

FOX VALLEY CHEMICAL COMPANY

5201 MANN DRIVE - P.O. BOX 129

RINGWOOD, IL. 60072

ORIGINAL DATE 10-01-80 REVISED 01-06-03

MATERIAL SAFETY DATA SHEET

TEMPO

SECTION I - PRODUCT IDENTIFICATION

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

HAZARD RATINGS:

4 - EXTREME

3 - HIGH

2 - MODERATE

1 - SLIGHT

0 - INSIGNIFICANT

PRODUCT CLASS: FLOOR FINISH

TRADE NAME: TEMPO

PRODUCT CODE: F120000

CAS#: SEE BELOW

SECTION II - HAZARDOUS INGREDIENTS

A HAZARD EVALUATION OF THIS PRODUCT HAS BEEN PERFORMED. THE COMPONENTS LISTED BELOW ARE IDENTIFIED AS HAZARDOUS CHEMICALS UNDER THE CRITERIA OF THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).

INGREDIENTS:	CAS #	APPROX. %
DIETHYLENE GLYCOL NONOETHYL ETHER		
2-(2ETHOXYETHOXY) ETHANOL-----	111-90-0	5 - 10%
ZINC AMMONIUM CARBONATE Compound--	38714-47-5	5 - 5%
TRIBUTOXYETHYL PHOSPHATE-----	78-51-3	1 - 5%
FORMALDEHYDE-----	50-00-0	0.001 %

SECTION III - PHYSICAL DATA

%NON-VOLATILES (BY WEIGHT): 15 - 25%

pH: 7 - 10

EVAPORATION RATE (nBUTYL ACETATE=1): <1

VAPOR DENSITY (AIR =1): >1

SOLUBILITY IN WATER: DISPERSIBLE

VAPOR PRESSURE (mmHg @ 25C): NOT ESTABLISHED

SPECIFIC GRAVITY (WATER =1): 1.03

APPROX. BOILING POINT: O F, -18C

NOTE: THE PHYSICAL DATA PRESENTED ABOVE ARE TYPICAL VALUES AND SHOULD NOT BE CONSTRUED AS A SPECIFICATION.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NOT APPLICABLE

TEST METHOD: SETAFLASH CLOSED CUP

EXPLOSIVE LIMITS: LEL (%) - NOT APPLICABLE

EXTINGUISHING MEDIA: THIS IS A WATER BASED PRODUCT AND IS NOT EXPECTED TO BURN UNTIL ALL THE WATER HAS BOILED AWAY. THE RESIDUAL SOLIDS AND/OR PRODUCT CONTAINER MAY SUPPORT COMBUSTION. USE WATER, FOAM, DRY CHEMICAL OR CARBON DIOXIDE.

SPECIAL FIRE FIGHTING PROCEDURES & PRECAUTIONS: FIRE FIGHTERS AND OTHERS WHO MAY BE EXPOSED TO THE PRODUCTS OF COMBUSTION SHOULD BE EQUIPPED WITH NIOSH APPROVED POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND FULL

PROTECTIVE CLOTHING.

UNUSUAL FIRE & EXPLOSION HAZARDS: NONE KNOWN

SECTION V - HEALTH HAZARD DATA

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: FLUSH EYES WITH WATER FOR AT LEAST 15 MIN. IF IRRITATION DEVELOPS, CONSULT A PHYSICIAN.

SKIN CONTACT: REMOVE CONTAMINATED CLOTHING AND SHOES. WASH AFFECTED AREA WITH SOAP AND WATER. IF IRRITATION DEVELOPS, CONSULT A PHYSICIAN. WASH CONTAMINATED CLOTHING SEPARATELY BEFORE RE-USE.

INHALATION: REMOVE TO FRESH AIR. IF SYMPTOMS DEVELOP, SEEK IMMEDIATE MEDICAL ATTENTION. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH TO MOUTH.

INGESTION: SEEK MEDICAL ATTENTION. UNLESS ADVISED OTHER-WISE, INDUCE VOMITING BY GIVING EITHER SYRUP OF IPECAC FOLLOWED BY 2 GLASSES OF WATER, OR BY STICKING FINGER DOWN THROAT.

***DO NOT GIVE ANYTHING BY MOUTH IF THE PERSON IS DROWSY, UNCONSCIOUS, OR HAS NO GAG REFLEX.

***NOTE TO PHYSICIAN: TREATMENT SHOULD BE DIRECTED AT PREVENTING ABSORPTION, ADMINISTERING TO THE SYMPTOMS AS THEY OCCUR, AND PROVIDING SUPPORTIVE THERAPY.

