

FOX VALLEY CHEMICAL COMPANY

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

ORIGINAL DATE 04-18-94 REVISED 06-21-02
MATERIAL SAFETY DATA SHEET

IMAGE 5000

SECTION I - PRODUCT IDENTIFICATION

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

PRODUCT CLASS: RESTORATION BASE	RATINGS
TRADE NAME: IMAGE 5000	4-EXTREME
PRODUCT CODE: B245000	3-HIGH
CAS#: SEE BELOW	2-MODERATE
	1-SLIGHT
	0-INSIGNIFICANT

FIRE - 2 HEALTH - 1 REACTIVE - 0 SPECIAL - 0

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENTS:	CAS #	WEIGHT	EXPOSURE LIMIT
		%	ACGIH/TLV OSHA/PEL
ISOPROPYL ALCOHOL	67-63-0	5-10%	
DIETHYLENE GLYCOL	111-77-3	1-5%	
ETHER/2-(2-METHOXYETHOXY) ETHANOL			

SECTION III - PHYSICAL DATA

%NON-VOLATILES (BY WEIGHT): 3
PH: 8
VAPOR DENSITY (AIR=1): NOT ESTABLISHED
SOLUBILITY IN WATER: MISCIBLE
EVAPORATION RATE (n-BUTYL ACETATE=1): < 1
VAPOR PRESSURE (mmHg @ 25 DEGREES C): NOT ESTABLISHED
SPECIFIC GRAVITY (WATER=1): 1
APPROXIMATE BOILING POINT: NOT ESTABLISHED
SUPPLEMENTAL SECTION 11 INFORMATION: VOC (MATERIAL)= 70g/L
APPEARANCE & ODOR: LIGHT EMULSION, SLIGHT ALCOHOL ODOR.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASS: FLASH POINT: LEL:
105 F, 41 C NOT ESTABLISHED

AUTOIGNITION TEMPERATURE: NOT ESTABLISHED
EXTINGUISHING MEDIA: SMALL FIRES-USE WATER (SPRAY, FOG, OR IN SOME INSTANCES, STREAM), FOAM, DRY CHEMICAL, OR CARBON DIOXIDE.
SPECIAL FIRE FIGHTING PROCEDURES: FIRE FIGHTERS AND OTHERS WHOM MY 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: WHEN EXPOSED TO FLAMES OR HIGH TEMPERATURES ENCOUNTERED

DURING FIRE CONDITIONS, SEALED CONTAINERS MAY RUPTURE BECAUSE OF THE BUILD UP OF INTERNAL PRESSURE. COOL CONTAINERS WITH WATER.

SECTION V - HEALTH HAZARD DATA

FIRST AID

INHALATION: REMOVE TO FRESH AIR. IF SYMPTOMS DEVELOP, SEEK IMMEDIATE MEDICAL ATTENTION. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH TO MOUTH.
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 REUSE.
EYE CONTACT: FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES. IF IRRITATION DEVELOPS CONSULT A PHYSICIAN.
INGESTION: SEEK MEDICAL ATTENTION. UNLESS ADVISED OTHERWISE, INDUCE VOMITING BY GIVING EITHER SYRUP OF IPECAC FOLLOWED BY 2 GLASSES OF WATER OR BY STICKING FINGER DOWN THROAT.
****NOTE TO PHYSICIAN: TREATMENT SHOULD BE DIRECTED AT PREVENTING ABSORPTION, ADMINISTERING TO THE SYMPTOMS AS THEY OCCUR, AND PROVIDING SUPPORTIVE THERAPY.
HEALTH EFFECTS:
EYE CONTACT: CAN CAUSE MILD TO MODERATE IRRITATION. CORNEAL OPACIFICATION AND VASULARIZATION CAN OCCUR. THE SEVERITY OF REACTION DEPENDS ON DURATION OF EXPOSURE AND FIRST AID PROCEDURES ADMINISTERED.
SKIN CONTACT: IRRITATION CAN OCCUR FOLLOWING PROLONGED OR REPEATED CONTACT. CAN BE ABSORBED THROUGH THE SKIN.
INHALATION: CAN BE IRRITATING TO MUCOUS MEMBRANES, ESPECIALLY FOLLOWING PROLONGED EXPOSURE TO MISTS AND/OR VAPORS.
INGESTION: INGESTION CAN CAUSE MILD TO MODERATE IRRITATION OF THE MOUTH, THROAT, AND ESOPHAGUS. CAN CAUSE NAUSEA, VOMITING AND GASTROINTESTINAL UPSET.
ADDITIONAL EFFECTS (TARGET ORGANS): CENTRAL AND/OR PERIPHERAL NERVOUS SYSTEM. EYE & SKIN.
TOXICOLOGIC INFORMATION: ISPPORPYL ALCOHOL TOXIC EFFECTS: VAPORS AND LIQUID ARE IRRITATING TO THE EYES. SLIGHTLY IRRITATING TO THE SKIN. HOWEVER, PROLONGED OR REPEATED CONTACT CAN CAUSE DERMATITIS. CAN BE ABSORBED. LARGE QUANTITIES CAUSE CNS DEPRESSION. INGESTION OR INHALATION CAN PRODUCE THE FOLLOWING EFFECTS:

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CNS DEPRESSION, INCOORDINATION, NAUSEA,
NOARCOSIS, AND COMA.

