

MATERIAL SAFETY DATA SHEET

QUICK IDENTIFIER **L/S/R**

CUSTOMER NAME AND ADDRESS

SCHOOL CRAFT COMMUNITY COLLEGE
FOOD SERVICE DEPT
18500 JAGGERTY ROAD
LIVONIA, MI 48152

MANUFACTURER'S NAME & ADDRESS

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

EMERGENCY PHONE NO

513-769-4200

REFERENCE

B/L# 266702
INV# 01-7653

PREPARED BY W. J. CORBETT

ON 08/28/86

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

L/S/R

CODE 02791

CHEMICAL FAMILY LIQUID ACIDIC DESCALER

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

HYDROGEN CHLORIDE

<2

TLV C 5; PEL C 5

PPM

PHOSPHORIC ACID

<30

TLV 1; PEL 1; ST 3

MG/M3

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

BOILING POINT	215 °F	SPECIFIC GRAVITY	1.19	VAPOR PRESSURE	17.5 20	MMHg@ °C	VOLATILE BY VOLUME	60 %
VAPOR DENSITY	AIR = 1 N/A	EVAPORATION RATE (n-BUTYL ACETATE=1)	>1	SOLUBILITY IN WATER	100 %	REACTIVITY	HEAT EVOLUTION	NONE
APPEARANCE & ODOR	RED LIQUID; PUNGENT ODOR.							
FLASH POINT	NONE °F	FLAME EXTENSION	N/A in.	FLAMMABLE LIMITS IN AIR BY VOLUME	LOWER NONE	UPPER NONE	AUTO IGNITION TEMPERATURE	N/A °F
EXTINGUISHER MEDIA	CO2, FOAM							
FIREFIGHTING	NONE							
SPECIAL PROCEDURES								
UNUSUAL FIRE AND EXPLOSION HAZARDS	NONE							

SECTION 4 - PHYSICAL HAZARDS

STABILITY	STABLE	POLYMERIZATION	NONE	INCOMPATIBLE WITH	CONCENTRATED ALKALIS
DECOMPOSITION PRODUCTS	HCL, CO WITH INCOMPLETE COMBUSTION				

SECTION 5 - HEALTH HAZARDS

PRIMARY ROUTES OF ENTRY	INHALATION YES	SKIN NO	INGESTION YES
SIGNS AND SYMPTOMS OF OVEREXPOSURE	CORROSIVE TO SKIN AND EYES MISTS ARE CORROSIVE TO SKIN, EYES AND RESPIRATION 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: REMOVE TO FRESH AIR
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	NO
VENTILATION MECHANICAL	PRODUCING NORMAL AIR DILUTION	SPECIAL	NONE
PROTECTIVE GLOVES	ACID RESISTANT	EYE PROTECTION	GUGGLES WHEN POURING
OTHER PROTECTIVE CLOTHING/EQUIPMENT	NONE		

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

HANDLING AND STORAGE PRECAUTIONS	DO NOT PRESSURE CONTAINER TO EMPTY. KEEP FROM FREEZING/KEEP CAP ON CONTAINER.
OTHER PRECAUTIONS	DOT CORROSIVE NA 1789.
IF MATERIAL IS RELEASED/SPILLED	WIPE UP SMALL AMOUNTS. RESTRICT LARGE AMOUNTS AND NEUTRALIZE WITH BICARBONATE OF SODA: PUT RESIDUE INTO SOLID WASTE.
WASTE DISPOSAL METHODS	USE UNTIL LESS THAN 1 INCH REMAINS IN CONTAINER, EMPTY CONTAINER TRIPLE RINSE WITH WATER, ADD TO OPERATION REMOVE OR DEFACE LABEL BEFORE SELLING CONTAINER OR DISPOSAL