

# MATERIAL SAFETY DATA SHEET

Fox Valley Systems, Inc  
640 Industrial Dr.  
Cary, IL 60013

Phone: 847-639-5744  
Fax: 847-639-8190  
Prepared: 23-Apr-2009

## SECTION I: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Easy Marker White  
SYNONYMS: Power Paint Cartridge White, Marking Paint White  
PRODUCT CODES: ETCW3D  
MANUFACTURER: Fox Valley Systems, Inc  
ADDRESS: 640 Industrial Dr, Cary, IL 60013  
INFORMATION PHONE: 1-847-639-5744  
INFOTRAC PHONE: 1-800-535-5053, 1-352-323-3500 (IF OUTSIDE U.S.A)  
FAX PHONE: 1-847-639-8190  
PRODUCT USE: Ground Marking  
PREPARED BY: Fox Valley Systems, Inc

## SECTION II: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No.	% by Wt.	ACGIH® TLVs®	OSHA PELs	NIOSH RELs	EC No.
			TWA mg/m <sup>3</sup>	TWA mg/m <sup>3</sup>	TWA mg/m <sup>3</sup>	
Ethylbenzene	100-41-4	1-2%	434	435	435	202-849-4
IsoButane	75-28-5	15-20%	1000	N/E	1900	200-857-2
Propane	74-98-6	10-20%	1000	1800	1800	200-827-9
Toluene	108-88-3	20-30%	75	750	190	203-625-9
VM&P Naptha	64742-89-8	5-12%	100	N/E	N/E	265-192-2
Xylene	1330-20-7	3-8%	434	435	435	215-535-7

## SECTION III: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Contents under pressure. Harmful if inhaled. May affect the brain or nervous system causing dizziness, headache or nausea. Vapors may cause flash fire or explosion. Extremely flammable liquid and vapor. Harmful if swallowed

ROUTES OF ENTRY: INHALATION of vapor or spray mist  
EYE OR SKIN contact with the product vapor or spray mist.

### POTENTIAL HEALTH EFFECTS

EYES: Irritation

SKIN: Prolonged or repeated exposure may cause irritation

INGESTION: Swallowing may cause abdominal spasms and other symptoms that parallel over-exposure from inhalation. Aspiration of material into the lungs can cause chemical pneumonitis, which may be fatal.

INHALATION: Inhalation may cause irritation of the upper respiratory tract. Symptoms of overexposure may include fatigue, confusion, headache, dizziness and drowsiness. Peculiar skin sensations (e. g. pins and needles) or numbness may be produced. Very high concentrations may cause unconsciousness and death.

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## SECTION III: HAZARDS IDENTIFICATION, CONT.

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### CHRONIC HEALTH HAZARDS

Overexposure to Toluene in laboratory animals has been associated with liver abnormalities, kidney, lung and spleen damage. Effects in humans due to chronic overexposure, have included liver and cardiac abnormalities.

Overexposure to Xylene in laboratory animals has been associated with liver abnormalities, kidney, lung, spleen eye and blood damage as well as reproductive disorders. Effects in humans due to chronic overexposure, have included liver, cardiac abnormalities and nervous system disorders.

Overexposure to Ethylbenzene may cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion and blurred vision) and/or damage. Reports have associated repeated and prolonged occupational overexposure to Ethylbenzene with permanent brain and nervous system damage.

### CARCINOGENICITY

IARC: Ethylbenzene is listed as a possible human carcinogen (2B) based on laboratory animal studies.

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## SECTION VI: FIRST AID MEASURES

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**EYES:** Hold eyes open and flush with large amounts of water for 15 minutes. Get medical attention.

**SKIN:** Wash affected area with soap and water. Get medical attention if irritation or rash develops. Remove contaminated clothing and launder before re-use.

**INGESTION:** Aspiration hazard. Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention.

**INHALATION:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. CALL A PHYSICIAN IMMEDIATELY.

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## SECTION V: FIRE-FIGHTING MEASURES

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**FLASH POINT:** -156° F

**UPPER EXPLOSIVE LIMIT:** 9.8%  
**LOWER EXPLOSIVE LIMIT:** 1.8%

**EXTINGUISHING MEDIA:** Dry Chemical, Carbon Dioxide, Water Fog or Spray

**SPECIAL FIRE FIGHTING PROCEDURES:** Full protective equipment including self-contained breathing apparatus should be used.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Perforation of pressurized containers may cause bursting of the containers. Closed containers may explode when exposed to extreme heat. Flash point is less than -20° F. Extremely flammable liquid and vapor.