ACUTE TOXICITY STUDIES:

ORAL RAT	LD50: 5045 mg/kg
ORAL DOG	LD50: 4797 mg/kg
ORAL MOUSE	LD50: 3600 mg/kg
DERMAL RABBIT	LD50: 12,800 mg/kg
INHALATION RAT	LC50: 12,000 ppm/8 hrs.

OTHER TOXICITY STUDIES: ISOPROPYL ALCOHOL HAS
BEEN FOUND TO BE MUTAGENIC IN YEAST.
CARCINOGENCITY - LISTED BY: ACGIH - NO OSHA - NO
IARC MONOGRAPHS - NO NTP ANNUAL REPORT - NO

DIETHYLENE GLYCOL MONOMETHYL ETHER:

TOXIC EFFECTS: CONTACT WITH THE EYES MAY CAUSE
IRRITATION.

ACUTE TOXICITY STUDIES:

ORAL RAT	LD50: 7,128 mg/kg
ORAL MOUSE	LD50: 7,128 mg/kg
ORAL RABBIT	LD50: 7,190 mg/kg
DERMAL RABBIT	LD50: 9,404 mg/kg

OTHER TOXICITY STUDIES: STUDIES IN Experimental
ANIMALS HAVE PRODUCED DAMAGE TO THE SPERM
PRODUCING CELLS OF THE TESTICLES IN MALES GIVEN
HIGH ORAL DOSES FOR 6 WEEKS. NO SIGNIFICANT
FINDINGS WERE OBSERVED AT THE LOWER DOSES.
CARCINOGENICITY - LISTED BY: ACGIH - NO OSHA - NO
IARC MONOGRAPHS - NO NTP ANNUAL REPORT - NO

SECTION VI - REACTIVITY DATA

STABILITY: () UNSTABLE (X) STABLE

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

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR
SPILLED:

WASTE DISPOSAL METHOD:

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: WHEN ESTABLISHED

AIRBORNE EXPOSURE LIMITS ARE SURPASSED (SEE
AIRBORNE EXPOSURE LIMITS IN THIS SECTION), WEAR
NIOSH/MSHA APPROVED EQUIPMENT. DETERMINE THE
APPROPRIATE TYPE EQUIPMENT FOR SPECIFIC
APPLICATION BY CONSULTING THE RESPIRATOR
MANUFACTURER. OBSERVE THE RESPIRATOR USE
LIMITATIONS SPECIFIED BY NIOSH/MSHA OR THE
MANUFACTURES.

VENTILATION: MAINTAIN AIRBORNE CONCENTRATIONS
BELOW THE ESTABLISHED EXPOSURE LIMITS (SEE
AIRBORNE EXPOSURE LIMITS IN THIS SECTION), GENERAL
(DILUTION) VENTILATION MAY BE ACCEPTABLE,
HOWEVER, LOCAL EXHAUST VENTILATION IS

RECOMMENDED WHEN VAPORS, MISTS, OR DUSTS CAN BE
RELEASED.

EYE PROTECTION: WEAR CHEMICAL SPLASH GOGGLES OR
SAFETY GLASSES WITH SIDE SHIELDS. AN EYE WASH
FACILITY SHOULD BE READILY AVAILABLE.

SKIN PROTECTION: WEAR PROTECTIVE CLOTHING AND
APPROPRIATE IMPERVIOUS GLOVES, BECAUSE A VARIETY
OF PROTECTIVE GLOVES EXIST, ALWAYS CONSULT
GLOVE MANUFACTURER TO DETERMINE THE PROPER
TYPE FOR SPECIFIC OPERATION.

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

AIRBORNE EXPOSURE LIMITS:

ISOPROPYL ALCOHOL:

ACGIH TLV-TWA: 400ppm 985 mg/m3

STEL: 500ppm 1230 mg/m3

OSHA PEL: 400ppm 980 mg/m3

STEL: 500ppm 1225 mg/m3

DIETHYLENE GLYCOL NONOMETHYL ETHER:

ACGIH TLV-TWA: NOT ESTABLISHED

OSHA PEL: NOT ESTABLISHED

SECTION IX - SPECIAL PRECAUTIONS

CONTAINERS USE PROCEDURES: CONTAINERS SHOULD
BE SUPPORTED AND GROUNDED BEFORE OPENING,
DISPENSING, MIXING, POURING, AND EMPTYING. OPEN
WITH NON-SPARKING TOOLS. IF THE CONTAINER IS
WARM, OPEN BUNG SLOWLY TO RELEASE INTERNAL
PRESSURE.

EMPTY CONTAINER PRECAUTIONS: THIS CONTAINER IS
HAZARDOUS WHEN EMPTY. DO NOT USE HEAT, SPARKS,
OPEN FLAMES, TORCHES, OR CIGARETTES ON OR NEAR
EMPTY CONTAINER. EMPTY CONTAINERS CAN RETAIN
PRODUCT RESIDUES. DO NOT REUSE EMPTY CONTAINER
FOR FOOD, CLOTHING, OR PRODUCTS FOR HUMAN OR
ANIMAL CONSUMPTION OR WHERE SKIN CONTACT MAY
OCCUR.

DOT SHIPPING NAME: FLAMMABLE LIQUIDS,
N.O.S.(ISOPROPNOL)

DOT IDENTIFICATION NO: UN 1993

DOT LABELS REQUIRED:

FREIGHT DESCRIPTION:

OTHER PRECAUTIONS:

***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

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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.

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