

MATERIAL SAFETY DATA SHEET

QUICK IDENTIFIER

LIQUA SAFE

CUSTOMER NAME AND ADDRESS

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

MANUFACTURER

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

EMERGENCY PHONE NO

513-769-4200

REFERENCE

B/L# 911449
INV# 01-75031

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

LIQUA SAFE

CODE 02858

CHEMICAL FAMILY **MACHINE DISHWASHING PRODUCT**

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

PRINCIPAL HAZARDOUS COMPONENT(S) CHEMICAL & COMMON NAME

POTASSIUM HYDROXIDE

%

<20

EXPOSURE LIMITS (TWA 8 HOUR UNLESS OTHERWISE SPECIFIED)

TLV C 2; PEL 2

UNITS

MG/M3

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

BOILING POINT	215 °F	SPECIFIC GRAVITY	1.30	VAPOR PRESSURE	17.5 20 °C	MMHg@ °C	VOLATILE BY VOLUME	70 %
VAPOR DENSITY	AIR = 1 N/A	EVAPORATION RATE (n-BUTYL ACETATE=1)	>1	SOLUBILITY IN WATER	100 %	REACTIVITY/HEAT IN WATER/ EVOLUTION	LOW	
APPEARANCE & ODOR	CLEAR, SLIGHTLY YELLOW LIQUID; CHLORINE 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	DOES NOT BURN							
FIREFIGHTING	KEEP COOL.							
SPECIAL PROCEDURES								
UNUSUAL FIRE AND EXPLOSION HAZARDS	NONE							

SECTION 4 - PHYSICAL HAZARDS

STABILITY	STABLE	POLYMERIZATION	NONE	INCOMPATIBLE WITH	MINERAL ACIDS RELEASE CHLORINE
DECOMPOSITION PRODUCTS	CL2				

SECTION 5 - HEALTH HAZARDS

PRIMARY ROUTES OF ENTRY	INHALATION YES	SKIN NO	INGESTION YES
SIGNS AND SYMPTOMS OF OVEREXPOSURE	1. ACUTE NAUSEA/CORROSIVE TO SKIN AND EYES MISTS ARE CORROSIVE TO SKIN, EYES AND RESPIRATION 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	NO	SPECIAL	
PROTECTIVE GLOVES	ALKALI RESISTANT	EYE PROTECTION	FACE SHIELD
OTHER PROTECTIVE CLOTHING/EQUIPMENT	NONE		

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

HANDLING AND STORAGE PRECAUTIONS	DO NOT PRESSURE CONTAINER TO EMPTY. IF FROZEN, THAW AND MIX TO MAKE USABLE. KEEP CONTAINER CLOSED.
OTHER PRECAUTIONS	DOT CORROSIVE V41791
IF MATERIAL IS RELEASED/SPILLED	FLUSH SMALL AMOUNTS TO DRAIN. COLLECT AND RETURN LARGE AMOUNTS TO CONTAINER.
WASTE DISPOSAL METHODS	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 CONTAINS PHOSPHATES