SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

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MATERIAL NAME: **Xylenes**
REVISED: June 2022
CHEMICAL FAMILY: Xylene isomers
Product Number: 100-XYLENE

SECTION 2. HEALTH HAZARD INFORMATION

GHS Classifications

H226: Flammable liquid and vapor: Category 3
H302: Acute toxicity oral : Category 4
H315: Skin corrosion / skin irritation **:** Category 2
H319: Serious eye damage / eye irritation **:** Category 2A
H372: Special target organ systemic toxicity repeated exposure **:** Category 1
H402: Acute aquatic environmental hazards **:** Category 3

Pictograms or Hazard symbols

Signal word: Danger
Flammable liquid and vapor
Harmful if swallowed. Causes skin irritation. Causes serious eye irritation.
Causes damage to liver, kidney, and blood through prolonged or repeated exposure to skin or inhalation.
Harmful to aquatic life.

Precautionary Statements

P210 Keep away from heat, flames, and hot surfaces. No smoking.
P233 Keep container tightly closed.
P241 Use explosive-proof equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P260 Do not breathe fume/gas/mist/vapors
P264 Wash thoroughly after handling.
P270 Do not eat, drink, or smoke when using this product.
P273 Avoid release into the environment.
P280 Wear protective gloves, clothing, and eye and face protection.
P303 + P361 + P353 If on skin (or hair) take off immediately all contaminated clothing.

Rinse skin with water.
P301 + P312 If swallowed, call a physician if you feel unwell.
P302 + P352 If on skin, wash with plenty of water. Remove contact lenses if present and easy to do so. Continue rinsing.
P305 + P351 + P338 If in eyes, rinse cautiously with water for several minutes.
P314 Get medical advice/attention if you feel unwell.
P330 Rinse mouth.
P332 + P313 If skin irritation occurs, get medical advice/attention.
P337 + P313 If eye irritation persists, get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P370 + P378 In case of fire use foam, dry chemical, or carbon dioxide to extinguish.
P403 + P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3.COMPOSITION/INFORMATION ON INGREDIENTS

Material		Wt %
m-Xylene	CAS# 108-38-3	36-58
o-Xylene	CAS# 95-47-6	13-18
p-Xylene	CAS# 106-42-3	< 18
Ethyl Benzene	CAS# 100-41-4	13-18
Total		100

SECTION 4. FIRST AID MEASURES

EFFECTS OF OVEREXPOSURE
FIRST AID:
Eye Contact: May cause severe irritation to naked eye; in case of contact flush eyes well for 15 minutes, lifting the lower and upper eyelids occasionally. Vapors cause irritation.
Skin Contact: May cause irritation with redness and pain. May be absorbed through the skin with possible systemic effects. Flush skin with water for 15 minutes. Prolonged exposure can cause burns and may result in permanent skin damage.
Inhalation: Inhalation of vapors irritates the respiratory tract. If inhaled, remove to fresh air. If not breathing give artificial respiration. Seek medical attention.
Ingestion: Ingestion causes irritation and burning of the gastrointestinal tract. Get medical attention immediately. Minute amounts aspirated into the lungs can cause severe hemorrhagic pneumonitis with severe pulmonary injury or death.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point and Method	Autoignition Temp.	Flammability Limits In Air	LOWER	UPPER
29 ºC CC	464 ºC		1.0	7.0

Explosion: Above flash point, vapor-air mixtures are explosive. Contact with strong oxidizers may cause fire or explosion. Vapors are heavier than air and can flow along surfaces to distant ignition sources and flash back. Sensitive to static discharge.
Extinguishing media: Foam, carbon dioxide and dry chemical.
Special fire fighting procedures: Wear full protective clothing and NIOSH self-contained breathing apparatus. Thermal decomposition produces toxic fumes. Contact with oxidizing reagents may cause extremely violent

combustion.

SECTION 6. ACCIDENTAL RELEASE MEASURES

SPILLS, LEAKS: Ventilate area of leak or spill. Clean up personnel should wear protective clothing and NIOSH approved respirator. Dike and cover the contaminated areas with absorbent material such as vermiculite or sand. Transfer to a closed container and send to an approved waste disposal facility. Remove all ignition sources.

