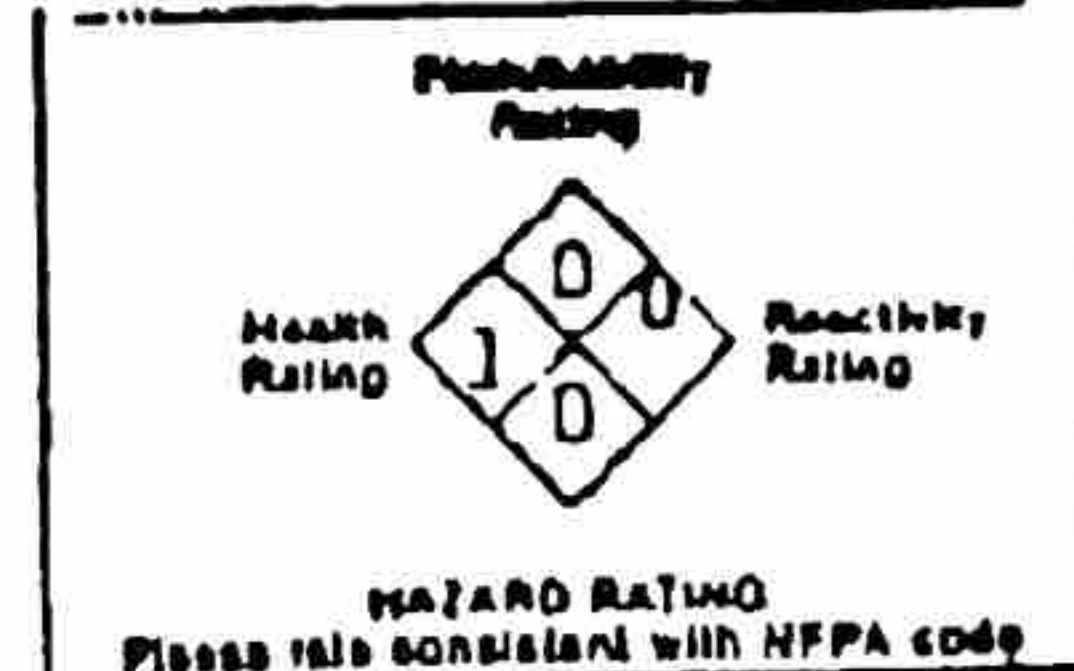




MATERIAL SAFETY DATA SHEET



MSDS NO. 30-CB/8801

DATE 10-6-95

SECTION I

PRODUCT NAME OR NUMBER (AS IT APPEARS ON LABEL) FD-32018 CLOTH BUFFING AND POLISHING WHEELS		EMERGENCY TELEPHONE NO. 313-921-7030
MANUFACTURER'S NAME FORMAX MANUFACTURING CORPORATION		APPROVED BY H. J. MCALEER
ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE) 3178 BELLEVUE, DETROIT, MICHIGAN 48207		MANUFACTURER'S D.U.N.S. NO. 00-535-4238
PROPER SHIPPING NAME NMFC-48580 SCOURING COMPOUND (CAKE, PASTE OR LIQUID FORM N.O.I.)		
ADDITIONAL HAZARD CLASSES (AS APPLICABLE) NOT REGULATED BY D.O.T.		
CHEMICAL FAMILY ORGANIC/INORGANIC ORGANIC	FORMULA COTTON AND/OR POLYESTER TEXTILES	

SECTION II COMPOSITION

CHEMICAL NAME	PERCENTAGE RANGE	COMMON NAME	REG. (Y/N)	CAS #	OSHA PERMISSIVE EXPOSURE LIMIT	ACGIH TLV	CARCINOGEN (Y/N)
<p>BUFFING WHEELS ARE MADE USING A VARIETY OF WOVEN COTTON SHEETINGS OR BLENDS OF WOVEN COTTON/POLYESTER FIBERS. / IN THE FINISHING FIELD THEY SERVE TWO MAIN FUNCTIONS: (1) TO CARRY THE ABRASIVE PARTICLES, FORMULATED IN THE BUFFING COMPOUND, ACROSS THE WORK SURFACE IN ORDER TO PERFORM A CUTTING, DEBURRING OR COLORING ACTION. (2) WHERE REQUIRED, TO GENERATE SUFFICIENT FRICTIONAL HEAT TO PERMIT PLASTICALLY FLOWING OR BURNISHING THE WORK TO A SMOOTH SURFACE. IT IS TO PERFORM THESE TWO PRINCIPAL FUNCTIONS THAT BUFFING WHEELS ARE PRODUCED IN A RANGE OF DESIGNS, BUFFING FABRICS AND CONSTRUCTIONS. THE NATURE AND SHAPE OF THE WORK PIECE AND THE ULTIMATE FINISH DESIRED DICTATE THE STYLES BEST SUITED FOR A PARTICULAR APPLICATION. TO FUNCTIONALLY IMPART HARDNESS AND IMPROVE PERFORMANCE DIP TREATING SOLUTIONS MAY BE ADDED TO BIND THE FIBERS MORE TIGHTLY TOGETHER. THE TREATING SOLUTIONS ARE WATER BASED EMULSIONS FORMULATED USING POLYVINYL ADHESIVES, VEGETABLE WAXES AND RESINS NOT CONSIDERED OR KNOWN TO BE HAZARDOUS OR TOXIC.</p>							

SECTION III PHYSICAL AND CHEMICAL DATA

BOILING POINT	N/A	MELTING POINT	N/A	SPECIFIC GRAVITY	N/A
VAPOR PRESSURE	N/A	PERCENT VOLATILE BY VOL	-0-	VAPOR DENSITY	N/A
EVAPORATION RATE	N/A				
BUFF TREATING SOLUTIONS ARE GENERALLY SOLUBLE IN WATER, ALKALINE CLEANERS OR SOLVENT SOLUTIONS.				APPEARANCE AND ODOR	TEXTILE/VARIOUS STIFFNESS IN FEEL