HEALTH EFFECTS-

PRIMARY ROUTE(S) OF EXPOSURE: EYES-YES SKIN-YES INHALATION-YES

EYE CONTACT CAN CAUSE MILD TO MODERATE IRRITATION. THE SEVERITY OF REACTION DEPENDS ON DURATION OF EXPOSURE AND FIRST AID PROCEDURES ADMINISTERED.

SKIN CONTACT: IRRITATION CAN OCCUR FOLLOWING PROLONGED OR REPEATED CONTACT.

INHALATION: CAN CAUSE IRRITATION TO THE NOSE, THROAT, AND UPPER RESPIRATORY TRACT.

INGESTION: CAN CAUSE NAUSEA, VOMITING, AND GASTROINTESTINAL UPSET.

ADDITIONAL EFFECTS: DEPENDING ON THE ROUTE, FREQUENCY, AND DURATION OF EXPOSURE, TOXICITY MAY EFFECT IN THE FOLLOWING ORGANS AND/OR SYSTEMS: CENTRAL AND/OR PERIPHERAL NERVOUS SYSTEM.

AGGRAVATION OF EXISTING CONDITIONS: EXPOSURE TO THIS PRODUCT IS NOT EXPECTED TO CONTRIBUTE TO, WORSEN, OR AGGRAVATE ANY EXISTING MEDICAL CONDITIONS.

SECTION VI - REACTIVITY DATA

STABILITY: () UNSTABLE (X) STABLE

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

CONDITIONS TO AVOID: NONE KNOWN

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THERMAL DECOMPOSITION PRODUCTS: IF HEATED TO HIGH TEMPERATURES, THIS PRODUCT MAY EMIT THE FOLLOWING COMPOUNDS: SMOKE - SOOT - TOXIC FUMES (eg: CARBON DIOXIDE).

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: STOP DISCHARGE, IF IT CAN BE PERFORMED SAFELY, AND CONTAIN MATERIAL. IF A SUBSTANTIAL QUANTITY IS SPILLED, RECOVER WITH PUMP OR VACUUM TRUCK. EXPLOSION-PROOF EQUIPMENT SHOULD BE USED IF THIS PRODUCT IS FLAMMABLE OR COMBUSTIBLE (SEE SECTION VII). OTHERWISE, USE AN ABSORBENT SUCH AS FULLER'S EARTH, CLAY OR OTHER APPROPRIATE SYNTHETIC ABSORBENT. PLACE CONTAMINATED MATERIAL IN A SUITABLE CONTAINER FOR DISPOSAL. APPROPRIATE SAFETY MEASURES AND PROTECTIVE EQUIPMENT SHOULD BE USED (SEE SECTION VI).

DO NOT FLUSH INTO SEWER, STREAM OR OTHER BODIES OF WATER.

PRECAUTIONS: IF THE AIRBORNE CONCENTRATION EXCEED ESTABLISHED EXPOSURE LIMITS (TLV OR PEL), IF HIGH AIRBORNE CONCENTRATION OCCURS, EVACUATE EMPLOYEES AND VENTILATE THE AREA. A SUPPLIED AIR RESPIRATOR OR SELF CONTAINED BREATHING APPARATUS (SCBA) SHOULD BE USED FOR ENTRY INTO ENCLOSED SPACES, OR IN AREAS WITH INADEQUATE VENTILATION.

WASTE DISPOSAL METHOD: OBSERVE ALL FEDERAL, STATE, AND LOCAL REGULATIONS REGARDING PROPER DISPOSAL. IF DISCHARGED IN ITS ORIGINAL UNUSED FORM, THIS PRODUCT SHOULD BE MANAGED (STORED/TREATED/DISPOSED/ETC...) AT AN AUTHORIZED FACILITY, IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL AGENCIES IF FURTHER DISPOSAL GUIDANCE IS REQUIRED OF THE METHODS OF DISPOSAL CURRENTLY AVAILABLE, IT IS RECOMMENDED THAT AN ALTERNATIVE BE SELECTED ACCORDING TO THE FOLLOWING ORDER OF PREFERENCE BASED UPON ENVIRONMENTAL ACCEPTABILITY.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: WHEN AIRBORNE CONCENTRATIONS ARE EXCESSIVE, WEAR NIOSH/MSHA APPROVED EQUIPMENT. DETERMINE THE APPROPRIATE TYPE BY CONSULTING THE RESPIRATOR MANUFACTURER. OBSERVE THE RESPIRATOR USE LIMITATIONS SPECIFIED BY NIOSH/MSHA OR THE MANUFACTURER.

