Bon®

SAFETY DATA SHEET

#32-987/#32-988 Xylene

Section 1 -Product and Company Identification

Product Name: Xylene

Manufacturer/ Supplier

Bon Tool Co.
DBA BonWay 4430
Gibsonia Road Gibsonia,
PA 15044

Telephone 412-443-7080
Toll free 800-444-7060

Fax 724-444-7090
www.bontool.com

In case of transportation or chemical emergency contact:

ChemTel, Inc
1-800-255-3924 (24 hours)

Product Use: Solvent

Section 2 - Hazards

According to Regulation 2012 OSHA Hazard Communication Standard: 29 CFR Part 1910.1200

GHS Ratings:

Flammable liquid	3	Flash point >= 23°C and <= 60°C (140°F)
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Carcinogen	2	Limited evidence of human or animal carcinogenicity
Reproductive toxin	2	Human or animal evidence possibly with other information Aspiration
Aspiration hazard	1	Toxicity Category 1: Known (regarded)- human evidence - hydrocarbons with kinematic viscosity ? 20.5 mm2/s at 40° C.

GHS Hazards

H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P233	Keep container tightly closed

P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ventilating/light/…/equipment
P242	Use only non sparking tools
P243	Take precautionary measures against static discharge
P264	Wash hands and exposed skin thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P321	Specific treatment (see Section 4 on this SDS)
P331	Do NOT induce vomiting
P362	Take off contaminated clothing and wash before reuse
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P302+P352	IF ON SKIN: Wash with soap and water
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	If skin irritation occurs: Get medical advice/attention
P337+P313	Get medical advice/attention
P370+P378	In case of fire: Use dry chemical, carbon dioxide, foam or earth for extinction
P405	Store locked up
P403+P235	Store in a well ventilated place. Keep cool
P501	Dispose of contents/container in accordance with local/ regional/ national/, regulations.

Signal Word: Danger

Preexisting skin, eye, and respiratory disorders may be aggravated by exposure to this product. .

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Section 3 - Composition

Chemical Name	CAS number	Weight Concentration %
Xylenes	1330-20-7	70.00% - 80.00%
Ethyl Benzene	100-41-4	10.00% - 20.00%
Toluene	108-88-3	0.10% - 1.00%

Section 4 - First Aid Measures

INHALATION - Take affected persons out into the fresh air. Supply fresh air; consult doctor in case of complaints.
Provide oxygen treatment if affected person has difficulty breathing.
In case of irregular breathing or respiratory arrest provide artificial respiration.
In case of unconsciousness place patient stably in side position for transportation.

EYE CONTACT - In case of eye contact, flush the eyes with water for fifteen (15) minutes. If contact lenses are worn, quickly remove them, then flush the eyes with water. Have a physician examine the eyes.

SKIN CONTACT - Immediately remove any clothing soiled by the product.

Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

INGESTION - If material is ingested, seek immediate medical attention. If vomiting occurs spontaneously, keep the head below the hips to prevent aspiration of liquid into the lungs.

Notes to Physician: If swallowed, gastric irrigation with added, activated carbon.
If swallowed or in case of vomiting, danger of entering the lungs.
If necessary oxygen respiration treatment.

Section 5 - Fire Fighting Measures

Flash Point: 27 C (81 F)

LEL: 1.00 UEL: 7.00

EXTINGUISHING MEDIA: Use carbon dioxide (CO2), "alcohol" foam, dry chemical, or sand.

UNUSUAL FIRE OR EXPLOSION HAZARDS: The product vapor is heavier than air and may travel a considerable distance to a source of ignition and flashback. Product floats on water; high pressure water stream may spread fire.

HAZARDOUS COMBUSTION PRODUCTS: See section 10 for a list of hazardous decomposition products for this mixture.

FIRE FIGHTING: If evacuation of personnel is necessary, evacuate to an upwind area. Decontaminate personnel and equipment with a water wash-down after fire and smoke exposure.

FIRE FIGHTING EQUIPMENT: Firemen and emergency responders: wear full turnout gear or Level A equipment, including positive-pressure, self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

SPILL AND LEAK PROCEDURES: Spill supervisor - Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Remove all ignition sources. Keep nonessential personnel away from the contaminated area.

SMALL SPILLS: Ventilate the contaminated area. Using nonsparking tools, mix the appropriate sorbent into the spilled material. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Collect the saturated sorbent and transfer it into a covered container. Steel containers are acceptable for all wastes except wastes which contain acid. Use suitable plastic containers for acid-bearing wastes.

Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

LARGE SPILLS: Prevent this material from entering sewers and watercourses by diking or impounding the spilled material. Advise authorities if the product has entered or may enter, sewers, watercourses, or extensive land areas.

Ventilate the contaminated area. Using nonsparking tools, mix the appropriate sorbent into the spilled material. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Collect the saturated sorbent and transfer it into a covered container. Steel containers are acceptable for all wastes except wastes which contain acid. Use suitable plastic containers for acid-bearing wastes.

Label the waste container. Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

Section 7 - Handling and Storage

HANDLING PRECAUTIONS: Wear all appropriate Personal Protective Equipment (PPE). Wear respiratory protection or ensure adequate ventilation at all times as vapors can accumulate in confined or poorly ventilated areas. Use the product in a manner which minimizes splashes and/or the creation of dust. Keep containers closed when not in use. Do not handle or store material near heat, sparks, open flames, or other sources of ignition. Store at room temperatures, i.e., 40 to 95 F (4 to 35 C).

STORAGE: Requirements to be met by storerooms and receptacles:
Store in a cool location.
Provide ventilation for receptacles.
Avoid storage near extreme heat, ignition sources or open flame.
· **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from oxidizing agents.
Do not store together with acids.
· **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.
Keep container tightly sealed.

REGULATORY REQUIREMENTS: No data found.

Section 8 - Exposure Controls / Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Xylenes 1330-20-7	TWA value = 100.0 ppm = 435.0 mg/m3	TWA value = 100.0 ppm STEL value = 150.0 ppm	Not Established
Ethyl Benzene 100-41-4	Not Established	TLV: TWA value = 20 ppm STEL value = 125 ppm	NIOSH; TWA = 100 ppm, 435 mg/m3 ST = 125 ppm, 545 mg/m3
Toluene 108-88-3	Air TWA value = 100 ppm = 375 mg/m3 Air STEL value = 150 ppm = 560 mg/m3 Expos TWA val = 200 ppm CEIL value = 300 ppm Peak value = 500 ppm	TWA value = 20 ppm	NIOSH TWA value = 100 ppm = 375 mg/m3 ST value = 150 ppm = 560 mg/m3

ENGINEERING: Do not use near fire or flame.

VENTILATION: Use only with adequate ventilation, i.e., ventilation in compliance with occupational exposure limits. Use mechanical ventilation to reduce buildup of vapors in enclosed areas.

ADMINISTRATIVE CONTROLS: Read SDS and follow recommended procedures.

PROTECTIVE EQUIPMENT: Wear splash goggles. If extra protection is required, wear a face shield over the splash goggles. Face shields are effective only if worn in addition to splash goggles.

Wear a chemical-resistant, butyl-rubber apron and other protective clothing, as deemed appropriate, to avoid skin contact with material.

Wear chemical-resistant gloves (butyl rubber or neoprene). Protective gloves should be inspected frequently and discarded when they exhibit cuts, tears, pinholes, or signs of excessive wear.

Respiratory protection may not be needed if the local exhaust is sufficient to maintain levels of hazardous ingredients below occupational exposure limits. If needed, use a NIOSH/MSHA approved respirator equipped with a full facepiece, organic vapor cartridges, and high-efficiency, particulate air (HEPA) filters. Do not use respirators beyond their capabilities. FOR EMERGENCIES AND UNKNOWN CONCENTRATIONS, use supplied-air respiratory protection or a positive-pressure, self-contained breathing apparatus (SCBA).

CONTAMINATED EQUIPMENT: Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstances:

Appearance: Clear liquid	**Odor:** Petroleum
Vapor Pressure: 10.0 mmHg @ 20℃	**Odor threshold:** No Data
Vapor Density: No Data	**pH:** Not Applicable
Specific Gravity: 0.86	**Melting point:** Calculated
Freezing point: No Data	**Solubility:** No Data
Boiling range: 110℃	**Flash point:** 81 F,27 C
Evaporation rate: No Data	**Flammability:** No Data
Partition coefficient (n-octanol/water): No Data	**Autoignition temperature:** No Data
Decomposition temperature: No Data	**Viscosity:** No Data
Grams VOC less water: No Data	

Section 10 - Stability and Reactivity

Stability: Hazardous polymerization will not occur.
STABLE

Components of this mixture are incompatible with the following materials: Oxidizers. This mixture may soften certain plastics and rubbers.

