

FOX VALLEY CHEMICAL COMPANY

5201 MANN DRIVE - P.O. BOX 129

RINGWOOD, IL. 60072

ORIGINAL DATE 03-09-99 REVISED 07-01-03

MATERIAL SAFETY DATA SHEET

GRAFFITTI REMOVER 2000

SECTION I - PRODUCT IDENTIFICATION

MANUFACTURER: FOX VALLEY CHEMICAL

INFORMATION: 815-653-2660

EMERGENCY #: 800-325-3699

PRODUCT CLASS: BLEND HAZARD RATINGS:

TRADE NAME: GRAFFITTI 4-EXTREME

REMOVER 3-HIGH

PRODUCT CODE: P790025 2-MODERATE

1-SLIGHT

0-INSIGNIFICANT

FIRE - 0 HEALTH - 3 REACTIVE - 0 SPECIAL - 0

SECTION II - A HAZARDOUS COMPONENTS

NO	COMPONENT	% BY WEIGHT
1	GLYCOL ETHER	5 - 10
2	GLYCOL ETHER	15 - 20
3	HYDROTROPE	1 - 5
4	TERPENE SOLVENT	10 - 15
5	CYCLIC KETONE	10 - 15
6	ALKALI	5 - 10
7	SURFACTANT	5 - 10
8	ESTER MIX	10 - 15

NONE OF THE COMPONENTS OF THIS PRODUCT ARE RECOGNIZED AS CARCINOGENIC.

SECTION II-B OCCUPATIONAL EXPOSURE LIMITS

NO	(OSHA) PEL/TWA	PEL/CEILING
1	100.000ppm	N/E
2	100.000ppm	N/E
3	N/E	N/E
4	N/E	N/E
5	N/E	N/E
6	N/E	2,000mg/m ³
7	NONE	N/E
8	N/E	N/E

NO	(OSHA) PEL/STEL	SKIN*
1	150.000ppm	N
2	150.000ppm	Y
3	N/E	N/E
4	N/E	N/E
5	N/E	N
6	N/E	N
7	N/E	N
8	N/E	N/E

NO	(ACGIH) TLV/TWA	TLV/CEILING
1	100.000ppm	N/E
2	100.000ppm	N/E
3	N/E	N/E
4	N/E	N/E

5	N/E	N/E
6	N/E	2,000mg/m ³
7	NONE	N/E

8	N/E	N/E
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NO	(ACGIH) TLV/STEL	SKIN*
1	150.000ppm	N
2	150.000ppm	Y
3	N/E	N/E
4	N/E	N/E
5	N/E	N
6	N/E	N
7	N/E	N
8	N/E	N/E

MANUFACTURER EXPOSURE LIMITS FOR COMPONENT 8: N/E

- (SKIN) ABSORPTION MAY CONTRIBUTE TO THE OVERALL EXPOSURE TO THIS MATERIAL. TAKE APPROPRIATE MEASURES TO PREVENT SKIN CONTACT.

(Y = YES N = NO N/E = NOT ESTABLISHED)

SECTION III PHYSICAL DATA

BOILING POINT: 212 (DEGREES F)

EVAPORATION RATE: < 1 (ether=1) % solid 9.53 (theoretical)

VAPOR DENSITY: > 1 (AIR =1) Weight per/gal: 8.37 (theoretical)

(Boiling point represents boiling point of lowest boiling raw material)

SECTION IV - HEALTH INFORMATION

EYE CONTACT: BASED ON THE PRESENCE OF COMPONENT 6 PRODUCT IS PRESUMED TO BE CORROSIVE TO THE EYES. EXPOSURE MAY CAUSE CHEMICAL BURNS AND EXTENSIVE CORNEAL INJURY. BASED ON THE PRESENCE OF COMPONENTS 1, 4, 5 AND 8 PRODUCT VAPOR AND/OR MISTS MAY ALSO BE IRRITATING TO THE EYES.

SKIN CONTACT: BASED ON THE PRESENCE OF COMPONENT 6 PRODUCT IS PRESUMED TO BE CORROSIVE TO THE SKIN AND EXPOSURE MAY CAUSE CHEMICAL BURNS. BASED ON THE PRESENCE OF COMPONENTS 1 AND 5 ABSORPTION THROUGH THE SKIN MAY RESULT IN SYMPTOMS OF EXPOSURE AS THOSE DESCRIBED FOR INHALATION AND INGESTION. BASED ON THE PRESENCE OF COMPONENTS 4 AND 7 PROLONGED OR REPEATED CONTACT MAY RESULT IN DEFATTING AND DRYING OF THE SKIN WHICH MAY RESULT IN DERMATITIS.

