

MATERIAL SAFETY DATA SHEET

QUICK IDENTIFIER

WARRANT

CUSTOMER NAME AND ADDRESS

SC400L CRAFT COMMUNITY COLLEGE
FOOD SERVICE DEPT
18500 HAGGERTY ROAD
LIVONIA, MI 48152

MANUFACTURER'S NAME & ADDRESS

DuBOIS CHEMICALS
DIV. OF CHEMED CORP.
3630 E. KEMPER ROAD
SHARONVILLE, OHIO 45241

EMERGENCY PHONE NO.
613-769-4200

REFERENCE
B/L# 908421
INV# 11-53971

PREPARED BY W. J. CORBETT ON 09/30/86

ABBREVIATIONS: C-CEILING, MP-MAXIMUM PEAK, N/A-NOT APPLICABLE, N/K-NOT KNOWN, P-POTENTIAL, PEL-PERMISSIBLE EXPOSURE LIMIT, PM-PENSKY MARTENS, S-SKIN, ST-SHORT TERM, TLV-THRESHOLD LIMIT VALUE, TWA-TIME WEIGHTED AVERAGE.

SECTION 1 IDENTITY

COMMON NAME USED ON LABEL WARRANT

CODE 04624

CHEMICAL FAMILY MACHINE DISHWASHING COMPOUND

SECTION 2 HAZARDOUS INGREDIENTS (ONLY ITEMS LISTED ARE HAZARDOUS BY TITLE 29CFR 1910.1200)

PRINCIPAL HAZARDOUS COMPONENT(S) CHEMICAL & COMMON NAME	%	EXPOSURE LIMITS (TWA 8 HOUR UNLESS OTHERWISE SPECIFIED)	UNITS
SODIUM HYDROXIDE	<15	TLV-C 2; PEL-2	MG/M3

MAKE A
FILE FOR THIS

SECTION 3 PHYSICAL & CHEMICAL CHARACTERISTICS (FIRE & EXPLOSION DATA)

BOILING POINT	N/A	SPECIFIC GRAVITY	1.15	VAPOR PRESSURE	N/A	MMHg@	0	VOLATILE BY VOLUME	0	%
VAPOR DENSITY	N/A	EVAPORATION RATE	(n-BUTYL ACETATE=1) <1	SOLUBILITY IN WATER	35	%	REACTIVITY / HEAT IN WATER / EVOLUTION	LOW		
APPEARANCE & ODOR	WHITE POWDER; MILD ODOR									
FLASH POINT	NONE	FLAME EXTENSION	N/A in.	FLAMMABLE LIMITS IN AIR BY VOLUME	LOWER NONE	UPPER NONE	AUTO IGNITION TEMPERATURE	N/A	OF	
EXTINGUISHER MEDIA	CO2, FOAM, DRY CHEMICALS									
FIREFIGHTING	NONE									
SPECIAL PROCEDURES										
UNUSUAL FIRE AND EXPLOSION HAZARDS	NONE									

SECTION 4 PHYSICAL HAZARDS

STABILITY	STABLE	POLYMERIZATION	NONE	INCOMPATIBLE WITH	CONCENTRATED MINERAL ACIDS
DECOMPOSITION PRODUCTS	CO WITH INCOMPLETE COMBUSTION				

SECTION 5 HEALTH HAZARDS

PRIMARY ROUTES OF ENTRY	INHALATION YES	SKIN YES	INGESTION YES
SIGNS AND SYMPTOMS	CORROSIVE TO SKIN AND EYES DUSTS ARE CORROSIVE TO SKIN, EYES AND RESPIRATION		
OF OVEREXPOSURE	2. CHRONIC SAME AS ACUTE		

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE SENSITIVE SKIN

LISTED CARCINOGEN NONE NTP NO IARC NO OSHA NO

EMERGENCY AND FIRST AID PROCEDURES

1. INHALATION N/A IN NORMAL OPERATION

2. EYES FLUSH THOROUGHLY WITH FRESH WATER, GET MEDICAL ATTENTION

3. SKIN FLUSH WITH FRESH WATER, WASH WITH SOAP AND WATER
REMOVE CONTAMINATED CLOTHES AND SHOES

4. INGESTION GIVE MILK, WATER OR EGG WHITES
DO NOT INDUCE VOMITING, GET MEDICAL ATTENTION

SECTION 6 SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION	NONE	VENTILATION LOCAL	YES
VENTILATION MECHANICAL	NONE	SPECIAL	NONE
PROTECTIVE GLOVES	ALKALI RESISTANT WHEN HANDLING	FACE SHIELD	WHEN HANDLING
OTHER PROTECTIVE CLOTHING/EQUIPMENT	NONE		

SECTION 7 SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

HANDLING AND STORAGE PRECAUTIONS STORE IN DRY PLACE, KEEP COVER ON CONTAINER.

OTHER PRECAUTIONS VOLUNTARY; CAUTIONS ON CONTAINER LABEL. DOT CORROSIVE, NA 1760

IF MATERIAL IS RELEASED/SPILLED SWEEP UP OR FLUSH SMALL AMOUNTS TO DRAIN; COLLECT AND RETURN LARGE AMOUNTS TO CONTAINER.

WASTE DISPOSAL METHODS PH ADJUSTMENT; CONTAINS PHOSPHATES.
USE UNTIL LESS THAN 1 INCH REMAINS IN CONTAINER, EMPTY CONTAINER TRIPLE RINSE WITH WATER, DISPOSE TO INDUSTRIAL OR SANITARY SEWER REMOVE OR DEFACE LABEL BEFORE SELLING CONTAINER OR DISPOSAL



DuBOIS TOWER • CINCINNATI, OHIO 45202

ATTENTION: SAFETY DIRECTOR

Dear Customer:

The purpose of this letter is to briefly describe the requirements of the Federal OSHA's Hazard Communication Act as they apply to the chemical products that we sell to you. We also want to let you know how we are complying.

The OSHA standard as published in Title 29 CFR 1910.1200 mandates compliance with its labeling and Material Safety Data Sheet (MSDS) requirements by November 25, 1985. Under this standard, we must assess the hazards of each of the products that we sell to you. We must identify any hazardous ingredients in the product on its shipping container label. We must also prepare an MSDS containing detailed safety and health information concerning these hazardous ingredients for each product. Commencing on November 25, 1985, we must supply this MSDS to our customers in manufacturing industries, SIC Codes 20 through 39, either with the initial product shipment or send it under separate cover prior to or at the time of shipment. Since many of our customers are outside of the covered industries yet their employees have the same product exposure, we have elected to supply this information to all of our customers regardless of SIC Code category.

Accordingly, we are pleased to supply MSDS information for any products in the current shipment that are being shipped to you for the first time since the November 25, 1985 commencement date. Information for one such product is on the back side of this letter.

If you need additional copies, perhaps for other of your locations, please request them by writing to:

DuBois Chemicals
MSD Compliance Department
900 DuBois Tower
Cincinnati, OH 45202-3178

Our MSDS's contain useful health and safety precautions information to help you to set up your employee training program, which is to be in place by May 25, 1986. We also provide spill cleanup and disposal information on the MSDS's to assist you in complying with EPA's requirements.

If we can be of further service in this matter, do not hesitate to get in touch with us. We greatly appreciate our business relationship with you and look forward to continuing to serve your needs in the future.

Yours very truly,

DuBois Chemicals

