Safety Data Sheet

Safety Data Sheet (in compliance with Regulation (EC) 1907/2006, Regulation (EC) 1272/2008 and Regulation (EC) 453/2010)

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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier:

Trade Name (as labeled):	**Xylol**
Part/Item Number:	21401

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:

Recommended Use:	Solvent
Restrictions on Use:	For professional use only

1.3 Details of the Supplier of the Safety Data Sheet:

Manufacturer/Supplier Name:	Sultan Healthcare
Manufacturer/Supplier Address:	1301 Smile Way York, PA, USA
Manufacturer/Supplier Telephone Number:	1-201-871-1232 or 800-637-8582 (Product Information)-
Email address:	customer.service@sultanhc.com

1.4 Emergency Telephone Number:

Emergency Contact Telephone Number:	800-535-5053 (INFOTRAC) 1-352-323-3500 (Outside the United States – Call Collect)

2. HAZARD(s) IDENTIFICATION

2.1 Classification of the Substance or Mixture:

GHS SDS Classification:

Health	Environmental	Physical
Acute Toxicity Dermal Category 4 Acute Toxicity Inhalation Category 4 Skin Irritation Category 2 Aspiration Hazard Category 1	None	Flammable Liquid Category 3

EU Classification (1999/45/EC as amended): Harmful (Xn)

EU Risk (R) Phrases: R10, R20/21, R38

Refer to Section 16 for the full text of the EU Classifications and R Phrases.

2.2 Labeling Elements: Contains Xylene

Signal Word: Warning

Hazard Statements	Precautionary Statements
H226 Flammable liquid and vapor H304 May be fatal if swallowed and enters airways H312 Harmful in contact with skin H315 Causes skin irritation H332 Harmful if inhaled	P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking. P233 Keep container tightly closed. P261 Avoid breathing vapours. P264 Wash thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves. P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331 Do NOT induce vomiting. P330 Rinse mouth. P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P332 + P313 If skin irritation occurs: Get medical advice/attention. P363 Wash contaminated clothing before reuse. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P370 + P378 In case of fire: Use carbon dioxide, foam or dry chemical for extinction. P403 + P235 Store in a well-ventilated place. Keep cool. P405 Store locked up. P501 Dispose of container / contents to approved disposal site in accordance with all local and national regulations.

2.3 Other Hazards: None

3. COMPOSITION AND INFORMATION ON INGREDIENTS

3.1 Substance

Hazardous Components	C.A.S. # EC#	IUPAC Name	CLP/GHS / EU Classification (1272/2008) (1999/45/EC)	WT %
Xylene	1330-20-7 / 215-535-7	Xylene	Flam Liq 1 H224 Acute Tox 4 H302, H332 Skin Irrit 2 H315 Aspir Tox 1 H304 Xn R10, R20/21, R38	100

Refer to Section 16 for the full text of the GHS and H phrases and EU Classifications and R Phrases.

4. FIRST-AID MEASURES

4.1 Description of First Aid Measures:	
Routes of Exposure	**First Aid Instructions**
Eye	Immediately flush victim's eyes with large quantities of water for at least 15 minutes, holding the eyelids apart. Get medical attention if irritation persists.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water. If symptoms develop and persist, get medical attention.
Inhalation	Remove to fresh air. If irritation or other symptoms persist, seek medical attention.
Ingestion	If swallowed, rinse mouth with water. DO NOT induce vomiting. Aspiration hazard. Never give anything by mouth to an unconscious or convulsing person. Get medical attention.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed:
Causes skin irritation. May be harmful if inhaled or on skin. Causes central nervous system effects. Aspiration into the lungs during swallowing or vomiting may cause serious lung damage

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed:
If swallowed, get immediate medical attention.
Note to Physicians (Treatment, Testing, and Monitoring): Aspiration toxicity is the most serious hazard. Treatment of overexposure should be directed at the control of symptoms and clinical conditions.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media
Use carbon dioxide, foam or dry chemical. Use water to cool exposed containers and structures and disperse flammable vapors.
5.2 Special Hazards Arising from the Substance or Mixture:
Flammable liquid and vapor. Vapors are heavier than air and will travel along surfaces to remote ignition sources and flash back. Vapors may be explosive in confined areas and may collect in low areas. Burning generates oxides of carbon.

5.3 Advice for Fire-Fighters:	
Fire Fighting Procedures:	Cool fire exposed containers and structures with water.
Precautions for Fire Fighters:	Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals.