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## SECTION VI: ACCIDENTAL RELEASE MEASURES

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ACCIDENTAL RELEASE MEASURES: Steps should be taken in case material is released or spilled. Remove all sources of ignition. Ventilate the area. Remove with inert absorbent.

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## SECTION VII: HANDLING AND STORAGE

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HANDLING AND STORAGE: Use only in a well ventilated area. Avoid breathing mist or vapor. Do not smoke. Extinguish all flames, pilot lights and heaters. Turn off stoves electric tools and appliances and any other sources of ignition.

Do not store above 120°F. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Contents under pressure.

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## SECTION VIII: EXPOSURE CONTROLS/PERSONAL PROTECTION

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ENGINEERING CONTROLS: Prevent build-up of vapors by opening all doors and windows to achieve cross ventilation.

VENTILATION : A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

RESPIRATORY PROTECTION: If the exposure limit is exceeded and engineering controls are not feasible, a half-face organic vapor respirator may be worn for up to ten times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece organic vapor respirator may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

SKIN PROTECTION: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

EXPOSURE GUIDELINES: See section II

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## SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE: Liquid  
ODOR: Solvent Like  
PHYSICAL STATE: Liquid  
pH AS SUPPLIED: Not Available  
BOILING POINT: <0 - 325°F  
MELTING POINT: Not Available  
FREEZING POINT: Not Available  
VAPOR DENSITY (AIR = 1): Heavier than air  
EVAPORATION RATE: Faster than Ether  
SOLUBILITY IN WATER: Not Available  
VOLATILE ORGANIC COMPOUNDS(VOC): <66% by Weight

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## SECTION X: STABILITY AND REACTIVITY

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STABILITY: Stable under normal storage conditions.  
CONDITIONS TO AVOID (STABILITY): Avoid temperature above 120°F. Avoid possible sources of ignition.  
INCOMPATIBILITY (MATERIAL TO AVOID): None Known  
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: When heated to decomposition, it emits acrid smoke and irritating fumes. By fire, Carbon Monoxide and Carbon Dioxide.  
HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

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## SECTION XI: TOXICOLOGICAL INFORMATION

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Ingredient	CAS No.	LD50	Animal,Route	LC50	Exposure	Animal,Route
Ethylbenzene	100-41-4	3500 mg/kg	Oral, Rat			
IsoButane	75-28-5					
Propane	74-98-6					
Toluene	108-88-3	636 mg/kg	Oral, Rat	4000 ppm	4 hr	Rat
VM&P Naptha	64742-89-8					
Xylene	1330-20-7	4300mg/kg	Oral, Rat	5000 ppm	4 hr	Rat

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## SECTION XII: ECOLOGICAL INFORMATION

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ECOLOGICAL INFORMATION: No data available

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## SECTION XIII: DISPOSAL CONSIDERATIONS

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### WASTE DISPOSAL METHOD:

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State and Local Regulations.

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## SECTION XIV: TRANSPORT INFORMATION

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### US Ground (DOT)

May be classed as Consumer Commodity, ORM-D  
UN1950, AEROSOLS, 2.1, LIMITED QUANTITY, (ERG #126)

### Canada (TDG)

May be classed as Consumer Commodity, ORM-D  
UN1950, AEROSOLS, CLASS 2.1, LIMITED QUANTITY, (ERG #126)

### International Maritime Organization (IMO)

May be shipped as Limited Quantity  
UN1950, AEROSOLS, CLASS 2.1, LIMITED QUANTITY, EMS: F-D, S-U  
Marine Polutant: NO

SECTION 14 NOTES: Proper Shipping Name: Aerosols, Flammable, Consumer Commodity, ORM-D

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## SECTION XV: REGULATORY INFORMATION

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### U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All chemicals in this product are listed, or are exempt from listing on the TSCA Inventory.

311/312 HAZARD CATEGORIES: ACUTE: Yes  
CHRONIC: Yes  
FIRE: Yes

### 313 REPORTABLE INGREDIENTS:

Ingredient	CAS No.	EC No.	% by Wt.
Ethylbenzene	100-41-4	202-849-4	1-2%
Toluene	108-88-3	203-625-9	20-30%
Xylene	1330-20-7	215-535-7	3-8%

### STATE REGULATIONS

California: This product contains a chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.

### FOREIGN REGULATIONS

Canada: WHMIS; Class A, B-5 --Flammable Aerosols--

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## SECTION XVI: OTHER INFORMATION

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### HMIS:

Health Hazard: 2  
Fire Hazard: 4  
Physical Hazard: 0

### PREPARATION INFORMATION:

MSDS Revision Date: 23 April 2009  
MSDS Author: Regulatory Department

DISCLAIMER: This information should be included in all MSDSs that are copied and distributed for these products.

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