PROTECTIVE CLOTHING: RECOMMENDED

EYE PROTECTION: GLASSES WITH SIDE SHIELDS

VENTILATION: MINIMIZE EXPOSURE BY PROVIDING ADEQUATE VENTILATION. GENERAL (DILUTION)

VENTILATION MAY BE ACCEPTABLE. HOWEVER, LOCAL EXHAUST VENTILATION IS RECOMMENDED WHEN VAPORS, MIST, OR DUSTS CAN BE RELEASED.

PERSONAL HYGIENE: WASH THOROUGHLY AFTER HANDLING, ESPECIALLY BEFORE EATING, DRINKING, SMOKING OR USING REST ROOM FACILITIES. WASH CONTAMINATED GOGGLES, FACE SHIELD AND GLOVES.

PAGE - 2

PROFESSIONALLY LAUNDRER CONTAMINATED CLOTHING. DISCARD CONTAMINATED SHOES.

AIRBORNE EXPOSURE LIMITS:

FORMALDEHYDE: ACGIH TLV-TWA: 1 ppm 1.2 mg/m³

STEL: 2 ppm 2.5 mg/m³

OSHA PEL: 0.75 ppm

STEL: 2 ppm

OSHA: 0.5 ppm ACTION LEVEL

SECTION IX - TOXICOLOGIC INFORMATION

THE INFORMATION IN THIS SECTION, THOUGH DETAILED, CAN BE SUBJECT TO MISINTERPRETATION. THEREFORE, IT IS ESSENTIAL THE FOLLOWING INFORMATION BE INTERPRETED BY INDIVIDUALS TRAINED IN ITS EVALUATION.

DIETHYLENE GLYCOL MONOETHYL ETHER:

TOXIC EFFECTS: MILD SKIN AND EYE IRRITANT. MAY BE ABSORBED THROUGH THE SKIN. INGESTION CAN CAUSE NAUSEA, VOMITING, ABDOMINAL PAIN AND HEADACHE, POSSIBLY CENTRAL NERVOUS SYSTEM DEPRESSION.

ZINC AMMONIUM CARBONATE COMPOUND:

TOXIC EFFECTS: POSSIBLE EYE AND SKIN IRRITANT
CARCINOGENICITY: LISTED BY: ACGIH-NO OSHA-NO

IARC MONOGRAPHS-NO NTP ANNUAL REPORT-NO

TRIBUTOXYETHYL PHOSPHATE:

TOXIC EFFECTS: LIQUID AND MIST CONTACTING THE SKIN IRRITATION FOLLOWING PROLONGED CONTACT. INGESTION MAY CAUSE GASTROINTESTINAL IRRITATION. INHALATION OF MIST CAN BE IRRITATING TO THE NOSE, THROAT, AND UPPER RESPIRATORY TRACT.

FORMALDEHYDE:

TOXIC EFFECTS: LIQUID CONTACTING THE EYES CAN PRODUCE SEVERE IRRITATION AND PERMANENT CORNEAL OPACIFICATION-VAPORS ARE ALSO IRRITATING. PROLONGED OR REPEATED SKIN CONTACT, CAN CAUSE DRYNESS, CRACKING, AND POSSIBLY FIRST TO SECOND DEGREE BURNS. INGESTION CAUSES SEVERE IRRITATION TO THE MOUTH, THROAT, AND

GASTROINTESTINAL TRACT, PRODUCING NAUSEA, VOMITING AND SEVERE ABDOMINAL PAIN.

FORMALDEHYDE IS A RESPIRATORY IRRITANT AND CAN PRODUCE SERIOUS INJURY, INCLUDING PULMONARY EDEMA. FORMALDEHYDE IS ALSO A RESPIRATORY AND SKIN SENSITIZER.

SECTION X USER'S RESPONSIBILITY

A BULLETIN SUCH AS THIS CANNOT BE EXPECTED TO COVER ALL POSSIBLE INDIVIDUAL SITUATIONS. AS THE USER HAS THE RESPONSIBILITY TO PROVIDE A SAFE WORK PLACE. ALL ASPECTS OF AN INDIVIDUAL

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OPERATION SHOULD BE EXAMINED TO DETERMINE IF, OR WHERE PRECAUTIONS IN ADDITION TO THOSE DESCRIBED HEREIN ARE REQUIRED. ANY HEALTH HAZARD AND SAFETY INFORMATION CONTAINED HEREIN SHOULD BE PASSED ON TO YOUR CUSTOMERS OR EMPLOYEES, AS THE CASE MAY BE.

***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.

PAGE - 3