Recommended Protective Equipment for Fire Fighters:			
EYES/FACE	SKIN	RESPIRATORY	THERMAL
			

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Wear eye protection and other suitable protective clothing (see Section 8) Eliminate all sources of ignition. Ventilate the area.

Recommended Personal Protective Equipment for Containment and Clean-up:

EYES/FACE	SKIN	RESPIRATORY	THERMAL
			

6.2 Environmental Precautions:

Prevent spill from entering sewers and water courses. Report releases as required by local and national authorities.

6.3 Methods and Material for Containment and Cleaning up:

Use non-sparking tools and equipment. Collect using an inert non-combustible absorbent material and place in appropriate containers.

6.4 Reference to Other Sections:

Refer to Section 8 for Personal Protective Equipment and Section 13 for Disposal information.

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handing:

Avoid eye and skin contact. Avoid breathing vapors. Use only with adequate ventilation. Wash thoroughly after handling. Remove contaminated clothing and launder before re-use. Keep product away from heat, sparks and all other sources of ignition. Keep containers closed when not in use.

Empty containers retain product residue. Follow all precautions in SDS when handling empty containers.

7.2 Conditions for Safe Storage, Including Any Incompatibilities:

Keep containers tightly closed when not in use. Store in a cool, dry area, away from incompatible materials. Protect from physical damage.

7.3 Specific End Use (s): For professional use only.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters:

Occupational Exposure Limits:

Xylene	United States	100 ppm TWA ACGIH LTV 150 ppm STEL ACGIH TLV 100 ppm TWA OSHA PEL
	Germany	100 ppm TWA DFG MAK (Skin) 200 ppm Peak DFG MAK (Skin)
	United Kingdom	50 ppm TWA UK WEL 100 ppm STEL UK WEL
	France	50 ppm TWA 100 ppm STEL
	Spain	50 ppm TWA 100 ppm STEL
	Italy	50 ppm TWA (Skin) 100 ppm STEL (Skin)
	European Union	50 ppm TWA (Skin) 100 ppm STEL (Skin)

Biological Exposure Limits: Methylhippuric acids in urine: 1.5 g/g creatinine (end of shift) (ACGIH)

8.2 Exposure Controls:

Appropriate Engineering Controls: Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

Individual Protection Measures (PPE)

Specific Eye/face Protection: Wear safety glasses or goggles to avoid eye contact.

Specific Skin Protection: Wear fluoroelastomer/nitrile gloves if needed to avoid prolonged or repeated skin contact.

Specific Respiratory Protection: Where exposure limits may be exceeded, wear an approved respirator with organic vapor cartridges. Select respirator in accordance with local and national regulations and good industrial hygiene practice.

Specific Thermal Hazards: Not applicable

Recommended Personal Protective Equipment

EYES/FACE	SKIN	RESPIRATORY	THERMAL
			

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:			
Appearance:	Clear, colorless liquid	**Explosive limits:**	LEL: 1.0%; UEL: 7.0%
Odor:	Characteristic	**Vapor pressure:**	8
Odor threshold:	Not available	**Vapor density:**	3.7
pH:	Not applicable	**Relative density:**	0.86
Melting/freezing point:	-25°C (-13°F)	**Solubility:**	Insoluble in water
Initial boiling point and range:	137-140°C (279-284°F)	**Partition coefficient: n-octanol/water:**	3.1-3.2
Flash point:	29°C (84°F) CC	**Auto-ignition temperature:**	Not available
Evaporation rate:	0.7 (But Ac = 1)	**Decomposition temperature:**	Not available
Flammability:	Flammable liquid	**Viscosity:**	Not available
Explosive Properties:	None	**Oxidizing Properties:**	None

9.2 Other Information: None available

10. STABILITY AND REACTIVITY

10.1 Reactivity: Will not polymerize or react dangerously.
10.2 Chemical Stability: Stable.
10.3 Possibility of Hazardous Reactions: Reacts with oxidizers generating heat and may cause fire.
10.4 Conditions to Avoid: Keep container away from excessive heat, sparks and open flames.
10.5 Incompatible materials: Strong oxidizers and strong acids.
10.6 Hazardous Decomposition Products: Burning generates oxides of carbon

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Potential Health Effects:

Eyes: Vapors may cause eye irritation. Direct eye contact may cause moderate irritation.

Skin: Causes skin irritation. May be harmful if absorbed through the skin.

