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# ReAgent

## SAFETY DATA SHEET XYLENE TECH

According to Regulation (EC) No 1907/2006

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	XYLENE TECH
PRODUCT NO.	2607
APPLICATION	General chemical reagent
SUPPLIER	Reagent Chemical Services 18 Aston Fields Road Whitehouse Industrial Estate Runcorn Cheshire WA7 3DL T: 01928 716903 F: 01928 716425 E: <a href="mailto:info@reagent.co.uk">info@reagent.co.uk</a>
EMERGENCY TELEPHONE	Emergency Telephone : +44 (0) 1928 716903 Between 08.30 - 17.00

### 2 HAZARDS IDENTIFICATION

Flammable. Irritating to skin. Harmful by inhalation and in contact with skin.

CLASSIFICATION -

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

EU INDEX NO.	601-022-00-9
EC No.	215-535-7
CAS-No.	1330-20-7

### 4 FIRST-AID MEASURES

#### GENERAL INFORMATION

CAUTION! First aid personnel must be aware of own risk during rescue! First aid personnel must protect themselves with all necessary personal protective equipment during the assistance of casualties. When breathing is difficult, properly trained personnel may assist the casualty by administering oxygen. If casualty needs to be resuscitated avoid mouth to mouth contact, use a mechanical device such as a bag and mask to provide artificial respiration. Place unconscious person on the side in the recovery position and ensure breathing can take place. Do not give victim anything to drink if they are unconscious. If medical attention is required take this information sheet with the casualty.

#### INHALATION

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. In case of severe exposure or if any discomfort continues get medical attention.

#### INGESTION

Do not induce vomiting. Immediately rinse mouth and drink plenty of water. Get medical attention immediately!

#### SKIN CONTACT

Immediately remove contaminated clothing and wash before re-use. Wash skin thoroughly with soap and water. In serious cases or if discomfort continues obtain medical attention.

#### EYE CONTACT

Promptly wash eyes with plenty of water or eye wash solution while lifting the eyelids. If possible remove any contact lenses and continue to wash. Get medical attention.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Foam, dry powder, carbon dioxide or vaporising liquids.

#### UNUSUAL FIRE & EXPLOSION HAZARDS

FLAMMABLE. Vapours are heavier than air and may spread near ground to sources of ignition. Forms explosive mixtures with air.

#### PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## XYLENE TECH

### 6 ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

#### SPILL CLEAN UP METHODS

Remove sources of ignition. Small Spillages Absorb with inert, non-combustible material. Large Spillages Dam and absorb spillages with sand, earth or other inert, non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Wash spillage site well with water and detergent, be aware of the potential for surfaces to become slippery. Ventilate well. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Keep containers away from sources of ignition. Wash thoroughly after dealing with a spillage. After spillages in enclosed areas test atmosphere before using any potential ignition sources.

### 7 HANDLING AND STORAGE

#### USAGE PRECAUTIONS

Eliminate all sources of ignition. Static electricity and formation of sparks must be prevented. Avoid inhalation of vapours/spray and contact with skin and eyes.

#### STORAGE PRECAUTIONS

Flammable/combustible - Keep away from oxidisers, heat and flames. Store in closed original container at temperatures between 15°C and 25°C. Store away from direct sunlight and moisture

#### STORAGE CLASS

Flammable liquid storage.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
		ppm(Sk)	mg/m3(Sk)	ppm(Sk)	mg/m3(Sk)	
XYLENE TECH	OES	50 ppm(Sk)	220 mg/m3(Sk)	100 ppm(Sk)	441 mg/m3(Sk)	

#### ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit is not exceeded. Explosion-proof general and local exhaust ventilation.

#### RESPIRATORY EQUIPMENT

Chemical respirator with organic vapour cartridge. Consult with the supplier as to the compatibility of the equipment with the chemical of concern.

#### HAND PROTECTION

Use protective gloves. Polyvinyl alcohol (PVA). Polyethylene/Ethylene Vinyl Alcohol (PE/EVAL). Viton rubber (fluor rubber). Be aware that the liquid may penetrate the gloves. Frequent change is advisable. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

#### EYE PROTECTION

Wear approved safety goggles.

