

# MATERIAL SAFETY DATA SHEET

o-Xylene Certified

## SECTION 1 . Product and Company Identification

Product Name and Synonym: o-Xylene Certified  
Product Code: X7514  
Material Uses:  
Manufacturer: Science Stuff  
1104 Newport Ave  
Austin, TX 78753  
(512) 837-6020  
Entry Date : 7/2/2013  
Print Date: 7/2/2013  
24 Hour Emergency Assistance : Chemtrec 800-424-9300  
Canutec 613-996-6666

Health:	2
Flammability:	3
Reactivity:	1

Hazard Rating:  
Least Slight Moderate High Extreme  
0 1 2 3 4  
NA=Not Applicable NE=Not Established

## SECTION 2 HAZARD IDENTIFICATION

Keep away from heat and ignition sources. May be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

## SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input checked="" type="checkbox"/>	o-Xylene Certified	CAS# 95-47-6	100%	V/V	ACGIH STEL 150 PPM TWA 100 PPM

## SECTION 4 FIRST AID MEASURES

Keep away from heat and ignition sources. May be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

## SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: carbon Dioxide, dry chemical powder, or appropriate foam. Water may be effective in cooling but may not effect extinguishment.  
Fire / Explosion Hazards: Vapor may travel considerable distance to an ignition source and flash back.

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Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

Evacuate area. Wear self-contained breathing apparatus and protective clothing. Eliminate all sources of ignition. Cover with activated carbon adsorbent. Take up and place in closed containers. Ventilate area and wash spill site after pickup is complete

**SECTION 7 HANDLING AND STORAGE**

Keep away from heat and flame. Do not get in eyes, on skin, or on clothing. Use with adequate ventilation.

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory Protection: NIOSH/MSHA-approved respirator.

Ventilation

Local Exhaust

Mechanical

Protective Gloves: Solvent-resistant gloves, as neoprene or nitrile.

Eye Protection: Splash Goggles

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Melting Point:	Information not available	Percent Volatile by Volume:	Information not available
Boiling Point:	143 - 145° C	Evaporation Rate	Information not available
Vapor Pressure:	<76mm Hg	Evaporation Standard	
Vapor Density:	3.7 g/L	Auto Ignition Temp	464°C
Solubility in Water:	Information not available	Lower Flamm. Limit in Air	1.1%
Appearance /Odors:	Clear liquid with distinct odor	Upper Flamm. Limit in Air	7%
Flash Point:	87.7°F (31°C)		
Specific Gravity:	0.88		

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability:	Stable
Conditions to Avoid:	Hygroscopic
Materials to Avoid:	Oxidizing agents
Hazardous Decomposition Products:	Oxides of Carbon
Hazardous polymerization:	Will Not Occur

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Conditions to Avoid:                      None known

**SECTION 11                      Toxicological Information**

O-Xylene:investigated as a reproductive effector.

Mixed Xylenes: Oral rat LD50: 4300 mg/kg; Inhalation rat LC50: 5000 ppm/4H; Skin Rabbit LD50: > 1700 mg/kg; Irritation, skin rabbit: 500 mg/24-hour, moderate (Standard Draize); Irritation, eye rabbit 87 mg, mild (Standard Draize). Investigated as a tumorigen, mutagen, reproductive effector.

Reproductive Toxicity:  
May cause teratogenic effects.

-----\Cancer Lists\-----

Ingredient	---NTP Carcinogen---		IARC Category
	Known	Anticipated	
o-Xylene (95-47-6)	No	No	3

**SECTION 12                      Ecological Information**

Environmental Fate:

Following data for xylene: When released into the soil, this material may evaporate to a moderate extent. When released into the soil, this material is expected to leach into groundwater. When released into the soil, this material may biodegrade to a moderate extent. When released into water, this material may evaporate to a moderate extent. When released into water, this material may biodegrade to a moderate extent. When released into the air, this material may be moderately degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material is expected to have a half-life of less than 1 day. This material is not expected to significantly bioaccumulate. (mixed xylenes: octanol / water partition coefficient 3.1 - 3.2; bioconcentration factor = 1.3, eels)

Environmental Toxicity:

For xylene: This material is expected to be slightly toxic to aquatic life. The LC50/96-hour values for fish are between 10 and 100 mg/l.

**SECTION 13                      Disposal Considerations**

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

**SECTION 14                      Transport Information**

Domestic (Land, D.O.T.)

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Proper Shipping Name: XYLENES  
Hazard Class: 3  
UN/NA: UN1307  
Packing Group: III  
Information reported for product/size: 4L

International (Water, I.M.O.)

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Proper Shipping Name: XYLENES  
Hazard Class: 3  
UN/NA: UN1307  
Packing Group: III  
Information reported for product/size: 4L

International (Air, I.C.A.O.)

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Proper Shipping Name: XYLENES  
Hazard Class: 3  
UN/NA: UN1307  
Packing Group: III  
Information reported for product/size: 4L

DOT Classification:                      UN1307, Xylene, 3, PG III

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

**SECTION 15                      Regulatory Information**

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-----\Chemical Inventory Status - Part 1\-----				
Ingredient	TSCA	EC	Japan	Australia
o-Xylene (95-47-6)	Yes	Yes	Yes	Yes

-----\Chemical Inventory Status - Part 2\-----				
--Canada--				
Ingredient	Korea	DSL	NDSL	Phil.
o-Xylene (95-47-6)	Yes	Yes	No	Yes

-----\Federal, State & International Regulations - Part 1\-----				
-SARA 302- -----SARA 313-----				
Ingredient	RQ	TPQ	List	Chemical Catg.
o-Xylene (95-47-6)	No	No	Yes	No

-----\Federal, State & International Regulations - Part 2\-----			
-RCRA- -TSCA-			
Ingredient	CERCLA	261.33	8(d)
o-Xylene (95-47-6)	1000	No	

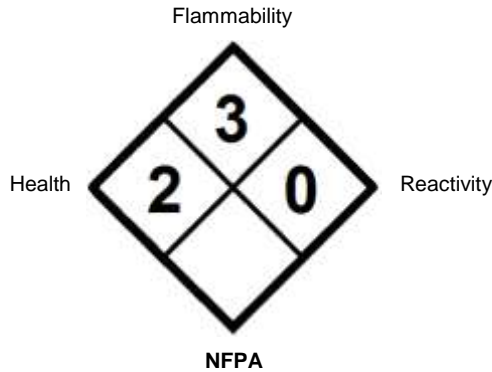
No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No  
 SARA 311/312: Acute: Yes Chronic: Yes Fire: Yes Pressure: No  
 Reactivity: No (Pure / Liquid)

Australian Hazchem Code: 3[Y]  
 Poison Schedule: S6  
 WHMIS:

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

**SECTION 16 Additional Information**



**Revisions**

0.1      Revised to 16 sec LS
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The information herein is believed to be accurate and is offered in good faith for the user's consideration and investigation. No warranty either expressed or implied is made for the completeness or accuracy of the information whether originating from the above mentioned company or not. Users of this material should satisfy themselves by independent investigation of current scientific and medical knowledge that the material can be used safely.