

(CODE) DOCUMENT: WI

(CODE) SECTION : WI/SM



Issue: 02

Rev.: 00

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(DATE): 01.04.2011

An ISO-9001:2008 Certified Company

Quality Assurance Department

Title: MATERIAL SAFETY DATA SHEET (MSDS): XYLENE SULPHUR FREE

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SECTION 1- COMPOUND NAME AND COMPANY INFORMATION MSDS Name: Xylene sulphur free Catalog Numbers: X003 Synonyms: Unlisted

Company Information: LEONID CHEMICALS Pvt Ltd,

62/A-2, 1st Stage,

Yeshvanthpur Industrial Suburb,

Asoka puram School Road,

Bangalore -22, Karnataka, INDIA

Ph- +91-80-23378354

Fax: +918023378354/23377126

SECTION 2-COMPOSITION, INFORMATION ON INGREDIENTS

CAS# : 1330-20-7
Chemical Name : Xylene
% : 95%

EINECS# : 215-535-7
Hazard Symbols : None Listed
Risk Phrases : None Listed

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Not available.

Potential Health Effects

Eye:

Causes severe eye irritation.



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Skin: Exposure may cause irritation characterized by redness, dryness, and inflammation. Prolonged and/or repeated contact may cause defatting of the skin and dermatitis. Skin absorption is slight.

Ingestion:

May cause central nervous system depression, kidney damage, and liver damage. Symptoms may include: headache, excitement, fatigue, nausea, vomiting, stupor, and coma. Causes gastro intestinal irritation with nausea, vomiting and diarrhea.

Inhalation:

Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. Inhalation of vapor may cause respiratory tract irritation.

Prolonged exposure may result in dizziness and general weakness. Irritation may lead to chemical pneumonitis and pulmonary edema.

Chronic:

Chronic exposure to organic solvents has been associated with various neurotoxic effects including permanent brain and nervous system damage.

SECTION 4 -FIRST	AID MEAS			
Eyes:				
Immediately flush	eyes with	plenty of wa	ter for at least 15 minutes	, occasionally lifting
the upper and low	er evelids.	Get medica	l aid immediately.	

Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Discard contaminated clothing in a manner which limits further exposure.

Ingestion:

Skin:

Do not induce vomiting. If victim is conscious and alert, give 2-4cupfuls of milk or water. Never give anything by mouth to an unconscious person. G et medical aid immediately. Inhalation:

Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Notes to Physician:

SECTION 5-FIRE FIGHTING MEASURES

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors can travel to a source of ignition and flash back.

Extinguishing Media: For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. Use water spray to cool fire-exposed containers.



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SECTION 6 -ACCIDENTAL RELEASE MEASURES

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition.

SECTION 7 -HANDLING AND STORAGE

Handling:

Wash thoroughly after handling. Remove contaminated clothing and w ash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Storage:

Keep away from heat, sparks, and flame. Keep from contact with oxidizing materials. Store in a cool, dry, well-ventilated area away from incompatible substances.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Personal Protective Equipment

Eyes:

Wear safety glasses and chemical goggles if splashing is possible.

Skin:

Wear appropriate gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to minimize contact with skin.

Respirators:

A NIOSH /MSHA approved or European Standard EN 149 air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected.

SECTION 9 -PHYSICAL AND CHEMICAL PROPERTIES

Physical State : Liquid

Color : Colorless liquid
Odor : Aromatic odor
pH : Not available.
Vapor Pressure : 6.72 mm H g
Viscosity : <32.6 SU S
Boiling Point : 138.3 °C



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Freezing/Melting Point : -47.4°C

Autoignition Temperature : 527° C (980.60 °F) Flash Point : 32° C (89.60 °F)

Explosion Limits, lower : 1.1 Explosion Limits, upper : 6

Decomposition Temperature : Not available.

Solubility in water : Insoluble in water, soluble in alcohol

Specific Gravity/Density : 0.864 g/mLMolecular Formula : C_8H_{10} Molecular Weight : 106.07

SECTION 10 -STABILITY AND REACTIVITY

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

High temperatures, incompatible materials, ignition sources.

Incompatibilities with Other Materials:

Strong acids, strong oxidizers and 1,3-dichloro-5,5-dimethyl-2,4-imidazolidindione (dichlorohydrantoin). Attacks some forms of plastics, rubber and coatings.

Hazardous Decom position Products:

Carbon monoxide, carbon dioxide.

Hazardous Polymerization:

Has not been reported.

SECTION 11-TOXICOLOGICAL INFORMATION

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RTECS#:

CAS# 1330-20-7: ZE2100000

LD50/LC50:

CAS# 1330-20-7: Draize test, rabbit, eye: 87 mg Mild; Draize test, rabbit, eye: 5 mg/24H Severe; Draize test, rabbit, skin: 100% Moderate; Draize test, rabbit, skin: 500 mg/24H Moderate; Inhalation, rat: LC50 = 5000 ppm/4H; Oral, mouse: LD50 = 2119 mg/kg; Oral, rat: LD50 = 4300 mg/kg; Skin, rabbit: LD50 = >1700 mg/kg.

