

FOX VALLEY CHEMICAL COMPANY

5201 MANN DRIVE - P.O. BOX 129
RINGWOOD, IL. 60072

ORIGINAL DATE 1993 REVISED 06-07-02
MATERIAL SAFETY DATA SHEET

FVC LIQUID 660

SECTION I - PRODUCT IDENTIFICATION

MANUFACTURER: FOX VALLEY CHEMICAL
INFORMATION: 815-653-2660
EMERGENCY #: 800-325-3699

HAZARD RATINGS:

PRODUCT CLASS: ENZYMES	4-EXTREME
TRADE NAME: FVC LIQUID 660	3-HIGH
PRODUCT CODE: H126600	2-MODERATE
CAS#: NONE	1-SLIGHT

FIRE - 0	HEALTH - 1
REACTIVE - 0	SPECIAL - 0

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENTS:	CAS #	WEIGHT %	EXPOSURE	LIMIT
ETHOXYLATED ALKYLPHENOL:	9016-45-9	10-15%		N/A
1,2BENZISOTHIAZOLLIN 3-1:	2534-33-5	LT	1%	N/A
SODIUM HYDROXIDE:	1310-73-2	LT	1%	2mg/m3
DIPROPYLENE GLYCOL:	25265-71-8	LT	1%	N/A
FRAGRANCE:	N/A	1- 2%		N/A
CHOLSTING AGENT:	64-02-8	1- 2%		N/A
VIABLE BACTERIAL CULTURES:	N/A	GT 85%		N/A
(LARGELY WATER)	7732-18-5		N/A	

***INGREDIENTS NOT PRECISELY IDENTIFIED ARE PROPRIETARY OR NON HAZARDOUS. ALL CHEMICAL INGREDIENTS APPEAR ON THE EPA TSCA INVENTORY. VALUES ARE NOT PRODUCT SPECIFICATIONS. GT=GREATER THAN LT=LESSTHAN NA= NOT AVAILABLE

SECTION III - PHYSICAL DATA

BOILING POINT: 100 DEGREES C.
VAPOR PRESSURE (mmHg @ 20C): EQUIV. TO WATER
VAPOR DENSITY (AIR=1): EQUIV. TO WATER
SOLUBILITY IN WATER: 99%
PH: 8.0 - 10.0
SPECIFIC GRAVITY: APPROXIMATELY 1.0
APPEARANCE & ODOR: WHITE TO OFF WHITE OPAQUE - LIQ. PERFUMED

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A LEL: N/A
FLAMMABILITY CLASS: N/A
EXTINGUISHING MEDIA: WATER SPRAY, CARBONDIOXIDE, and DRY CHEMICAL POWDER.
SPECIAL FIRE FIGHTING PROCEDURES: NOT DETERMINED
UNUSUAL FIRE & EXPLOSION HAZARDS: NONE KNOWN

SECTION V - HEALTH HAZARD DATA

GENERAL: LIMITED TOXICITY DATA ARE AVAILABLE ON THIS SPECIFIC PRODUCT. THIS HEALTH HAZARD

ASSESSMENT IS BASED ON THE RESULTS OF SCREENING TESTS.

INGESTION: NO EFFECT IF INGESTED IN SMALL AMOUNTS. RELATIVE TO OTHER MATERIALS A SINGLE DOSE OF THIS PRODUCT IS RARELY TOXIC BY INGESTION. IRRITATION OF THE MOUTH, PHARYNX, ESOPHAGUS AND STOMACH CAN DEVELOP FOLLOWING INGESTION.

EYE CONTACT: THIS MATERIAL MAY CAUSE EYE IRRITATION. ORGANISMS USED ARE NON-PATHOGENIC BUT CAN CAUSE INFECTION WHEN IN CONTACT WITH OPEN WOUNDS. THESE ORGANISMS ARE SUSCEPTIBLE TO MANY COMMONLY USED ANTIBIOTICS.

SKIN CONTACT: SLIGHT REDNESS ON HANDS AND FOREARMS IF INDIVIDUAL HAS A HISTORY OF DERMAL ALLERGIC REACTION. DERMATITIS AND SKIN SENSITIZATION CAN DEVELOP AFTER REPEATED AND/OR PROLONGED CONTACT WITH HUMAN SKIN.