#### OTHER PROTECTION

Wear suitable protective clothing as protection against splashing or contamination. Provide eyewash station. Provide eyewash station and safety shower. If there is a risk of splashing then wear a face shield. Wear plastic apron and full length gloves if handling large amounts.

#### HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes wet or contaminated. When using do not eat, drink or smoke.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid	MELTING POINT (°C)	- 95
COLOUR	Colourless	VAPOUR DENSITY (air=1)	3.66
ODOUR	Characteristic	FLASH POINT (°C)	25
SOLUBILITY	Immiscible with water	FLAMMABILITY LIMIT - LOWER(%)	1.1
BOILING POINT (°C)	140		
RELATIVE DENSITY	0.86		
VAPOUR PRESSURE	6.7 mm Hg 21		
AUTO IGNITION	465		
TEMPERATURE (°C)			
FLAMMABILITY LIMIT - UPPER(%)	7		

## XYLENE TECH

**10 STABILITY AND REACTIVITY**

## STABILITY

Stable under normal temperature conditions.

## CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

## MATERIALS TO AVOID

Strong oxidising substances. Nitric acid. Concentrated sulphuric acid.

**11 TOXICOLOGICAL INFORMATION**

TOXIC DOSE 1 - LD 50                      4300 mg/kg (oral rat)

TOXIC CONC. - LC 50                      5000 ppm/4h (inh-rat)

## INHALATION

May cause oedemas in the respiratory tract.

## INGESTION

Gastrointestinal symptoms. Risk of aspiration upon vomiting. Absorption of toxic quantities causes drowsiness, dizziness and possible narcosis.

## SKIN CONTACT

Irritation Product has a defatting effect on skin. Repeated exposure may cause skin dryness or cracking. May cause secondary inflammation.

## EYE CONTACT

Irritating to eyes.

## HEALTH WARNINGS

Animal experiments indicate possible teratogenic effects.

## TARGET ORGANS

May cause damage to the liver and urinary tract.

**12 ECOLOGICAL INFORMATION**

## ECOTOXICITY

Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment. The substance forms a layer on the water surface which could be potentially explosive. Do not allow to enter drinking water, waste water or soil.

LC 50, 96 Hrs, FISH mg/l                      14 (Onchorhynchus mykiss)

## BIOACCUMULATION

Medium.

**13 DISPOSAL CONSIDERATIONS**

## DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

**14 TRANSPORT INFORMATION**

UK ROAD CLASS                              3

PROPER SHIPPING NAME                      XYLENES

UN NO. ROAD                                      1307

ADR CLASS NO.                                      3

ADR PACK GROUP                                      III

HAZCHEM CODE                                      3Y

RID CLASS NO.                                      3

UN NO. SEA    1307

UK ROAD PACK GR.                                      III

ADR CLASS    Class 3: Flammable liquids.

ADR LABEL NO.    3

CEFIC TEC(R) NO.                                      30GF1-III

RID PACK GROUP                                      III

IMDG CLASS    3

**XYLENE TECH**

IMDG PAGE NO.	3	IMDG PACK GR.	III
EMS	F-E, S-D	MFAG	See Guide
MARINE POLLUTANT	No.	UN NO. AIR	1307
AIR CLASS	3	AIR PACK GR.	III

**15 REGULATORY INFORMATION**

## LABELLING



Harmful

## RISK PHRASES

R10	Flammable.
R38	Irritating to skin.
R20/21	Harmful by inhalation and in contact with skin.

## SAFETY PHRASES

S2	Keep out of the reach of children
S25	Avoid contact with eyes.

## UK REGULATORY REFERENCES

Fire precautions Act 1971.

## STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

## APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply. COSHH essentials: Easy steps to control chemicals. Control of Substances Hazardous to Health Regulations.

## GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37.

## NATIONAL REGULATIONS

Control of Substances Hazardous to Health Regulations 2002 (as amended)

**16 OTHER INFORMATION**

## REVISION COMMENTS

Changes to sections 4, 11

REVISION DATE 17/08/2009

REV. NO./REPL. SDS GENERATED 2

SDS NO. 20831

## SAFETY DATA SHEET STATUS

Approved.