

PRODUCT NAME: CRYSTAL VEIL, FLAT MATTE RESIN SPRAY
PRODUCT CLASS: ACRYLIC RESIN SPRAY, NON-GLOSS
PRODUCT NUMBER: 04022
DESCRIPTION: 12.5 OZ. NET (354 grams) AEROSOL CAN

SECTION I - MANUFACTURER IDENTIFICATION

ENVIRONMENTAL TECHNOLOGY, INC.
300 SOUTH BAY DEPOT ROAD
FIELDS LANDING, CA 95537

DEPARTMENT OF TRANSPORTATION INFORMATION:

PROPER SHIPPING NAME: CONSUMER COMMODITY

PROPER CLASS:

ORM-D

PHONE NUMBER FOR INFORMATION:

(707) 443-9323

TRANSPORTATION EMERGENCY PHONE NUMBER:

CHEMTREC (800) 424-9300

DATE PREPARED: 01/31/02

PREPARED BY: TECHNICAL DIRECTOR

HMIS HAZARD RATINGS:

HEALTH: 2	FIRE: 4	REACTIVITY: 1	PERSONAL PROTECTION: X
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N.A. = Not Applicable N.D. = Not Determined (Not Available) N.E. = Not Established

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

INGREDIENTS WHICH ARE HAZARDOUS CHEMICALS, ACCORDING TO OSHA (29 CFR 1910.1200), ARE LISTED AT 1% OR ABOVE. CARCINOGEN ARE LISTED WHEN AT 0.1% OR GREATER. THESE INGREDIENTS ARE SUBJECT TO SARA, SECTIONS 311 AND 312.

Item #). ACGIH OSHA, 1910.1000 Table Z-2 (11/93)

Chemical Name	CAS#	Wt. %	TLV	PEL-TWA	Vapor Pressure
1). XYLENE	1330-20-7	22	100 PPM	100 PPM	5.1 MM HG @68°F
2). ACETONE	67-64-1	38	750 PPM	750 PPM	185.5 MM HG @60°F
3). PROPANE	74-98-6	15	1000 PPM	1000 PPM	108 PSIG @70°F
4). N-BUTANE	106-97-8	5	600 PPM	600 PPM	17 PSIG @70°F
5). ISOBUTANE	75-28-5	<5	800 PPM	800 PPM	31 PSIG @70°F
6). PROPYLENE GLYCOL METHYL ETHER ACETATE	108-65-6	<5	N.E.	N.E.	2.4 MM HG @68°F

NOTES: 1). XYLENE: OSHA/ ACGIH SHORT TERM EXPOSURE LIMIT (STEL) IS 150 PPM . NIOSH RECOMMENDS A LIMIT OF 100 PPM, 8 HOUR TWA ; 200 PPM CEILING FOR A DURATION OF 10 MINUTES. 2). ACETONE: OSHA/ ACGIH (STEL) IS 1000 PPM.

XYLENE AND ACETONE ARE TOXIC CHEMICALS SUBJECT TO REPORTING REQUIREMENTS OF SARA SECTION 313 TITLE III AND 40 CFR PART 372. XYLENE(RQ =1000) AND ACETONE(RQ =5000) ARE HAZARDOUS SUBSTANCES SUBJECT TO **CERCLA**, AND SARA SECTION 304 SPILL REPORTING. 6). PROPYLENE GLYCOL METHYL ETHER ACETATE NO EXPOSURE STANDARDS HAVE BEEN ESTABLISHED FOR THIS PRODUCT, AIR CONTAMINANT CONCENTRATIONS MUST BE MAINTAINED AT LOWEST POSSIBLE LEVELS.

THIS PRODUCT CONTAINS NO CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, OR CAUSE BIRTH DEFECTS AND OTHER REPRODUCTIVE HARM.

CANCER INFORMATION: SEE SECTION VI, CARCINOGENICITY.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

AS SUPPLIED IN THE AEROSOL CAN.

MELTING POINT °F: **N.D.**

BOILING RANGE: -13°F TO 302°F

APPEARANCE AND ODOR: CLEAR SPRAY WITH AROMATIC, AND KETONE SOLVENT ODORS.

SOLUBILITY IN WATER: INSOLUBLE.

