

XYLENE

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| SECTION I | | PRODUCT IDENTIFICATION | | |
|--|------------|------------------------|----------------|--|
| Trade Name | Xylene | | | |
| Chemical Family | | | | |
| NFPA Ratings (Hazard ID) | Health – 2 | Fire – 3 | Reactivity - 0 | |
| HMIS Ratings (Hazard ID) | Health – 2 | Fire – 3 | Reactivity - 0 | |
| WARNING! Irritant to skin, eyes, mucous membranes and upper respiratory tract. Toxic to blood, kidneys, the nervous system & liver. | | | | |

| SECTION II | INGREDIENTS, LIMITS AND TOXICOLOGICAL INFORMATION | | | |
|------------------|---|--|--|--|
| INGREDIENT | Xylene | | | |
| CAS# | 106-42-3 | | | |
| ACGIH TLV/TWA | 100 ppm; 434 mg/m ³ | | | |
| ACGIH TLV/STEL | 150 ppm; 651 mg/m ³ | | | |
| LD50, Oral | 5000 mg/kg (rat) | | | |
| LD50, Dermal | 12400 mg/kg (rabbit) | | | |
| LD50, Inhalation | 4550 ppm 4 hours (rat) | | | |
| PCT by weight | 100 | | | |

| SECTION III | PHYSICAL DATA | | |
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| Physical State | Liquid | Specific Gravity | 0.86 (water=1) |
| Appearance | Colorless | VOC, Calculated | |
| Odor | Characteristic | pH | N/A |
| Boiling Range | 138°C (280.4°F) | Freezing Point | 12°C (53.6°F) |
| Vapor Pressure | 9 mm of Hg (@20°C) | Water Solubility | None |

| SECTION IV | FIRE & EXPLOSION HAZARD DATA |
|----------------------------------|--|
| Lowest closed cup flashpoint | 25°C (77°F) |
| OSHA flammability classification | Flammable |
| Lower flammable limit in air | 1.1% |
| Flash points | Open Cup: 28.9°C (84°F); Closed Cup: 25°C (77°F) |
| Mechanical impact explosion | N/A |
| Static electricity explosion | N/A |
| Auto-ignition temperature | 527°C (980.6°F) |
| Products of combustion | Carbon Oxides (CO, CO ₂) |
| Extinguishing media | Dry chemical powder, water spray or fog |

UNUSUAL FIRE & EXPLOSION HAZARDS: EXPLOSIVE IN THE FORM OF VAPOR WHEN EXPOSED TO HEAT OR FLAME. VAPOR MAY TRAVEL CONSIDERABLE DISTANCE TO SOURCE OF IGNITION AND FLASH BACK. WHEN HEATED TO DECOMPOSITION, IT EMITS ACRID SMOKE & IRRITATING FUMES. HIGHLY FLAMMABLE IN PRESENCE OF OPEN FLAMES, SPARKS AND HEAT.

SPECIAL FIRE FIGHTING PROCEDURES: FLAMMABLE LIQUID, INSOLUBLE IN WATER. SMALL FIRE: USE DRY CHEMICAL POWDER. LARGE FIRE: USE WATER SPRAY OR FOG. COOL CONTAINING VESSELS WITH WATER JET IN ORDER TO PREVENT PRESSURE BUILD-UP, AUTOIGNITION OR EXPLOSION.

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| SECTION V | HEALTH HAZARD DATA - Effects of overexposure – primary routes of entry | | |
| Primary Routes of Entry | <input checked="" type="checkbox"/> Inhalation | <input checked="" type="checkbox"/> Skin | <input checked="" type="checkbox"/> Ingestion |
| Inhalation: Slightly hazardous. May cause dizziness, drowsiness, headache, unconsciousness. | | | |
| Ingestion: Slightly hazardous. May cause abdominal pain, burning sensation. | | | |
| Medical conditions that may be aggravated by exposure to this product: | | | |
| Emergency & First Aid procedures: EYE CONTACT: REMOVE CONTACT LENSES. DO NOT USE EYE OINTMENT. SEEK MEDICAL ATTENTION. SKIN CONTACT: WASH IMMEDIATELY WITH PLENTY OF WATER. GENTLY AND THOROUGHLY WASH THE CONTAMINATED SKIN WITH RUNNING WATER AND NON-ABRASIVE SOAP. BE PARTICULARLY CAREFUL TO CLEAN FOLDS, CREVICES, CREASES AND GROIN. COVER THE IRRITATED SKIN WITH AN EMOLLIENT. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. WASH CONTAMINATED CLOTHING BEFORE REUSING. INHALATION: ALLOW THE VICTIM TO REST IN A WELL VENTILATED AREA. SEEK IMMEDIATE MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GIVE SLURRY OF ACTIVATED CHARCOAL IN WATER TO DRINK. IF VICTIM IS NOT BREATHING, PERFORM MOUTH TO MOUTH. LOOSEN TIGHT CLOTHING. SEEK IMMEDIATE MEDICAL ATTENTION. | | | |
| Other health hazards: TOXIC TO BLOOD, KIDNEYS, THE NERVOUS SYSTEM. REPEATED OR PROLONGED EXPOSURE CAN PRODUCE TARGET ORGANS DAMAGE. AVOID EXPOSURE TO PREGNANT WOMEN. EMBRYOTOXIC, FOETOTOXIC, PASSES THROUGH PLACENTAL BARRIER. DETECTED IN MATERNAL MILK. NARCOTIC EFFECT: MAY CAUSE NERVOUS SYSTEM DISTURBANCES. | | | |

