

1. PRODUCT AND COMPANY IDENTIFICATION

- 1.1 Product Name:** Xylene, Histology Grade
Part Number: 1446
CAS-No.: 1330-20-7
SDS Number: 4670
- 1.2 Recommended Use:** Laboratory Chemicals
- 1.3 Company:** Newcomer Supply
 2505 Parview Road
 Middleton, WI 53562 USA
- Telephone:** 1-800-383-7799
Fax: 1-608-831-0866
Website: www.newcomersupply.com
Email: newly@newcomersupply.com

24 HOUR EMERGENCY CONTACT
 CALL CHEMTREC: 1-800-424-9300
 Contact CHEMTREC only in the event of an emergency involving a chemical spill, leak, fire, exposure or other accident.

2. HAZARD(S) IDENTIFICATION

- 2.1 Classification of the substance or mixture**
GHS Classification, (in accordance with 29 CFR1910.1200)
 Flammable liquid, Category 3
 Skin irritation, Category 2
 Serious Eye Damage/Eye irritation, Category 2
 Carcinogenicity, Category 2
 Reproductive toxicity, Category 2
 Acute toxicity (dermal), Category 4
 Acute toxicity (inhalation), Category 4
 Specific Target Organ Toxicity – Single exposure, Category 3
 Specific Target Organ Toxicity – Repeated exposure, Category 2
 Aspiration Hazard, Category 1

2.2 GHS Label elements

Signal Word DANGER

Pictogram 

- Hazard Statement(s):**
- Flammable liquid and vapour
 - Causes skin irritation
 - Causes serious eye irritation
 - Suspected of causing cancer
 - Suspected of damaging fertility or the unborn child
 - Harmful in contact with skin
 - Harmful if inhaled
 - May cause respiratory irritation
 - May cause drowsiness or dizziness
 - May cause damage to organs through prolonged or repeated exposure
 - May be fatal if swallowed and enters airways

- Precautionary Statement(s):**
- Prevention:**
- Obtain special instructions before use.
 - Do not handle until all safety precautions have been read and understood.
 - Keep away from heat/sparks/open flames/hot surfaces – No smoking.
 - Keep container tightly closed.
 - Ground/bond container and receiving equipment.
 - Use explosion-proof fume hood/electrical/ventilating/light equipment.

Version 1.1

- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Wash skin thoroughly after handling.
- Do not breathe dust/fume/gas/mist/vapours/spray.
- Use only outdoors or in a well-ventilated area.

Response:

- In case of fire use carbon dioxide, dry chemical or alcohol-resistant foam.
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- Wash contaminated clothing before reuse.
- If skin irritation occurs: Get medical advice/attention.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
- If eye irritation persists get medical advice/attention.
- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- Specific treatment: see first aid measures in section 4.
- IF exposed or concerned: Get medical advice/attention.

Storage:

- Store locked up.
- Store in a well ventilated place. Keep cool.
- Keep container tightly closed.

Disposal:

- Dispose of contents/ container to an approved waste disposal plant.

- 2.3 Description of any hazards not otherwise classified** None
- 2.4 >1% of mixture with unknown acute toxicity** None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixture
Hazardous Components

Component		Concentration
Name	Xylenes (o-,m-,p- isomers)	
CAS-No.	1330-20-7	98.5%
Name	Ethylbenzene	
CAS-No.	100-41-4	5-20%

4. FIRST-AID MEASURES

4.1 Description of necessary measures
Inhalation (breathing)

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned: Get medical advice/attention.

Skin Contact

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists get medical advice/attention.

Version 1.1

Ingestion (swallowed)

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

4.2 Most important symptoms and or effects, acute and delayed

The most important symptoms/effects are presented in Section 2 and or Section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Carbon dioxide, dry chemical, water spray, alcohol-resistant foam.

5.2 Specific hazards arising from the substance or mixture

No data available

5.3 Protective equipment and precautions for fire-fighters

Wear a positive-pressure self-contained breathing apparatus if necessary. Wear chemical resistant clothing as recommended by clothing manufacturer.

NFPA Rating

Health	Fire	Reactivity
hazard: 2	hazard: 3	hazard: 0

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Apply personal protective equipment (see Section 8). Use in a properly ventilated area. Avoid breathing vapors. Avoid skin contact. Avoid eye contact. Wash hands after use. In case of large spill, remove personnel to a safe area. Keep product away from heat, flame, ignition sources, and reactive materials. Avoid accumulation of vapor to form explosive concentration. Pay particular attention to low areas where vapor accumulates more easily.

6.2 Methods and material for containment and cleaning up

Apply personal protective equipment (see Section 8). Contain spill. Prevent further leakage if possible and safe to do so. Ensure proper ventilation. For small amounts, wipe or absorb spill using inert material and dispose of according to local regulations. For large amounts, evacuate area and limit access. Prevent entry of material into sewage drains and confined areas. Dispose of any contaminated materials according to local regulations. Eliminate sources of ignition.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing.