This mixture is likely to exhibit the following combustion products:
Oxides of carbon an partially oxidized hydrocarbons.

Section 11 - Toxicological Information

Mixture Toxicity
Component Toxicity
Exposure to this material may affect the following organs:

Effects of Overexposure

Carcinogenicity: The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

CAS Number	Description	% Weight	Carcinogen Rating
100-41-4	Ethyl Benzene	10 to	

Section 12 - Ecological Information

Ecological information: No data found.

Component Ecotoxicity

Ethyl Benzene	Toxicity; Fish: flow-through test LC50 - Menidia menidia (Atlantic Silverside) - 5.1 mg/l - 96 hrs Invertebrates: static test EC50 - Daphnia magna (Water Flea) - 1.8 to 2.4 mg/l - 48 hrs. reproductive test NOEC - Ceriodaphnia dubia (Water Flea) - 0.96 mg/l - 7 days Algae: static test EC50 - Skeletonema costalum (Marine Diatom) - 4.9 mg/l - 72 hrs.
Toluene	LC50 ; Onocorhynchus mykiss (Rainbow Troat) ; 7.63 mg/l ; 96 hrs. NOEC ; Pimephales promelas (Fathead Minnow) ; 5.44 mg/l ; 7 days EC50 ; Daphnia magna (Water Flea) ; 8.00 mg/l ; 24 hrs. Immobilization EC50 ; Daphnia magna (Water Flea) ; 6 mg/l ; 48 hrs. EC50 ; Chlorella vulgaris (Fresh Water Algae) ; 245.0 mg/l ; 24 hrs. EC50 ; Pseudokirchneriella subcapitata (Green Algae) ; 10.0 mg/l ; 24 hrs.

Section 13 - Disposal Considerations

As the US EPA, state, regional, and other regulatory agencies may have jurisdiction over the disposal of your facility's hazardous waste, it is incumbent upon you, the hazardous waste generator, to learn of and satisfy all the requirements which affect you. Dispose of the hazardous waste at a properly licensed and permitted disposal site or facility. Ensure conformity to all applicable hazardous waste disposal regulations.

The US EPA Hazardous Waste Numbers which follow are applicable to this unadulterated product if the product enters the "waste stream." Refer to Title 40 of the Code of Federal Regulations, Part 261 (40 CFR 261). This part of the Code identifies solid wastes which are subject to regulation under various sections of the Code and which are subject to the notification requirements of Section 3010 of the Resource Conservation and Recovery Act (RCRA).

Section 14 - Transportation Information

This material is classified for transport as follows:

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
US DOT	Xylenes	UN1307	PGII	3

Section 15 - Regulatory Information

Additional regulatory listings, where applicable.

The following chemicals are listed in MA RTK
100-41-4 Ethyl Benzene 10 to 20 %
1330-20-7 Xylenes 70 to 80 %

The following chemicals are on the NJ RTK list:
108-88-3 Toluene 0.1 to 1.0 %
100-41-4 Ethyl Benzene 10 to 20 %
1330-20-7 Xylenes 70 to 80 %

The following chemicals are on the NY RTK list
100-41-4 Ethyl Benzene 10 to 20 %

The following chemicals are on the PA RTK list
108-88-3 Toluene 0.1 to 1.0 %
100-41-4 Ethyl Benzene 10 to 20 %
1330-20-7 Xylenes 70 to 80 %

Country	Regulation	All Components Listed
Canada	Canadian Domestic Substances List	Yes
US	Toxic Substances Control Act	Yes

EU Risk Phrases

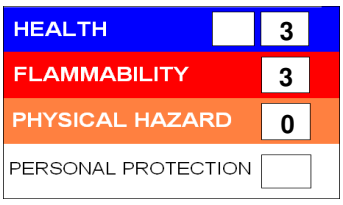
Safety Phrase

Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory:

- None

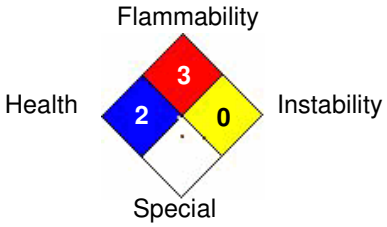
Section 16 - Other Information

Hazardous Material Information System (HMIS)



HMIS & NFPA Hazard Rating Legend
*** = Chronic Health Hazard**
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH
4 = SEVERE

National Fire Protection Association (NFPA)



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