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	OVER 400° F	(METHOD USED)	C.O.C.	FLAMMABLE LIMITS	LEL N/A	UEL N/A
EXTINGUISHING MEDIA	C.O.2, DRY CHEMICAL, WATER, FOAM					
SPECIAL FIRE FIGHTING PROCEDURES	TREAT BUFFING DUST, DIRT AND DEBRIS AS AN OIL FIRE					
EXPLOSION POTENTIAL	NONE					

SECTION VI REACTIVITY DATA

STABILITY: UNSTABLE STABLE	<input checked="" type="checkbox"/>	CONDITIONS TO AVOID: AVOID RUNNING BUFFING WHEELS DRY AND WITHOUT FREQUENT COMPOUND APPLICATION AS NEEDED TO PREVENT RAPID DETERIORATION, FRAYING, POTENTIAL SCORCHING, YELLOWING AND BURNING.
INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS OR REDUCING AGENTS		
HAZARDOUS DECOMPOSITION PRODUCTS: ON COMBUSTION HYDROCARBONS MAY FORM TO PRODUCE SMOKE, CARBON MONOXIDE, CARBON DIOXIDE.		
HAZARDOUS POLYMERIZATION	MAY OCCUR WILL NOT OCCUR	<input checked="" type="checkbox"/> CONDITIONS TO AVOID: USING UNDER CONDITION OF INSUFFICIENT DUST COLLECTING SYSTEM.

FD-32018

SECTION V HEALTH, FIRST AID AND MEDICAL DATA

PRIMARY ROUTE(S) OF ENTRY	ACUTE AND CHRONIC HEALTH EFFECTS AND EFFECTS OF OVEREXPOSURE	FIRST AID AND MEDICAL INFORMATION
INHALATION (DURING USE)	ACUTE - MAY CAUSE COUGHING, SHORTNESS OF BREATH CHRONIC - MAY AFFECT BREATHING CAPACITY (DUST)	REMOVE TO FRESH AIR APPLY ARTIFICIAL RESPIRATION AS NEEDED. OBTAIN FIRST AID OR MEDICAL ASSISTANCE
INGESTION	NO KNOWN ADVERSE EFFECTS, BUT INGESTION NOT RECOMMENDED	OBTAIN FIRST AID OR MEDICAL ASSISTANCE, IF NEEDED
SKIN CONTACT & ABSORPTION	IRRITATION OF THE SKIN MAY OCCUR DUE TO MECHANICAL/CHEMICAL ACTION	OBTAIN FIRST AID OR MEDICAL ASSISTANCE, IF NEEDED
EYE	DUST MAY IRRITATE EYES	WASH WITH LARGE AMOUNTS OF WATER OBTAIN FIRST AID OR MEDICAL ASSISTANCE, IF NEEDED
OTHER POTENTIAL HEALTH RISKS (PROLONGED INHALATION OF DUST PARTICLES MAY RESULT IN DISABLING PULMONARY FIBROSIS.)	SYMPTOMS MIGHT INCLUDE DEPOSITS OF MATERIALS IN EYES, EARS, NASAL PASSAGES, IRRITATION OF MUCUS MEMBRANES. WARNING: DO NOT BREATHE DUST OF COMPOUNDS CONTAINING ABRASIVE MATERIALS WITHOUT FOLLOWING OSHA SAFETY AND HEALTH STANDARDS FOR DUST ACCUMULATION COLLECTION.	OBTAIN MEDICAL ASSISTANCE

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: SWEEP INTO CONTAINERS. STORAGE OF BUFFING WHEEL AND COMPOUND DEBRIS MAY CONTAIN COMBUSTIBLE LINT.

WASTE DISPOSAL METHOD: INCINERATE OR DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

RCRA (SUPERFUND) REPORTABLE QUANTITY (IN LBS.) N/A

RCRA HAZARDOUS WASTE NO. (40 CFR 261.33) N/A

VOLATILE ORGANIC COMPOUND (VOC) (AS PACKAGED, MINUS WATER) N/A

☐ THEORETICAL -0- lb/gal ☐ ANALYTICAL -0- lb/gal

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE: OSHA 24 CFR/134 NIOSH/MSHA APPROVED RESPIRATORS FOR PARTICULATES FROM BUFFING DEBRIS)

VENTILATION: LOCAL EXHAUST: _____ GENERAL ROOM VENTILATION
MECHANICAL (GENERAL): _____ RECOMMEND VENTING TO DUST COLLECTORS

PROTECTIVE GLOVES: AS DESIRED BY USER.

EYE PROTECTION: OSHA 29 CFR 1910.122 SAFETY GLASSES

OTHER PROTECTIVE EQUIPMENT: PROTECTIVE WORK CLOTHING, BODY APRON OR BELLY PADS, SAFETY SHOES, AS NEEDED.

HEARING PROTECTION: OSHA 29 CFR 1910.216 (HEARING PROTECTION)

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: HANDLE WITH ADEQUATE VENTILATION FOR NUISANCE DUST WHEN USING. SEE OSHA 29 CFR 1910.24 (VENTILATION) AND 29 CFR 1910.1000 (AIR CONTAMINANTS).

OTHER PRECAUTIONS: REFER TO SAFETY GUIDE SHEET #8801 FOR CORRECT SIZE END FLANGES WHEN USING BIAS-TYPE METAL CENTER BUFFING WHEELS

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**NAIF - NO APPLICABLE INFORMATION FOUND

***N/A - NOT APPLICABLE