EVAPORATION RATE (BUTYL ACETATE =1): >1, FASTER THAN BUTYL ACETATE.

VOC GRAMS/LITER: 660

VOC LBS/GAL: 5.51

VAPOR DENSITY (AIR =1): >1, HEAVIER THAN AIR. VAPOR PRESSURE(**PSIG @ 70°F**): <77

PERCENT VOLATILE BY VOLUME: 92.85%

PERCENT VOLATILE BY WEIGHT: 87.24%

SPECIFIC GRAVITY: 0.7 g/cc

DENSITY: 5.83 LBS./ GAL.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): -14.8°F, (TCC).

FLAMMABLE LIMITS: LEL: 1.0% UEL: 12.8%

AUTO IGNITION TEMPERATURE, °F: **N.D.**

EXTINGUISHING MEDIA: X FOAM, X ALCOHOL FOAM, X CO2, X DRY CHEMICAL, X WATER SPRAY, X OTHER (HALON).

SPECIAL FIRE FIGHTING PROCEDURES: IF PRODUCT IS PRESENT IN THE FIRE AND THE THREAT OF DECOMPOSITION EXIST, WEAR SELF CONTAINED POSITIVE PRESSURE BREATHING APPARATUS WITH FULL FACE PIECE. DURING EMERGENCY CONDITIONS, OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE HEALTH HAZARDS. SYMPTOMS MAY NOT BE IMMEDIATELY APPARENT. OBTAIN MEDICAL ATTENTION. WATER SPRAY MAY BE INEFFECTIVE, WATER SPRAY MAY BE USED TO COOL CONTAINERS EXPOSED TO HEAT OR FIRE TO PREVENT RUPTURES DUE TO PRESSURE BUILD UP.

UNUSUAL FIRE AND EXPLOSION HAZARDS: CLOSED AEROSOL CONTAINERS MAY EXPLODE DUE TO BUILD UP OF PRESSURE WHEN EXPOSED TO EXTREME HEAT OR FIRE. AEROSOL CONTENTS IS EXTREMELY FLAMMABLE.

SECTION V - REACTIVITY DATA

STABILITY: ___ UNSTABLE X STABLE

CONDITIONS TO AVOID: TEMPERATURES OVER 120°F. STRONG OXIDIZING CHEMICALS. OPEN FLAMES AND HOT SURFACES.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE. IRRITATING ALDEHYDES AND KETONES.

HAZARDOUS POLYMERIZATION ___ MAY OCCUR X MAY NOT OCCUR.

CONDITIONS TO AVOID UNCONTROLLED POLYMERIZATION: **N.A.**

SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: INHALATION? **YES** SKIN? **YES** EYE? **YES** INGESTION? **NOT LIKELY**

WARNINGS: VAPORS HARMFUL. USE ONLY IN ADEQUATE VENTILATED AREAS. KEEP AWAY FROM CHILDREN. DO NOT TAKE INTERNALLY. AVOID CONTACT WITH EYES AND SKIN. WILL CAUSE EYE AND MUCOUS MEMBRANE IRRITATION. MAY CAUSE SKIN IRRITATION. WASH WITH WATER AFTER USE.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

INHALATION : DIZZINESS, HEADACHE, NAUSEA, DIFFICULTY BREATHING, WEAKNESS, FATIGUE, CONFUSION, AND UNCONSCIOUSNESS.

SKIN CONTACT: IRRITATION, DRYNESS, AND FLAKING.

SKIN CONTACT: IRRITATION, REDNESS, OR EYE WATERING.

INGESTION: IRRITATION, NAUSEA, AND VOMITING. ASPIRATION (LIQUID ENTERS THE LUNGS) OF VOMIT CAN CAUSE CHEMICAL PNEUMONITIS, WHICH CAN BE FATAL.

EMERGENCY AND FIRST AID PROCEDURES:

NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

EYE CONTACT: FLUSH WITH POTABLE WATER OR STERILE EYE BUFFER. HOLD EYELIDS OPEN TO ASSURE COMPLETE FLUSHING. CONTACT A PHYSICIAN IMMEDIATELY.

SKIN CONTACT: WASH AREA THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PERSISTS, CONTACT A PHYSICIAN.