INHALATION: BASED ON THE PRESENCE OF COMPONENT 6 PRODUCT VAPORS AND/OR MISTS ARE CORROSIVE TO THE NOSE, THROAT, RESPIRATORY TRACT, AND OTHER MUCOUS MEMBRANES. OVEREXPOSURE MAY RESULT IN CHEMICAL PNEUMONITIS OR PULMONARY EDEMA WHICH

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ARE POTENTIALLY FATAL. BASED ON THE PRESENCE OF COMPONENTS 1, 4 AND 7 EXPOSURE TO HIGH CONCENTRATIONS OF VAPOR MAY PRODUCE CENTRAL NERVOUS SYSTEM DEPRESSION.

INGESTION: BASED ON THE PRESENCE OF COMPONENT 6 PRODUCT IS CORROSIVE AND MAY CAUSE CHEMICAL BURNS TO THE GASTROINTESTINAL TRACT.

SIGNS AND SYMPTOMS: SYMPTOMS OF EYE IRRITATION INCLUDE PAIN, TEARING, REDDENING AND SWELLING. SYMPTOMS OF SKIN IRRITATION INCLUDE REDDENING, SWELLING, RASH AND REDNESS. SYMPTOMS OF RESPIRATORY IRRITATION INCLUDE RUNNY NOSE, SORE THROAT, COUGHING, CHEST DISCOMFORT, SHORTNESS OF BREATH AND REDUCED LUNG FUNCTION. SYMPTOMS OF GASTROINTESTINAL IRRITATION INCLUDE SORE THROAT, ABDOMINAL PAIN, NAUSEA, VOMITING AND DIARRHEA.

AGGRAVATED MEDICAL CONDITIONS: PRE-EXISTING SKIN, EYE AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THE PRODUCT. IMPAIRED KIDNEY FUNCTIONS FROM PRE-EXISTING DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

OTHER HEALTH EFFECTS: BASED ON THE PRESENCE OF COMPONENT 7 TRACE LEVELS ($\ll 0.1$) OF ETHYLENE OXIDE, A SUSPECT CARCINOGEN, MAY BE PRESENT FROM THE PRODUCTION OF THIS PRODUCT. BASED ON THE PRESENCE OF COMPONENT 5 IN EXPERIMENTAL ANIMALS, NMP HAS BEEN SHOWN TO PRODUCE REPRODUCTIVE AND DEVELOPMENTAL EFFECTS AT VERY HIGH, MATERNALLY TOXIC DOSES. THESE OBSERVATIONS ARE NOT THOUGHT TO BE RELEVANT TO OCCUPATIONAL USE OF NMP.

SECTION V EMERGENCY & FIRST AID PROCEDURES

EYE CONTACT: IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. SEEK PROMPT MEDICAL ATTENTION.

SKIN CONTACT: IMMEDIATELY REMOVE CONTAMINATED CLOTHING AND SHOES. WIPE EXCESS FROM SKIN AND FLUSH WITH WATER FOR AT LEAST 15 MINUTES USING SOAP IF AVAILABLE. SEEK PROMPT MEDICAL ATTENTION. DO NOT REUSE CLOTHING UNTIL THOROUGHLY DECONTAMINATED.

INHALATION: REMOVE VICTIM TO FRESH AIR AND TREAT SYMPTOMATICALLY. PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF THE VICTIM IS NOT BREATHING. SEEK PROMPT MEDICAL ATTENTION.

INGESTION: DO NOT INDUCE VOMITING. VOMITING WILL CAUSE FURTHER DAMAGE TO THE THROAT. DILUTE BY GIVING WATER OR MILK TO DRINK IF THE VICTIM IS CONSCIOUS. CONSULT A PHYSICIAN, HOSPITAL OR POISON CONTROL CENTER AND/OR TRANSPORT TO AN EMERGENCY FACILITY IMMEDIATELY.

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NOTES FOR PHYSICIAN: THE FOLLOWING COMPONENT - SPECIFIC INFORMATION MAY CONTAIN CONTRADICTIONS, AND IS INTENTIONALLY INCLUDED TO GIVE THE ATTENDING PHYSICIAN SPECIFIC INFORMATION ABOUT THE INDIVIDUAL COMPONENTS OF THE BLEND. >>COMPONENTS 1, 2, 5, 6 AND 8 MAY CAUSE SEVERE, PERMANENT DAMAGE IF ASPIRATED AND VOMITING SHOULD NOT BE INDUCED.

SECTION VI FIRE AND EXPLOSION HAZARDS

FLASHPOINT: >200 DEGREES F. TCC

EXTINGUISHING MEDIA: USE WATER FOG, FOAM, DRY CHEMICAL OR CARBON DIOXIDE.