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| SECTION VI | REACTIVITY DATA |
| Stability: THE PRODUCT IS STABLE | |
| Conditions to avoid: N/A | |
| Incompatibility (material to avoid) : REACTIVE WITH OXIDIZING AGENTS SUCH AS NITRIC ACID | |
| Hazardous decomposition products: N/A | |

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| SECTION VII | SPILL OR LEAK PROCEDURES |
| Steps to be taken in case material is released or spilled: SMALL SPILL: ABSORB WITH INERT MATERIAL. LARGE SPILL: KEEP AWAY FROM HEAT AND SOURCES OF IGNITION. STOP LEAK IF WITHOUT RISK. ABSORB WITH DRY EARTH, SAND OR OTHER NON-COMBUSTIBLE MATERIAL. DO NOT GET WATER INSIDE CONTAINER. DO NOT TOUCH SPILLED MATERIAL. PREVENT ENTRY INTO SEWERS, BASEMENTS AND CONFINED AREAS. ELIMINATE ALL IGNITION SOURCES. CALL FOR ASSISTANCE ON DISPOSAL. BE CAREFUL THAT THE PRODUCT IS NOT PRESENT AT A CONCENTRATION LEVEL ABOVE TLV. | |
| Waste disposal method: DISPOSE OF IN AN APPROPRIATE WASTE DISPOSAL. | |

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| SECTION VIII | SPECIAL PROTECTION INFORMATION |
| Respiratory Protection: VAPOR RESPIRATOR | |
| Ventilation: PROVIDE EXHAUST VENTILATION OR OTHER ENGINEERING CONTROLS TO KEEP THE AIRBORNE CONCENTRATIONS OF VAPORS BELOW THEIR RESPECTIVE THRESHOLD LIMIT VALUES. | |
| Protective gloves: GLOVES SHOULD BE WORN | |
| Eye protection: SPLASH GOGGLES SHOULD BE WORN. ENSURE THAT EYEWASH STATIONS & SAFETY SHOWERS ARE PROXIMAL TO THE WORK-STATION LOCATION. | |
| Other protective equipment: | |

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| SECTION IX | SPECIAL PRECAUTIONS |
| Precautions to be taken in handling & storage: KEEP AWAY FROM HEAT. KEEP AWAY FROM SOURCES OF IGNITION. GROUND ALL EQUIPMENT CONTAINING MATERIAL. FLAMMABLE MATERIALS SHOULD BE STORED SEPARATELY IN A SAFETY STORAGE CABINET OR ROOM. KEEP CONTAINER TIGHTLY CLOSED. SEPARATE FROM STRONG OXIDANTS. | |
| Other precautions: | |

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| SECTION X | SARA TITLE III INFORMATION | | |
| <i>This product contains the following substances subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:</i> | | | |
| NAME | Xylene | | |
| CAS# | 106-42-3 | | |
| PC. WEIGHT | 100 | | |

| SECTION XI | D.O.T. REGULATIONS (TRANSPORTATION) |
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| Hazard class ID number Packing group Proper shipping name Label US Domestic Ground Shipments US Domestic Ground Shipments non-bulk (in containers 119 gallons or less) | 3 UN1307 III Xylene Flammable Liquid |
| Cross Border Transport (ADR/RID) | |
| ADR/RID Class Danger Code (Kemler) UN Number Packing Group Description | |
| Marine Transport (IMDG) | |
| IMDG Class UN Number Label Packing Group EMS Number Marine Pollutant Proper Shipping Name | |
| Air Transport (ICAO-TI and IATA-DGR) | |
| ICAO/IATA Class UN Number Label Packing Group Proper Shipping Name | |

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