Ingestion:. Aspiration hazard. May be aspirated into the lungs during ingestion or vomiting and cause lung damage.

Inhalation: Inhalation of vapors causes respiratory tract irritation and central nervous system effects such as dizziness, drowsiness, nausea and vomiting.

Chronic Health Effects: Chronic exposure may cause liver, kidney, and blood effects.

Carcinogenicity: None of the components of this product are listed as carcinogens by OSHA, IARC, ACGIH, NTP or CLP Annex VI.

Mutagenicity: No mutagenic data available.

Medical Conditions Aggravated by Exposure: None known.

Acute Toxicity Data: LD50 Oral Rat: 4300 mg/kg; LC50 Inhalation Rat: 50,000 ppm/4 hr

Reproductive Toxicity Data: No reproductive or teratogenic data available.

Specific Target Organ Toxicity (STOT):

Single Exposure: Aspiration during swallowing or vomiting may cause chemical pneumonia or lung damage.

Repeated Exposure: May cause damage to liver, kidneys, blood, and nervous system.

12. ECOLOGICAL INFORMATION

12.1 Toxicity:

LC50/96 hr for fish are between 10 and 100 mg/L.

12.2 Persistence and Degradability: Expected to biodegrade to a moderate extent.

12.3 Bio-accumulative Potential:. This material is not expected to bioacumulate.

12.4 Mobility in Soil: No data is available.

12.5 Other Adverse Effects: None known

12.6 Results of PBT/vPvB Assessment: Not required

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:
Regulations: Dispose in accordance with local and national environmental regulations.
Properties (Physical/Chemical) Affecting Disposal: None known.
Waste Treatment Recommendations: None needed for normal anticipated use.

14. TRANSPORT INFORMATION

	14.1 UN Number	**14.2 UN Proper Shipping Name**	**14.3 Hazard Class(s)**	**14.4 Packing Group**	**14.5 Environmental Hazards**
DOT	UN1307	Xylenes	3	PG III	No
ADR/RID	UN1307	Xylenes	3	PG III	No
IMDG	UN1307	Xylenes	3	PG III	No
IATA/ICAO	UN1307	Xylenes	3	PG III	No

14.6 Special precautions for user: Flammable liquid
14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not applicable – product is transported only in packaged form.

15. REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:

U.S. Federal Regulations

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA): This product has an RQ of 100 lbs. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations

Toxic Substances Control Act (TSCA): All of the ingredients in this product are listed on the EPA TSCA Inventory.

Clean Water Act (CWA): Not Listed

Clean Air Act (CAA): Not Listed

Superfund Amendments and Reauthorization Act (SARA) Title III Information:

SARA Section 311/312 (40 CFR 370) Hazard Categories:

Immediate Hazard:	**Yes**	**Pressure Hazard:**	**No**
Delayed Hazard:	**No**	**Reactivity Hazard:**	**No**
Fire Hazard:	**Yes**		

This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372):

Components	C.A.S. #	WT %
Xylene	1330-20-7	100

State Regulations

California: This product contains the following chemicals(s) known to the State of California to cause cancer, birth defects or reproductive harm:

Components	C.A.S. #	WT %
None		

International Regulations

Canadian Environmental Protection Act: All the components of this product are listed on the Canadian DSL.

Canadian Workplace Hazardous Materials Information System (WHMIS): Class B - Division 3 (Combustible Liquid), Class D-2-B (Skin Irritant)

EU REACH: The substances in this product comply with the EU REACH regulation as applicable.

16. OTHER INFORMATION

Full text of Classification abbreviations used in Section 2 and 3:

Xi Irritant
R10 Flammable.
R20/21 Harmful by inhalation and in contact with skin.
R38 Irritating to skin.
R65 Harmful: may cause lung damage if swallowed.
Flam Liq 1 Flammable Liquid Category 1
Acute Tox 4 Acute Toxicity Category 4
Skin Irrit 2 Skin Irritation Category 2
Aspir Tox 1 Aspiraation Toxicity Category 1
H224 Extremely flammable liquid and vapour
H302 Harmful if swallowed
H304 May be fatal if swallowed and enters airways
H315 Causes skin irritation
H332 Harmful if inhaled

Supersedes: May 15, 2012
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Data Sources: US NLM ChemID Plus and HSDB, Substance SDS for components, IUCLID Dataset EU Chemical Bureau, ESIS, Country websites for occupational exposure limits.