SPECIAL FIRE FIGHTING PROCEDURES AND

PRECAUTION: CLEAR FIRE AREA OF UNPROTECTED PERSONNEL. DO NOT ENTER CONFINED FIRE SPACE WITHOUT HELMET, FACE SHIELD, BUNKER COAT, GLOVES, RUBBER BOOTS, AND A POSITIVE PRESSURE NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

CONTAINERS EXPOSED TO INTENSE HEAT FROM FIRES SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILDUP WHICH COULD RESULT IN CONTAINER RUPTURE. CONTAINERS THAT ARE EXPOSED TO DIRECT FLAME SHOULD BE COOLED WITH WATER TO ELIMINATE STRUCTURAL WEAKENING OF THE CONTAINER'S WALL AND POSSIBLE RUPTURE.

SECTION VII REACTIVITY

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS AND MATERIALS TO AVOID: BASED ON THE PRESENCE OF COMPONENTS 1, 2, 3, 4, 5, 7 AND 8 AVOID OXIDIZING MATERIALS. BASED ON THE PRESENCE OF COMPONENT 8 AVOID STRONG ACIDS. BASED ON THE PRESENCE OF COMPONENT 6 AVOID ALUMINUM AND ITS ALLOYS. BASED ON THE PRESENCE OF COMPONENT 8 AVOID ALKALINE MATERIALS. BASED ON THE PRESENCE OF COMPONENT 6 AVOID CONTACT WITH ZINC. BASED ON THE PRESENCE OF COMPONENT 6 AVOID BRASS. BASED ON THE PRESENCE OF COMPONENT 8 AVOID

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ALKALINE MATERIALS. BASED ON THE PRESENCE OF COMPONENT 6 AVOID AMINES, POLYAMINES, AND POLYAMIDES UNDER UNCONTROLLED CONDITIONS.

HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES AND COMPOUNDS OF NITROGEN, OXIDES AND COMPOUNDS OF SULFUR, CARBON DIOXIDE, CARBON MONOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED DURING COMBUSTION.

EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. WE ASSUME NO RESPONSIBILITY FOR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HERIN.

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SECTION VIII EMPLOYEE PROTECTION

RESPIRATORY PROTECTION: USE VENTILATION AS REQUIRED TO CONTROL VAPOR CONCENTRATIONS – AT LEAST 10 AIR CHANGES PER HOUR ARE RECOMMENDED FOR GOOD GENERAL ROOM VENTILATION. IF EXPOSURE EXCEEDS THE PEL/TLV. USE THE APPROPRIATE NIOSH-APPROVED RESPIRATOR.

PROTECTIVE CLOTHING: WEAR SAFETY GLASSES, GOGGLES, OR A SPLASH SHIELD TO PREVENT EYE CONTACT. CONTACT LENSES SHOULD NOT BE WORN. WEAR APPROPRIATE GLOVES AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND CLOTHING

ADDITIONAL PROTECTIVE MEASURES: EYE WASH FOUNTAINS AND SAFETY SHOWERS SHOULD BE AVAILABLE FOR USE IN AN EMERGENCY.

SECTION IX ENVIRONMENTAL PROTECTION

SPILL OR LEAK PROCEDURES: LARGE SPILLS >> EVACUATE THE HAZARD AREA OF UNPROTECTED PERSONNEL. WEAR APPROPRIATE RESPIRATOR AND PROTECTIVE CLOTHING. SHUT OFF SOURCE OF LEAK ONLY IF SAFE TO DO SO. DIKE AND CONTAIN. IF VAPOR CLOUD FORMS, WATER FOG MAY BE USED TO SUPPRESS. CONTAIN RUN-OFF. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSELS. SOAK UP RESIDUE WITH AN ABSORBENT SUCH AS CLAY, SAND OR OTHER SUITABLE MATERIAL. PLACE IN NON-LEAKING CONTAINERS FOR PROPER DISPOSAL. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE. DISPOSE OF FLUSH SOLUTIONS AS ABOVE. SMALL SPILLS>> TAKE UP WITH AN ABSORBENT MATERIAL AND PLACE IN NON-LEAKING CONTAINERS. SEAL TIGHTLY FOR PROPER DISPOSAL.

WASTE DISPOSAL: OBSERVE ALL FEDERAL, STATE, AND LOCAL REGULATIONS REGARDING PROPER DISPOSAL.

SECTION X ADDITIONAL PRECAUTIONS

AFTER CONTACT WITH PRODUCT OR CONTAINER WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES.

THE INFORMATION CONTAINED HERIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT. HOWEVER, WE MAKE NO WARRANTY,