7.2 Conditions for safe storage, including any incompatibilities

Refer to Section 2.2 for proper storage temperature. Store the tightly closed container in a cool, dry, well-ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Components with limit values that require monitoring at the workplace

Component	CAS-No.	Regulatory	Value	Parameters
Xylenes	1330-20-7	OSHA PEL	TWA	100 ppm (435 mg/m ³)
		ACGIH TLV	TWA	100 ppm (434 mg/m ³)

		ACGIH TLV	STEL	150 ppm (651 mg/m ³)
		NIOSH REL	TWA	100 ppm (435 mg/m ³)
		NIOSH REL	STEL	150 ppm (655 mg/m ³)

8.2 Exposure Controls
Appropriate engineering controls

Use in a properly ventilated area. Remove/wash before reuse contaminated clothing. Wash hands upon exiting work premises. Use product in an appropriately designated fume hood. Take measures to keep concentrations below acceptable limits.

8.3 Personal Protective Equipment
Eye/Face protection

Wear chemical safety goggles and/or a full face shield if splashing is possible. Keep eye wash fountain nearby.

Skin Protection

Wear chemical-resistant gloves. Gloves should be resistant to components of product. Refer to glove manufacturer for appropriate type and glove thickness.

Body Protection

No data available

Respiratory Protection

Respirators should only be used if the employer has implemented a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

In case of emergency, entry into or escape from unknown concentrations, select the highest level approved respiratory protection available.

Other Information

None

9. PHYSICAL AND CHEMICAL PROPERTIES
9.1 Information on basic physical and chemical properties

Physical state	Colorless liquid
Odor	Aromatic odor
Odor threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	137-140°C (278-284°F)
Flash point	29°C (84°F) (Closed Cup) (Xylene)
Evaporation rate	0.7
Flammability (solid, gas)	Flammable liquid
Upper flammability or explosive limits	7%
Lower flammability or explosive limits	1%
Vapor pressure	10 mm at 28°C (82°F)
Vapor density	0.862
Relative density	No data available
Solubility(ies)	Not soluble with water
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available

10. STABILITY AND REACTIVITY

Version 1.1

10.1 Reactivity

No data available

10.2 Chemical stability

Stable in a closed container within label-specified storage temperature and expiration date.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Heat, sparks, open flame, and ignition sources.

10.5 Incompatible materials

Strong oxidizing materials, strong acids and bases, acetic acid, nitric acid

10.6 Hazardous decomposition products

No data available

11. TOXICOLOGICAL INFORMATION
11.1 Information on toxicological effects
Inhalation exposure

No data available

Oral exposure

No data available

Dermal exposure

No data available

Skin corrosion/irritation

Contact with xylenes can irritate the skin.

Serious eye damage/irritation

Contact with xylenes can irritate the eyes.

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Reproductive toxicity

Xylenes may damage the developing fetus.

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

Exposure to xylenes may damage the liver and kidneys.

Aspiration hazard

Exposure to xylenes may cause impaired pulmonary function.

Acute toxicity

Xylenes:

LD50 rat oral 5000 mg/kg

Carcinogenicity

IARC: 2B - Xylenes are possibly carcinogenic to humans.

NTP: 3 - not classifiable as to carcinogenicity to humans.

OSHA: None of the components are listed

Version 1.1

Additional information

RTECS: No data available

12. ECOLOGICAL INFORMATION**12.1 Ecotoxicity**

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS**13.1 Waste disposal methods****Contents**

Dispose of contents in a safe manner to comply with local, state and federal regulations. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of packaging in a safe manner to comply with local, state and federal regulations. Contact a licensed professional waste disposal service to dispose of this material.

14. TRANSPORT INFORMATION**14.1 DOT (US)**

UN-Number	1307
Proper shipping name	Xylenes
Hazard class	3
Packing group	III
Environmental hazards	No data available

15. REGULATORY INFORMATION**15.1** No data available**16. OTHER INFORMATION**

Preparation Information

Newcomer Supply Inc.

800-383-7799

www.newcomersupply.com

Copyright © Newcomer Supply Inc. All rights reserved.

Action		Comment
Adjusted	Pictograms	
Cut	Keep container tightly closed.	from "Store
Replaced	Do not breathe dust/fume/gas/mist/vapours/spray	with "Avoic
Removed	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if presen	
Removed	If eye irritation persists get medical advice/attention	
Removed	Store locked up	
Changed	DANGER	to "WARNII

Store in a well ventilated place. Keep cool. Keep container tightly closed."
Avoid breathing dust/fume/gas/mist/vapours/spray"
Simple and easy to do – continue rinsing

NG"