INHALATION: LEAVE THE AREA TO OBTAIN FRESH AIR. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION THEN OXYGEN IF NEEDED. IF DIFFICULTY BREATHING OR OTHER SYMPTOMS CONTINUE, CALL A PHYSICIAN IMMEDIATELY.

INGESTION: DO NOT INDUCE VOMITING. CALL A PHYSICIAN IMMEDIATELY, OR THE POISON CONTROL CENTER.

IF ANY SYMPTOMS PERSIST CONTACT A PHYSICIAN

HEALTH HAZARD, ACUTE:

INHALATION: INHALATION OF VAPORS MAY CAUSE IRRITATION TO THE RESPIRATORY TRACT. MAY AFFECT THE BRAIN AND THE CENTRAL NERVOUS SYSTEM CAUSING: DIZZINESS, HEADACHE, NAUSEA, DIFFICULTY BREATHING, WEAKNESS, FATIGUE, UNCONSCIOUSNESS AND EVEN RESPIRATORY ARREST.

SKIN CONTACT: IRRITATION, FLAKING, AND DRYNESS.

EYE CONTACT: PRIMARY IRRITANT, MAY CAUSE SLIGHT CORNEAL INJURY, DAMAGE REVERSIBLE WITH PROMPT FIRST AID.

INGESTION: IRRITATION, NAUSEA, DIARRHEA, AND VOMITING. ASPIRATION (LIQUID ENTERS THE LUNGS) OF VOMIT CAN CAUSE CHEMICAL PNEUMONITIS, WHICH CAN BE FATAL.

HEALTH HAZARDS, CHRONIC, (TARGET ORGANS): OBSERVATIONS IN ANIMALS INCLUDE LIVER AND KIDNEY DAMAGE. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

CARCINOGENICITY: THIS PRODUCT DOES NOT CONTAIN ANY RECOGNIZED CARCINOGEN. FOR HAZARD COMMUNICATION PURPOSES UNDER OSHA STANDARD 29 CFR PART 1910. NONE OF THE PRODUCTS INGREDIENTS ARE FOUND ON THE FOLLOWING LISTS.

METHYLENE CHLORIDE IS NOT BELIEVED TO POSE A MEASURABLE CARCINOGENIC RISK TO MAN WHEN HANDLED AS RECOMMENDED. ONE OF THE PRODUCTS INGREDIENTS: METHYLENE CHLORIDE IS FOUND ON THE FOLLOWING LISTS.

NTP: NO IARC: NO Federal OSHA: NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: PERSONS WITH PRE-EXISTING LUNG DISORDERS MAY BE MORE SUSCEPTIBLE TO IRRITATING EFFECTS. EXPOSURE MAY AGGRAVATE PRE-EXISTING DISORDERS OF THIS ORGANS: KIDNEY DAMAGE; MILD AND REVERSIBLE LIVER EFFECTS; EFFECTS ON HEARING: CARDIAC SENSITIZATION.

SECTION VII -SPILL, LEAK, AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: EVACUATE AREA. ELIMINATE SOURCES OF IGNITION. USE PROTECTIVE EQUIPMENT AND RESPIRATORY PROTECTION AS STATED IN SECTION VIII. CONTAIN LIQUID OR CONTAMINATED WASH WATER SPILLS USING A BARRIER OF INERT MATERIAL SUCH AS SAND OR BY DIKING THE AREA. ABSORB SPILLED OR CONTAMINATED WASH WATER WITH AN INERT MATERIAL. SCOOP OR SHOVEL ABSORBED MATERIAL INTO CONTAINERS FOR DISPOSAL. PREVENT SPILLED PRODUCT OR CONTAMINATED WASH WATER FROM ENTERING DRINKING WATER SUPPLIES, STREAMS, OR SEWERS. CERTAIN RELEASES OF ANY SUBSTANCE TO THE ENVIRONMENT ARE PROHIBITED BY LAW AND MAY REQUIRE REPORTING TO AN ENVIRONMENTAL AGENCY.

WASTE DISPOSAL METHOD: NO DISPOSAL METHOD SHOULD BE USED WHICH WOULD POSE AN ENVIRONMENTAL OR HUMAN HEALTH THREAT INCLUDING ANY WHICH WOULD CONTAMINATE GROUND OR SURFACE WATERS. DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED AEROSOL CONTAINERS. **CANADA:** DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, PROVINCIAL AND NATIONAL REGULATIONS.