Carcinogenicity:

Xylene (o-, m-, p-isomers) -Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA. See actual entry in RTECS for complete information.

SECTION 12-ECOLOGICAL INFORMATION

Ecotoxicity: Acute and long-term toxicity to fish and invertebrates: LD50 for gold fish is 13 mg/L/24 hr.



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SECTION 13 -DISPOSAL CONSIDERATIONS

Products which are considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local waste regulator for advice. Empty containers must be decontaminated before returning for recycling.

SECTION 14 -TRANSPORT INFORMATION

IATA

Shipping Name : XYLENES

Hazard Class : 3 UN Number : 1307 Packing Group : III

IMO

Shipping Name : XYLENES

Hazard Class : 3 UN Number : 1307 Packing Group : III

RID/ADR

Shipping Name : XYLENES

Hazard Class : 3 UN Number : 1307 Packing group : III

USA RQ :CAS# 1330-20-7: 100 lb final RQ ; 45.4 kg final RQ

SECTION 15-REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available. Risk Phrases: Not available.

Safety Phrases:

WGK (Water Danger/Protection)

CAS# 1330-20-7: 2

United Kingdom Occupational Exposure Limits

CAS# 1330-20-7:

OES-United Kingdom, TWA 50 ppm TWA; 220 mg/m³ TWA CAS# 1330-20-7:

OES-United Kingdom, STEL 100 ppm STEL;441 mg/m³ STEL

United Kingdom Maxim um Exposure Lim its

Canada

CAS# 1330-20-7 is listed on Canada's DSL List.CAS# 1330-20-7 is not listed on Canada's Ingredient Disclosure List.



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Title: MATERIAL SAFETY DATA SHEET (MSDS): XYLENE SULPHUR FREE

Exposure Limits

CAS# 1330-20-7: OEL-ARAB Republic of Egypt: TWA 0.5 ppm (0.9 mg/m³) OEL-AUSTRALIA:TWA 80 ppm (330 mg/m³);STEL 150 ppm (655 mg/m³) OEL-BELGIUM:TWA 100 ppm (434 mg/m³);STEL 150 ppm (651 mg/m3)

OEL-CZECHOSLOVAKIA:TWA 200 mg/m³;STEL 1000 mg/m³

OEL-DENMARK: TWA 50 ppm (217 mg/m³); Skin

OEL-FINLAND: TWA 100 ppm (435 mg/m³); STEL 150 ppm; Skin

OEL-FRANCE: TW A 100 ppm (435 mg/m³); STEL 150 ppm (650 mg/m³)

OEL-GERMANY: TWA 100 ppm (440 mg/m³)

OEL-HUNGARY:TWA 100 mg/m³;STEL 300 mg/m³

OEL-JAPAN:TWA 100 ppm (430 mg/m³)

OEL-THE NETHERLANDS:TWA 100 ppm (435 mg/m³);Skin

OEL-THE PHILIPPINES: TWA 0.1 mg/m³

OEL-POLAND: TWA 100 mg/m³

OEL-SW EDEN:TWA 50 ppm (200 mg/m³);STEL 100 ppm (450 mg/m³);Skin OEL-SW ITZERLAND:TWA 100 ppm (436 mg/m³);STEL 200 ppm (870 mg/m³)

OEL-THAILAND:TW A 100 ppm (435 mg/m³)

OEL-TURKEY:TW A 100 ppm (435 mg/m³)OEL-UNITED KINGDOM:TWA 100 ppm (435

mg/m³);STEL 150 ppm; Skin

OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH TLVOEL IN NEW ZEALAND,

SINGAPORE, VIETNAM check ACGI TLV

US FEDERAL

TSCACAS# 1330-20-7 is listed on the TSCA inventory.

SECTION 16 -ADDITIONAL INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any

other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Leonid Chemicals Pvt. Ltd. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, however arising, even if Leonid Chemicals Pvt. Ltd. has been advised of the possibility of such damages.



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(CODE) DOCUMENT : R/QPM/8.2.4/06

(CODE) SECTION: X003 DATE): 01.04.2011

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Quality Assurance Department

Title: SPECIFICATION MANUAL - XYLENE SULPHUR FREE

Specification manual - Xylene (Sulphur free)

C₈H₁₀ MW: 106.17

Product : Xylene (Sulphur free)

Description : Clear liquid

Cat No : X003

Cas No : 1330-20-7
Prepared Date : 03.06.2010
Approved Date : 03.06.2010

REVISION HISTORY							
Issue/Rev	Description of Change			Author	Effective Date		
01/00	Initial Release			S. Paul Joshua	03.06.2010		
02/00	Reviewed no changes			S. Paul Joshua	01.04.2011		
Next Review Due:		02.04.2015					
To be reviewed by :		Head-QC/QA					

Sl. No.	Tests	Specification	
140.		LR	
1	Boiling range	137-142°C	
2	Sulphur compounds	0.0003%	