



SDS

COD:BI-HSE-SFO-0250-00

Product Name: Xylenes Mix

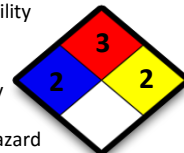
Company: Bandar Imam Petrochemical Company-Faravaresh

Catalogue NO: S.X.1307.3

Unit: AR

Section 1: Identification

Product Name : Xylenes Mix	Other Name: Di methyle benzene,Zylone.			<input type="checkbox"/> Flammability
Formula: C ₈ H ₁₀	CAS NO: 1330-20-7	UN NO: 1307	Class: 3	<input checked="" type="checkbox"/> Health
Identified Uses: Reagent for analysis, Solvent.				<input type="checkbox"/> Instability
Telephone & Telefax: 0615225-2300 , 2311		Address Email : dmooffice@bipc.org.ir		<input type="checkbox"/> Special hazard
Emergency phone number: 2222-125-119 / 2242-115				



Section 2: Hazard(s) Identification

Classification of the substance or mixture: Flammable liquid, Acute toxicity(Inhalation,Dermal), Skin irritation, Eye irritation, Specific target organ toxicity - repeated exposure(hearing organs), Aspiration hazard.

Label elements: Labelling (REGULATION (EC) No 1272/2008)

Signal word: Warning.

Hazard pictogram



Flammable



Harmful



Irritation

Hazard statements:: Flammable liquid and vapour. May be fatal if swallowed and enters airways. Harmful in contact with skin or if inhaled. Causes skin irritation. Causes serious eye irritation. May cause damage to organs (hearing organs) through prolonged or repeated exposure. May be fatal if swallowed and enters airways.

Precautionary statements

Prevention: Keep away from heat.

Response: Rinse mouth. Do not induce vomiting. Wash with plenty of soap and water. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/ attention if you feel unwell.

Other hazards: None known.

Section 3: Composition/Information on Ingredients

Name	Formula	CAS NO	Concentration%	Classification
m-xylene	C ₈ H ₁₀	108-38-3	(>= 25 % - < 50 %)	Flammable liquid, Acute toxicity, Acute toxicity, Skin irritation
p-xylene	C ₈ H ₁₀	106-42-3	(>= 20 % - < 25 %)	Flammable liquid, Acute toxicity, Acute toxicity, Skin irritation
o-xylene	C ₈ H ₁₀	95-47-6	(>= 12,5 % - < 20 %)	Flammable liquid, Acute toxicity, Acute toxicity, Skin irritation, Eye irritation. Specific target organ toxicity - single exposure. Aspiration hazard. Chronic aquatic toxicity.
ethylbenzene	C ₈ H ₁₀	100-41-4	(>= 10 % - < 20 %)	Flammable liquid, Acute toxicity, Specific target organ toxicity - repeated exposure, Aspiration hazard.
Toluene	C ₇ H ₈	108-88-3	(>= 0,3 % - < 1 %)	Flammable liquid, Skin irritation, Specific target organ toxicity - repeated exposure, Reproductive toxicity, Aspiration hazard, Specific target organ toxicity - single exposure.

Section 4: First-Aid Measures

Description of first aid measures

After inhalation: fresh air. If breathing stops: mouth-to-mouth breathing or artificial respiration. Oxygen if necessary. Immediately call in physician.

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Consult a physician.

After eye contact: Rinse out with plenty of water.

After swallowing: Caution if victim vomits. Risk of aspiration! Keep airways free. Pulmonary failure possible after aspiration of vomit. Call a physician immediately.

Most important symptoms and effects, both acute and delayed

irritant effects : somnolence, Dizziness, Headache, euphoria, agitation, spasms, narcosis.

Indication of any immediate medical attention and special treatment needed:

No information available.

Section 5: Fire-Fighting Measures

Extinguishing Media: Foam, Carbon dioxide (CO₂), Dry powder

Special hazards arising from the substance or mixture



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Combustible. Vapours are heavier than air and may spread along floors. Forms explosive mixtures with air at elevated temperatures. Development of hazardous combustion gases or vapours possible in the event of fire.

Advice for firefighters

Special protective equipment for firefighters: Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

Further information: Remove container from danger zone and cool with water. Prevent fire extinguishing water from contaminating surface water or the ground water system.

Section 6: Accidental Release Measures

Personal precautions ,protective equipment and emergency procedures for:

Advice for non-emergency personnel: Do not breathe vapours, aerosols. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, consult an expert.

Advice for emergency responders: Protective equipment see section 8.

Environmental precautions: Do not let product enter drains. Risk of explosion.

Methods and materials for containment and cleaning up: Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material. Dispose of properly. Clean up affected area.

Reference to other sections: Indications about waste treatment see section 13.

Section 7: Handling and Storage

Precautions for safe handling

Advice on safe handling: Work under hood. Do not inhale substance/mixture.

Advice on protection against fire and explosion: Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.

Hygiene measures: Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition. Recommended storage temperature see product label.

Specific end use(s): Apart from the uses mentioned in section 2 no other specific uses are stipulated.