SECTION VIII- PRECAUTIONS FOR SAFE HANDLING AND USE

PRECAUTIONS: EXTREMELY FLAMMABLE, ELIMINATE IGNITION SOURCES,(FLAMES, ELECTRIC MOTORS, PILOT LIGHTS, STOVES, HEATERS), VAPORS MAY TRAVEL SOME DISTANCE ALONG THE GROUND, OR ON A SURFACE TO AN IGNITION SOURCE. USE ONLY IN VENTILATED AREAS. MAINTAIN ATMOSPHERIC LEVELS BELOW THE EXPOSURE GUIDELINES. TO AVOID BREATHING VAPORS AND SPRAY MIST DURING APPLICATION AND DRYING PROCESS USE THIS PRODUCT OUTDOORS, IF POSSIBLE. IF YOU MUST USE IT INDOORS USE LOCAL EXHAUST VENTILATION OR OTHER MEANS TO PROVIDE FRESH AIR, OPENING WINDOWS AND DOORS TO ACHIEVE CROSS-VENTILATION. DO NOT USE IN CONFINED OR POORLY VENTILATED AREAS. CONCENTRATED VAPORS ARE HEAVIER THEN AIR AND WILL COLLECT IN LOW AREAS, (BASEMENTS), AND MAY CAUSE UNCONSCIOUSNESS AND DEATH. REPLACE CAP, AND STORE IN UPRIGHT POSITION IN A COOL, DRY, AND WELL VENTILATED AREA.

OTHER PRECAUTIONS: DO NOT PUNCTURE CAN, CONTENTS WILL DISCHARGE. DO NOT PLACE CAN IN A TRASH COMPACTORS. "EMPTY" CANS CONTAIN PRODUCT RESIDUE (LIQUID AND/ OR VAPOR) AND CAN BE DANGEROUS. DUST FROM SANDING DRY PAINT FILMS SHOULD BE TREATED AS NUISANCE DUST, TLV OF 10 MG./CU. METER.

MECHANICAL (GENERAL) VENTILATION: PROVIDE SUFFICIENT EXPLOSION PROOF MECHANICAL VENTILATION TO REMOVE VAPORS TO LEVELS BELOW THE EXPOSURE GUIDELINES. THE NEED FOR FUME HOODS, LOCAL EXHAUST, OR SPRAY BOOTHS SHOULD BE CONSIDERED FOR COMMERCIAL OPERATIONS.

SPECIAL VENTILATION: LOCAL EXHAUST IF NECESSARY TO VENTILATE SPILL AREA.

RESPIRATORY PROTECTION: MAINTAIN ATMOSPHERIC LEVELS BELOW THE EXPOSURE GUIDELINES. USE AN APPROVED AIR PURIFYING ORGANIC VAPOR RESPIRATOR, (TYPE NIOSH/MSHA TC-23C), OR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS, SCBA, WHEN RESPIRATORY PROTECTION IS REQUIRED BY ATMOSPHERIC LEVELS EXCEEDING THE EXPOSURE GUIDELINES.

PROTECTIVE GLOVES: AVOID CONTACT WITH SKIN. SOLVENT IMPERVIOUS RUBBER GLOVES ARE RECOMMENDED.

EYE PROTECTION: AVOID CONTACT WITH EYES. APPROVED SAFETY GLASSES WITH SPLASH GUARDS OR GOGGLES ARE REQUIRED.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: IMPERVIOUS CLOTHING, FOOT WARE, AND SYNTHETIC APRON TO PREVENT SKIN CONTACT ARE RECOMMENDED. PROVIDE NEARBY SAFETY SHOWERS AND EYE WASHING (PREFERABLY FULL FACE) FACILITIES.

WORK/HYGIENIC PRACTICES: WASH THOROUGHLY AFTER HANDLING. CLEAN UP SPILLS. WASH CONTAMINATED CLOTHES BEFORE REUSE. LAUNDRY WORK CLOTHES SEPARATE FROM FAMILY CLOTHES. CHECK PROTECTIVE EQUIPMENT AND CLOTHING BEFORE USE.

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