SECTION 7. HANDLING AND STORAGE

Storage & Handling Information Store below 80 degrees F. Store in a cool dry place. Do not store near incompatible products, ignition sources, or open flame. Store away from direct sunlight.

SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Respiratory protection: If exposure limits are exceeded, wear NIOSH/MESA approved full or half face piece (with goggles) respiratory protective equipment. A respiratory protection program complying with requirements of 29CFR 1910.134 is recommended.
Ventilation: Where adequate ventilation is not available, use NIOSH approved vapor respirator with organic filters. Local ventilation through fume hoods or laminar flow stations is also preferred. Keep fumes away from ignition sources, sparks, or open flame.
Protective gloves: Skin contact should be minimized through use of impervious rubber gloves.
Other protective equipment: Steel tipped shoes/eye wash station/chemical safety chemical retardant clothing.
Eye protection: Safety goggles / face shield.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form :	liquid
Appearance :	colorless
Odor :	Pungent aromatic.
pH :	no information
Melting point:	-25 ºC
Boiling point/Boiling range :	140 ºC
Flash point :	29 ºC CC
Ignition point :	464 ºC
Danger of explosion:	1.0-7.0
Decomposition temperature:	no information
Vapor density (Air = 1) :	3.7
Volatiles, %:	100
Vapor pressure at 25º C, mm Hg:	8
Specific gravity :	0.85 g/cc
Solubility in / Miscibility:	Insoluble in water
Evap. Rate (Butyl Acetate = 1):	0.7

SECTION 10. STABILITY AND REACTIVITY

Stability Stable X Conditions to avoid: Contact with water. Temperatures above the flash point in combination with sparks, open flames, or ignition sources.

Incompatible with:

Water, alcohol, strong oxidizing agents, strong acids, amines.

Hazardous decomposition products: Ammonia, oxides of nitrogen, silicon dioxide, carbon dioxide, carbon monoxide.

Hazardous polymerization:	May occur Will not occur X	Conditions to avoid: Excess heat, sunlight.

SECTION 11. TOXICOLOGICAL INFORMATION

Oral, rat LD_{50}: 4,200 mg/kg
Skin, rabbit LD_{50}: > 1,700 mg/kg
Inhalation, rat LC_{50}: 5,000 ppm/4 hours
Investigated as a tumorigen, mutagen, reproductive effector

Reproductive toxicity: May cause teratogenic effects.

SECTION 12. ECOLOGICAL INFORMATION

Environmental Fate: When released into the soil or water, this material is expected to evaporate to a moderate extent. This material is not expected to bioaccumulate. When released into the air, this material is expected to be moderately degraded by reaction with photochemically produced hydroxyl radicals.

Ecotoxicity : The LC50/96 hour values for fish are between 10 and 100 mg/L. This material is not expected to be toxic to aquatic life.

SECTION 13. DISPOSAL CONSIDERATIONS

DISPOSAL: Dispose of in accordance with all federal state and local regulations. Send waste to an approved waste disposal facility.

SECTION 14. TRANSPORTATION INFORMATION

Proper shipping name: Xylenes
Hazard Class: 3
UN1307
Packing Group II

SECTION 15. REGULATORY

NFPA: 1-3-0
HMIS: 1-3-0

Risk Symbol: F
Risk Phrases:
R11: Highly flammable
R18: In use, may form flammable/explosive vapor-air mixture
R36/37: Irritating to eyes and respiratory system

Safety Phrases:

S3/7: Keep container tightly closed in a cool place
S16: Keep away from sources of ignition—No smoking
S20/21: When using do not eat, drink, or smoke

The following components of this product are regulated as toxic chemicals under section 313 of title III SARA and 40CFR 372:

Xylenes CAS# 1330-20-7
N-Butyl Alcohol CAS# 71-36-3

SECTION 16. OTHER INFORMATION

TSCA listed