

MATERIAL SAFETY DATA SHEET

SVC-1610

1. IDENTIFICATION OF SUBSTANCE /PREPARATION

Trade Name Xylene.

Company Identification Solv-Echem Ireland Ltd,
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2. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Characterization

CAS No. Description 1330-20-7 Xylene (Mix).

EINECS Number 215-535-7.

EU Number 601-022-00-9.

3. HAZARD IDENTIFICATION

Hazard Description Xn Harmful.

Information Concerning Particular Hazards for Humans & Environment

R 10 Flammable.

R 20/ 21 Harmful by inhalation and in contact with skin.

R 38 Irritating to skin.

4. FIRST AID MEASURES

General Symptoms Symptoms of poisoning may even occur after several hours, therefore medical observation for at least 48 hours after the accident.

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First Aid Measures continued...

Inhalation	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult a doctor if symptoms persist. In case of unconsciousness place patient in stable side position for transportation.
Skin Contact	Immediately wash with water and soap and rinse thoroughly.
Eye Contact	Rinse opened eye for several minutes under running water.
Ingestion	If symptoms persist consult a doctor.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Agents	CO ₂ , powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Protective Equipment	Mount respiratory protective device.
For Safety Reasons Unsuitable Extinguishing Agents	Water with full jet.

6. ACCIDENTAL RELEASE MEASURES

Personnel Safety Precautions	Wear protective equipment. Keep unprotected persons away.
Measures for Environmental Protection	Do not allow to enter sewers/ surface or ground water.
Measures for Cleaning/ Collecting	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation

7. HANDLING AND STORAGE

Information for Safe Handling	Ensure good ventilation/ exhaustion at the workplace.
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Handling & Storage continued...

Information about Fire & Explosion Protection

Keep ignition sources away. Do not smoke. Protect against electrostatic charges.

Requirements to be Met by Storerooms & Receptacles

No special requirements.

Information about Storage in One Common Storage Facility

Not required.

Further Information About Storage Conditions

Keep receptacle tightly sealed.

Class According to Regulation on Flammable Liquids

A II.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION
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Additional Information about Design of Technical Facilities

No further data. See Item 7.

Ingredients with Limit Values that Require Monitoring at the Workplace

1330-20-7 Xylene (Mix).

OES Short-term value: 662 mg/m³, 150ppm.
Long-term value: 441 mg/m³, 100ppm.

Additional Information

The lists valid during the making were used as basis.

Personal Protective Equipment

General Protective & Hygienic Measures

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work. Avoid contact with the skin and eyes.

Respiratory Protection

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of Hands

Protective gloves.

Eye Protection

Tightly sealed goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

(Refer to Specification No: 161 for further information)

Form	Fluid.
Colour	Colourless.
Odour	Aromatic.
<u>Change in Condition</u>	
Melting Point/ Melting Range	- 34°C.
Boiling Point/ Boiling Range	137-143°C.
Flash Point	30°C.
Ignition Temperature	500°C.
Danger of Explosion	Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.
Explosion Limits:	
Lower	1.1 Vol%.
Upper	7 Vol%.
Vapour Pressure at 20°C	6.7-8.2 hPa.
Density at 20°C	0.87 g/cm ³ .
Solubility in/ Miscibility with Water at 20°C	
	0.2 g/l.
Viscosity: Dynamic at 20°C	0.61 mPas.

10. STABILITY & REACTIVITY

Thermal Decomposition/ Conditions to Avoid

No decomposition if used according to specifications.

Dangerous Reactions

No dangerous reactions known.

Dangerous Decomposition Products

No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

LD/ LC₅₀ values relevant for classification:

Oral	LD ₅₀	8700 mg/kg (rat).
Dermal	LD ₅₀	2000 mg/kg (rabbit).
Inhalative	LC ₅₀ / 4h	6350 mg/l (rat).

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Toxicological Information continued...

Primary Irritant Effect:

On the Skin	Irritant to skin and mucous membranes.
On the Eye	No irritating effect.
Sensitization	No sensitizing effects known.

12. ECOLOGICAL INFORMATION

General Notes	Water danger class 3 (German Regulation) (Assessment by list): Hazardous for water. Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even small quantities leak into the ground.
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13. DISPOSAL CONSIDERATION

Product Recommendation	Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
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Uncleaned Packaging Recommendation	Disposal must be made according to official regulations.
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14. TRANSPORT INFORMATION

Land Transport ADR/ RID (cross-border)

ADR/ RID Class	3	Flammable liquids.
Item	31c.	
Danger Code (Kemler)	30.	
UN Number	1307.	
Hazard Label	3.	
Description of Goods	1307	Xylene.

Maritime Transport IMDG

IMDG Class	3.3.
Page	3394.
UN Number	1307.
Packaging Group	III.

Transport Information continued...

EMS Number 3-07.
MFAG 310.
Proper Shipping Name Xylene.

Air Transport ICAO-TI and IATA-DGR

ICAO/ IATA Class 3.
UN/ ID Number 1307.
Packaging Group III.
Proper Shipping Name Xylene.

15. REGULATORY INFORMATION

Labelling According to EU Guidelines

The product has been classified and marked in accordance with EU Directives/ Ordinance on Hazardous Materials.

Code Letter & Hazard Designation of Product

Xn Harmful.

Risk Phrases

R 10 Flammable.

R 20/21 Harmful by inhalation and in contact with skin.

R 38 Irritating to skin.

Safety Phrases

S 2 Keep out of the reach of children.

S 25 Avoid contact with eyes.

Relevant Statutory Instruments

1972/ 0

Dangerous Substances Act, 1972.

S.I. 1980/ 235

Dangerous Substances (Conveyance of Scheduled Substances by Road) (Trade or Business Regulations, 1980).

S.I. 1980/236

Dangerous Substances Act, 1972 (Part IV Declaration) Order, 1980.

S.I. 1986/267

Dangerous Substances Act, 1972 (Part IV Declaration) Order 1980.

Regulatory Information continued...

S.I. 1986/268	Dangerous Substances (Conveyance of Scheduled Substances by Road) (Trade or Business) (Amendment) Regulations, 1986.
S.I. 1986/269	Dangerous Substances (European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR) Regulations, 1986.
S.I. 1994/445	Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulation, 1994.

16. REGULATORY INFORMATION

Other Information

This information only concerns the above mentioned product and does not need to be valid if used with other product(s) or in any process. The information is to Solv-Echem Ireland Ltd's best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.

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