Section 8: Exposure Controls/Personal Protection

Engineering measures: Technical measures and appropriate working operations should be given priority over the use of personal protective equipment (See section 7). Using the earth system , Topical ventilation ,Gas detectors, Cooling system firvtanks and Anti spark system.

Individual protection measures:Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

Eye/face protection : Safety glasses .

Hand protection:

	Full contact	splash contact
Glove material	Viton(R)	Nitrile rubber
Glove thickness	0.70 mm	0,40 mm
Break through time	>480 min	> 30 min

Other protective equipment: Flame retardant antistatic protective clothing.

Respiratory protection : required when vapours/aerosols are generated. Recommended Filter type A for vapours of organic compounds The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Environmental exposure controls: Do not let product enter drains. Risk of explosion.

Section 9: Physical and Chemical Properties

From: Liquid.	Relative density, gas (air=1): 3.7 g/cm3	PH: No information available.
Color: colourless.	Relative density, liquid (water=1): 0.860	FLASH POINT: 26 °C
Odour: sweet.	Vapour pressure: 6.72 mmHg	AUTOIGNITION TEMP: 466°C
Molar Mass: 106 g/mol	Viscosity dynamic: No information available.	LEL (V/V %): 1.1 %
Water solubility: Insoluble.	Oxidizing properties: none.	UEL (V/V %): 6.6%
Melting point/range: -47 °C	Decomposition temperat: No information available.	
Boiling point/range: 137 - 143 °C	Explosive properties: Not classified as explosive.	



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Section 10: Stability and Reactivity

Reactivity: Vapour/air-mixtures are explosive at intense warming.

Chemical stability: The product is chemically stable under standard ambient conditions (room temperature).

Possibility of hazardous reactions:

Violent reactions possible with: Strong oxidizing agents, conc. sulfuric acid, sulfur.

Risk of explosion with: Nitric acid, uranium hexafluoride.

Conditions to avoid: Heating.

Incompatible materials: rubber, various plastics, Light metals.

Hazardous decomposition products: no information available.

Section 11: Toxicological Information

Information on toxicological effects		Endpoint	Species	Exposure route	Value
OT:-	TLV-TWA:100 PPM	LD50	Rat	swallowing	4300 mg/kg
IDLH: :10000 PPM	TLV-STEL:150 PPM	LC50	Rat	inhalation	5000 ppm. 4 h ; vapour

Sensitisation: This information is not available. **Carcinogenicity:** This information is not available. **Teratogenicity:** This information is not available.

Specific target organ toxicity - single exposure: This information is not available.

Specific target organ toxicity - repeated exposure: May cause damage to organs through prolonged or repeated exposure.

Target Organs: hearing organs.

Aspiration hazard: Aspiration may cause pulmonary oedema and pneumonitis.

Systemic effects: Headache, somnolence, Dizziness, euphoria, agitation, spasms, narcosis.

Effect potentiated by: ethanol.

After long-term exposure to the chemical: Dermatitis.

Damage to: Kidney, Central nervous system, Liver.

Other dangerous properties can not be excluded.

Handle in accordance with good industrial hygiene and safety practice.

Section 12: Ecological Information (non-mandatory)

Toxicity: No information available.

Persistence and degradability: No information available.

Bioaccumulative potential: No information available.

Mobility in soil: :No information available.

Other adverse effects: Discharge into the environment must be avoided.

Section 13: Disposal Considerations (non-mandatory)

Waste treatment methods: Avoid transferring material to another location. Collect it with sand and other absorbent materials. Pour into the pan.

Rinse the contaminated environment with appropriate water and detergent.

Section 14: Transport Information (non-mandatory)

Basic shipping description:

In accordance with TDG

Transport hazard class(es): Flammable Liquid.

Labelling



Proper shipping name: Xylenes Mix.

UN number: 1307

Class: 3

Packing group: III

Environmentally hazardous:-

Special precautions for user: no.

Section 15: Regulatory Information

Safety, Health and Environmental regulations / legislation specific for the substance or mixture

Major accident hazard: SEVESO III.

Legislation: FLAMMABLE LIQUIDS.

National legislation: Storage class 3

Chemical safety assessment: For this product a chemical safety assessment was not carried out.

Section 16: Other information

Further information

Full text of H-Statements referred to under sections 2 and 3.

H225: Highly flammable liquid and vapour.

H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H312: Harmful in contact with skin.

H315: Causes skin irritation.

H319: Causes serious eye irritation.



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H332: Harmful if inhaled.

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

H361d: Suspected of damaging the unborn child.

H373: May cause damage to organs through prolonged or repeated exposure.

H412: Harmful to aquatic life with long lasting effects.

Training advice

Provide adequate information, instruction and training for operators

Issue Date: 2019.11.20

Last revised date: 2020.02.20

Version: 1.1

Editors: HS&E Manager.

Reference:

according to Regulation (EC) No. 1907/2006

DISCLAIMER OF LIABILITY

The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of any properties of the product.