SKIN ABSORPTION: SYSTEMICALLY TOXIC CONCENTRATIONS WILL PROBABLY NOT BE ABSORBED THROUGH THE SKIN IN MAN.

INHALATION: NONE KNOWN

OTHER EFFECTS OF OVEREXPOSURE: NONE KNOWN

FIRST AID:

SKIN CONTACT: REMOVE CONTAMINATED CLOTHING AND FOOTWEAR. WASH MATERIAL OFF THE SKIN WITH PLENTY OF SOAP AND WATER. WASH CLOTHING AND FOOTWEAR BEFORE RE-USE.

EYE CONTACT: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND HAVE EYES EXAMINED AND TREATED BY MEDICAL PERSONNEL.
INGESTION: DRINK WATER OR MILK TO DILUTE, INDUCE VOMITING ONLY IF ADVISED BY PHYSICIAN OR POISON CONTROL CENTER.

SECTION VI - REACTIVITY DATA

STABILITY: () UNSTABLE (X) STABLE
HAZARDOUS POLYMERIZATION () MAY OCCUR (X) WILL NOT OCCUR

INCOMPATIBILITY: STRONG ACIDS OR ALKALI COMPOUNDS MAY INACTIVATE BIOLOGICAL CULTURES.

CONDITIONS TO AVOID: NONE

HAZARDOUS DECOMPOSITION PRODUCTS: WILL NOT OCCUR

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: WHERE POSSIBLE, FLUSH DOWN DRAIN TO WASTE TREATMENT SEWER, OTHERWISE ON SMALL SPILLS, USE CHEMICAL ABSORBANT AND SWEEP UP. FOR LARGE SPILLS, CONTAIN AND COLLECT. WASTE DISPOSAL METHOD: DISPOSAL OF THIS PRODUCT OR ITS RESIDUES MUST BE IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS.

SECTION VIII - SPECIAL PROTECTION INFORMATION

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RESPIRATORY PROTECTION: NONE REQUIRED FOR RECOMMENDED USE. AVOID CREATING AEROSOLS IN POORLY VENTILATED AREAS.

PROTECTIVE CLOTHING: NONE

EYE PROTECTION: SAFETY GLASSES OR FACE SHIELD.

VENTILATION: NORMAL ROOM EXHAUST

OTHER PROTECTIVE EQUIPMENT: AS DETERMINED BY OR RECOMMENDED BY FEDERAL, STATE OR LOCAL REGULATIONS.

WORK/HYGIENIC PRACTICES: DO NOT EAT, SMOKE OR DRINK WHEN USING THIS PRODUCT. WASH HANDS THOROUGHLY AFTER USING OR HANDLING THIS PRODUCT.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: KEEP OUT OF THE REACH OF CHILDREN. KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE IN A COOL DRY PLACE. USE NORMAL GOOD HOUSEKEEPING PRACTICES. READ LABEL CAUTIONS AND DIRECTIONS BEFORE USE.

**PREVENT SKIN AND EYE CONTACT. WASH HANDS THOROUGHLY WITH SOAP AND WATER AFTER USE. AVOID CONTACT WITH EYES.

SECTION X DISCLAIMER OF LIABILITY

***DISCLAIMER OF LIABILITY-

THE INFORMATION CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE AND BELIEF ACCURATE. HOWEVER, SINCE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY USE OF THIS MATERIAL. ALL CHEMICALS MAY PRESENT UNKNOWN HEALTH HAZARDS AND SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS WHICH EXIST. FINAL DETERMINATION OF SUITABILITY OF THE CHEMICAL IS THE SOLE RESPONSIBILITY OF THE USER. USERS OF ANY CHEMICAL SHOULD SATISFY THEMSELVES THAT THE CONDITIONS AND METHODS OF USE ASSURE THAT THE CHEMICAL IS USED SAFELY. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN OR THE CHEMICAL TO WHICH THE INFORMATION REFERS. IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS. NOTHING CONTAINED HEREIN IS TO BE CONSTRUED AS A RECOMMENDATION FOR USE IN VIOLATION OF ANY PATENTS OR OF APPLICABLE LAWS OR REGULATIONS.