE INTERNALLY.
KEEP OUT OF REACH OF CHILDREN.
IMPERVIOUS GLOVES AND APRON ARE RECOMMENDED.
KEEP BOTTLE TIGHTLY CLOSED WHEN NOT IN USE.
ONE QUART EACH OF PARTS A AND B ARE MIXED TOGETHER AND DILUTED WITH

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WATER TO MAKE 16 GALLONS OF WORKING SOLUTION.

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8. HEALTH HAZARD DATA

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EYE CONTACT: CAUSES EYE IRRITATION AND MAY CAUSE EYE DAMAGE.

SKIN CONTACT: CAUSES SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTIONS IN SOME INDIVIDUALS.

INHALATION: NO ADVERSE HEALTH EFFECTS ARE EXPECTED. (AS A DUST OR MIST OF A CONCENTRATED SOLUTION, SODIUM DICHROMATE IS CORROSIVE AND CAN CAUSE ULCERATION AND PERFORATION OF THE NASAL SEPTUM ON PROLONGED OR REPEATED OVEREXPOSURE. DUE TO THE LOW CONCENTRATION OF THIS CHEMICAL IN THE PRODUCT, THESE EFFECTS ARE NOT ANTICIPATED.)

INGESTION: MAY CAUSE DIGESTIVE SYSTEM IRRITATION AND LIVER AND KIDNEY DAMAGE. (AS THE SOLID OR IN CONCENTRATED SOLUTIONS, SODIUM DICHROMATE IS CORROSIVE AND CAN CAUSE SEVERE INFLAMMATION OF THE DIGESTIVE SYSTEM, ULCERATION AND DEATH. DUE TO THE LOW CONCENTRATION OF THIS CHEMICAL IN THE PRODUCT, THESE EFFECTS ARE NOT ANTICIPATED.)

OTHER: SODIUM DICHROMATE CAUSES MUTATION IN BACTERIA, PLANTS AND ANIMAL AND HUMAN CELLS GROWN IN CULTURE. CHROMIUM MAY BE TRANSFERRED TO THE FETUS IN CASES OF EXPOSURE DURING PREGNANCY.

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The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.