

# FOX VALLEY CHEMICAL COMPANY

5201 MANN DRIVE - P.O. BOX 129

RINGWOOD, IL. 60072

ORIGINAL DATE 04-18-94 REVISED 11-19-01

MATERIAL SAFETY DATA SHEET

## BIO-TECH 45 LIQUID

### SECTION I - PRODUCT IDENTIFICATION

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

PRODUCT CLASS: ENZYMES HAZARD RATINGS:  
TRADE NAME: BIO-TECH 45 LIQUID HEALTH - 1  
PRODUCT CODE: H124000 FIRE - 0  
C A S #: SEE BELOW REACTIVITY - 0

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENTS:	CAS #	WEIGHT	EXPOSURE	LIMIT
		%	ACGIH/TLV	OSHA/PEL
ETHOXYLATED ALKYLPHENOL	#9016-45-9	10-15%	NA	NA
1,2 BENZISOTHIASOLIN	3-1 2534-33-5	LT 1%	NA	NA
SODIUM HYDROXIDE	1310-73-2	LT 1%	1mg/m3	NA
DIPROPYLENE GLYCOL	25265-71-8	LT 1%	NA	NA
FRAGRANCE	NA	1 -2%	NA	NA
CHOLSTING AGENT	64-0208	1 -2%	NA	NA
VIABLE BACTERIAL CULTURES (LARGELY WATER)	NA 7732-18-5	1 -2%	NA	NA
		gt 85%	NA	NA

INGREDIENTS NOT PRECISELY IDENTIFIED ARE PROPRIETARY OR NONHAZARDOUS. ALL CHEMICAL INGREDIENTS APPEAR ON THE EPA TSCA INVENTORY. VALUES ARE NOT PRODUCT SPECIFICATIONS.  
gt = GREATER THAN, lt = LESS THAN, NA = NOT AVAILABLE

VAPOR PR./mm HG;

### SECTION III - PHYSICAL DATA

BOILING RANGE: 100 C.  
VAPOR DENSITY: (AIR=1): EQUIV. TO WATER  
EVAPORATION RATE:  
SOLUBILITY IN WATER: 99% WGT.PER GALLON:  
APPEARANCE: WHITE TO OFF WHITE OPAQUE LIQUID,  
PERFUMED.  
SPECIFIC GRAVITY: APPROXIMATELY 1.0

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASS: FLASH POINT: LEL:  
NO DATA

EXTINGUISHING MEDIA: WATER SPRAY, CARBON  
DIOXIDE, DRY CHEMICAL POWDER.

SPECIAL FIREFIGHTING PROCEDURES: NOT DETERMINED

UNUSUAL FIRE & EXPLOSION HAZARDS: NONE KNOWN

### SECTION V - HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LEVEL: 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.

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.

EFFECTS OF OVEREXPOSURE: NONE KNOWN

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:  
CARCINOGENICITY: ( ) OSHA ( ) NTP ( ) IARC

EMERGENCY PROCEDURES:

FIRST AID:

INHALATION: NONE KNOWN

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

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. CALL POISON CONTROL CENTER.

### SECTION VI - REACTIVITY DATA

STABILITY: ( ) UNSTABLE (X) STABLE UNDER NORMAL

CONDITIONS.

HAZARDOUS POLYMERIZATION: ( ) MAY OCCUR (X) WILL NOT OCCUR

INCOMPATIBILITY: STRONG ACIDS OR ALKALI

COMPOUNDS MAY INACTIVATE BIOLOGICAL CULTURES.

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CONDITIONS TO AVOID:

HAZARDOUS DECOMPOSITION PRODUCTS: NONE

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### 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 LARGER 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.

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### SECTION VIII - SPECIAL PROTECTION INFORMATION

TLV OR SUGGESTED CONTROL VALUE: NO TLV ASSIGNED TO THIS MIXTURE. CONTROL OF EXPOSURE TO BELOW THE TLV FOR THE INGREDIENTS (SEE SECTION II) WILL BE SUFFICIENT. MINIMIZE EXPOSURE IN ACCORDANCE WITH GOOD HYGIENE PRACTICE. TO MAINTAIN SHELF LIFE, AVOID PROLONGED EXPOSURE TO HIGH OR LOW TEMPERATURES AND HUMIDITY. AVOID TEMPS ABOVE 110 F. AND KEEP FROM FREEZING.

ASSPIRATORY PROTECTION: NONE REQUIRE FOR RECOMMENDED USE, AVOID CREATING AEROSOLS IN POORLY VENTILATED AREAS.

VENTILATION: NORMAL ROOM VENTILATION

PROTECTIVE GLOVES: NONE

EYE PROTECTION: SAFETY GLASSES OR FACE SHIELD.

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

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### SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: PREVENT SKIN AND EYE CONTACT. WASH HANDS THOROUGHLY WITH SOAP AND WATER AFTER USE. AVOID CONTACT WITH EYES.

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