

PRODUCT NAME: CRYSTAL VEIL HIGH GLOSS
PRODUCT CLASS: ACRYLIC RESIN SPRAY
PRODUCT NUMBER: 04006
DESCRIPTION: 11 OZ. NET (311 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: 0	PERSONAL PROTECTION: X
-----------	---------	------------------	------------------------

N.A. = Not Applicable N.D. = Not Determined (Not Available)

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	Ceiling	Peak	Duration	Vapor Pressure
1). TOLUENE	108-88-3	46	100 PPM	100 PPM	300 PPM	500 PPM	10 Min.	22 mm Hg @68°F
2). METHYLENE CHLORIDE	75-09-2	15	50 PPM	500 PPM	1000 PPM	2000 PPM	5 Min./2 Hr.	355 mm Hg @68°F
3). PROPANE	74-98-6	13.9	1000 PPM	1000 PPM	N.A.	N.A.	N.A.	108 PSIG @70°F
4). N-BUTANE	106-97-8	9.8	600 PPM	600 PPM	N.A.	N.A.	N.A.	17 PSIG @70°F
5). ISOBUTANE	75-28-5	4.3	800 PPM	800 PPM	N.A.	N.A.	N.A.	31 PSIG @70°F

TOLUENE, AND METHYLENE CHLORIDE ARE TOXIC CHEMICALS SUBJECT TO REPORTING REQUIREMENTS OF SARA SECTION 313 TITLE III AND 40 CFR PART 372.). TOLUENE(RQ = 1000 LBS), AND METHYLENE CHLORIDE(RQ = 1000 LBS) ARE HAZARDOUS SUBSTANCES SUBJECT TO CERCLA, AND SARA SECTION 304 SPILL REPORTING.

WARNING: THIS PRODUCT CONTAINS METHYLENE CHLORIDE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

WARNING: THIS PRODUCT CONTAINS TOLUENE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR 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: -44°F TO 232°F
APPEARANCE AND ODOR: CLEAR SPRAY WITH AROMATIC SOLVENT ODOR.
SOLUBILITY IN WATER: INSOLUBLE.
EVAPORATION RATE (BUTYL ACETATE =1): >1, FASTER THAN BUTYL ACETATE.

VOC GRAMS/LITER: 624	VOC LBS/GAL: 5.21
VAPOR DENSITY (AIR =1): >1, HEAVIER THAN AIR.	VAPOR PRESSURE(PSIG @ 70°F): 70
PERCENT VOLATILE BY VOLUME: 90.1%	PERCENT VOLATILE BY WEIGHT: 89%
SPECIFIC GRAVITY: 0.84 g/cc	DENSITY: 7.04 LBS./ GAL.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): -156°F, (SETAFLASH).
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: 1.2 UEL: 12.0
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, HYDROGEN CHLORIDE, SMALL AMOUNTS OF PHOSGENE AND CHLORINE. 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** 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, CHERRY-PINK SKIN, 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. METHYLENE CHLORIDE IS METABOLIZED BY THE BODY TO CARBON MONOXIDE WHICH REDUCE THE BLOOD'S OXYGEN CARRYING CAPACITY. MINIMAL ANESTHETIC OR NARCOTIC EFFECT MAY BE SEEN IN THE RANGE OF 500-1000 PPM, METHYLENE CHLORIDE. PROGRESSIVELY HIGHER LEVELS OVER 1000 PPM CAUSES DIZZINESS, DRUNKENNESS AND AS LOW AS 10,000 PPM UNCONSCIOUSNESS AND DEATH. EXPOSURE TO LEVELS OF OVER 1000 PPM MAY ALSO CAUSE CARDIAC ARRHYTHMIA (IRREGULAR HEARTBEATS).

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): EXCESSIVE EXPOSURE MAY CAUSE CARBOXYHEMOGLOBINEMIA, THEREBY IMPAIRING THE BLOOD'S ABILITY TO TRANSPORT OXYGEN. EXCESSIVE EXPOSURE MAY CAUSE HARM TO THE CENTRAL NERVOUS SYSTEM, PERIPHERAL NEUROPATHY (INJURY TO THE NERVES OF THE EXTREMITIES). 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: FOR HAZARD COMMUNICATION PURPOSES UNDER OSHA STANDARD 29 CFR PART 1910.1200, METHYLENE CHLORIDE HAS BEEN LISTED AS POTENTIAL CARCINOGEN BY IARC AND NTP. METHYLENE CHLORIDE HAS BEEN SHOWN TO INCREASE THE RATE OF SPONTANEOUSLY OCCURRING MALIGNANT TUMORS IN THE B6C3F1 MOUSE AND BENIGN TUMORS IN LABORATORY RATS. OTHER ANIMAL STUDIES, AS WELL AS SEVERAL HUMAN EPIDEMIOLOGY STUDIES, FAILED TO SHOW A TUMORIGENIC RESPONSE.

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: YES IARC: YES Federal OSHA: YES

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: PERSONS WITH PRE-EXISTING LUNG DISORDERS MAY BE MORE SUSCEPTIBLE TO IRRITATING EFFECTS. PERSONS WITH A HISTORY OF HEART TROUBLE, OR CHRONIC LUNG DISEASE MAY BE EFFECTED BY THE BLOOD'S REDUCED OXYGEN CARRYING CAPACITY. EXPOSURE TO LEVELS OF OVER 1000 PPM MAY ALSO CAUSE CARDIAC ARRHYTHMIA (IRREGULAR HEARTBEATS).

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 IN TO CONTAINERS. SWEEP OR SHOVEL SPILLED SOLID MATERIAL IN TO 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 TO BE TAKEN IN HANDLING AND STORING: 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 CAN 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 RESPIRATOR OR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS, SCBA, WHEN RESPIRATORY PROTECTION IS REQUIRED BY ATMOSPHERIC LEVELS EXCEEDING THE EXPOSURE GUIDELINES.

PROTECTIVE GLOVES: 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.

Disclaimer: All information, recommendations, and suggestions appearing herein concerning our product are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity, and suitability for his or her own use of the product described herein. Since the actual use by others is beyond Environmental Technology, Inc.'s control, no guarantee, expressed or implied, is made by Environmental Technology, Inc. as to the effects of such use, the results to be obtained, or the safety and toxicity of the product.