


# SAFETY DATA SHEET

## METAXYLENE

### SECTION 1: Identification of the substance/mixture and of the company/undertaking Trade name:

<b>1.1 Product identifier:</b>	
<b>CAS Number:</b>	108-38-8
<b>EC number:</b>	203-576-3
<b>1.2 SYNONYMS:</b>	<ul style="list-style-type: none"> <li>M-xylene</li> </ul>

### SECTION 2: Hazards identification:

<b>2.1 Classification of the substance or mixture:</b>	Classification according to Regulation (EC) No 1272/2008 The substance is classified according to the CLP regulation.
<b>2.2 Label elements:</b>	Labelling according to Regulation (EC) No 1272/2008 Flammable liquids, (Category 3) Acute toxicity, inhalation (Category 4) Acute toxicity, dermal (Category 4) Skin irritation, (Category 2) Eye irritation, (Category 2) Specific target organ toxicity - single exposure, (Category 3), Respiratory system Aspiration hazard, (Category 1) Long-term (chronic) aquatic hazard, (Category 3)
<b>Hazard Pictograms:</b>	
<b>Signal Word:</b>	Danger
<b>Hazard statements:</b>	<b>H226:</b> Flammable liquid and vapor. <b>H304:</b> May be fatal if swallowed and enters airways. <b>H312 + H332:</b> Harmful in contact with skin or if inhaled. <b>H315:</b> Causes skin irritation.

	<p><b>H319:</b> Causes serious eye irritation.</p> <p><b>H335:</b> May cause respiratory irritation.</p> <p><b>H412:</b> Harmful to aquatic life with long lasting effects.</p>
<b>Precautionary Statements:</b>	<p><b>P210:</b> Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p><b>P273:</b> Avoid release to the environment.</p> <p><b>P280:</b> Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p><b>P301 + P310:</b> IF SWALLOWED: Immediately call a POISON CENTER/ doctor.</p> <p><b>P303 + P361 + P353:</b> IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.</p> <p><b>P331:</b> Do NOT induce vomiting.</p> <p><b>P405:</b> Store locked up.</p> <p><b>P501:</b> Dispose of contents/ container to an approved waste disposal plant.</p>
<b>2.3 Other hazards:</b>	
<b>Inhalation:</b>	can cause symptoms such as headache, dizziness, nausea, and respiratory irritation, and prolonged exposure may lead to central nervous system depression.
<b>Ingestion:</b>	can cause gastrointestinal irritation, nausea, vomiting, and central nervous system effects such as dizziness, drowsiness, or unconsciousness in severe cases.
<b>Skin Contact:</b>	m-xylene can cause irritation, dryness, and redness, and prolonged or repeated exposure may lead to dermatitis.
<b>Eye contact:</b>	can cause irritation, redness, tearing, and a burning sensation.

<b>Chronic Exposure:</b>	may lead to liver and kidney damage, nervous system effects such as memory loss or impaired coordination, and potential hearing loss with prolonged high-level exposure.
<b>Aggravation of pre-existing conditions:</b>	may aggravate pre-existing conditions involving the skin, liver, kidneys, respiratory system, and central nervous system.

### SECTION 3: Composition/information on ingredients

<b>3.1 Chemical characterisation:</b>	Substances
<b>CAS No:</b>	Description: 108-38-3 METAXYLENE
<b>Identification number(s):</b>	EC number: 203-576-3

### SECTION 4: First aid measures

<b>4.1 Description of first aid measures</b>	
<b>General information:</b>	
<b>After inhalation:</b>	If breathed in, move person into fresh air. Consult a physician.
<b>After skin contact:</b>	Remove contaminated clothing immediately. Wash with plenty of water. Consult a physician.
<b>After eye contact:</b>	Immediately flush eyes with plenty of water for at least 15 minutes. consult a physician.
<b>After swallowing:</b>	Rinse mouth with water. Immediately after ingestion. Do not induce vomiting. Consult a physician.
<b>4.2 Most important symptoms and effects, both acute and delayed:</b>	The most important symptoms and effects, both acute and delayed, include headache,

	dizziness, nausea, respiratory irritation, skin and eye irritation, and potential damage to the liver, kidneys, and nervous system with prolonged exposure.
<b>4.3 Indication of any immediate medical attention and special treatment needed:</b>	Treat symptomatically.

## SECTION 5: Firefighting measures

<b>5.1 Extinguishing media:</b>	Carbon dioxide, dry chemical, Alcohol-resistant foam.
<b>5.2 Special hazards arising from the substance or mixture:</b>	Carbon oxides.
<b>5.3 Advice for firefighters:</b>	Wear fully protective suit, safety glasses and respiratory device. Cool tanks/drums with water spray/remove them into safety.
<b>5.4 further information:</b>	no data available

## SECTION 6: Accidental release measures

<b>6.1 Personal precautions, protective equipment and emergency procedures:</b>	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Avoid dust accumulation. Seek medical attention.
<b>6.2 Environmental precautions:</b>	Do not enter this chemical into drains.

<b>6.3 Methods and material for containment and cleaning up:</b>	Take up spill into absorbent material, e.g.: sand, earth, vermiculite, powdered limestone. Scoop absorbed substance into closing containers. Spill must not return in its original container. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.
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## SECTION 7: Handling and storage

<b>7.1 Precautions for safe handling:</b>	For use in are with adequate ventilation. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material Do not use in confined spaces. Electrostatic discharge protection. Minimize dust generation and accumulation. Avoid ingestion and inhalation.
<b>7.2 Conditions for safe storage, including any incompatibilities:</b>	Store in original containers. Keep containers securely sealed Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Store in a dry and dark area.
<b>Requirements to be met by storerooms and receptacles:</b>	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
<b>7.3 Specific end uses:</b>	no data available

## SECTION 8: Exposure controls/personal protection

<b>8.1 Control parameters</b>	
<b>Additional information about design of technical facilities:</b>	A system of local and general exhaust is recommended.
<b>8.2 Exposure controls</b>	
<b>Appropriate engineering controls</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
<b>Personal protective equipment:</b>	Dust respirator, protective masks, wearing anti chemical gloves, rubber gloves, etc.
<b>General protective and hygienic measures:</b>	Eyes, body and hand protection, maintain indoor air unobstructed. Wear protective equipment.
	<b>Respiratory protection:</b> Required.
<b>Protection of hands:</b>	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws. Wash and dry hands.
	<b>Eye protection:</b> Required
<b>Protection of Body:</b>	Complete suit protecting against chemicals, Flame retardant antistatic protective clothing.

## SECTION 9: Physical and chemical properties

<b>9.1 Information on basic physical and chemical properties</b> <b>General Information</b>	
<b>Appearance: Form:</b>	Liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Aromatic, sweet
<b>pH-value:</b>	Not applicable

<b>Melting point/Melting range:</b>	-47.9°C
<b>Boiling point/Boiling range:</b>	138°C
<b>Flammability (solid, gaseous):</b>	Non Flammable
<b>Ignition temperature:</b>	527°C
<b>Decomposition temperature:</b>	Not determined
<b>Self-igniting:</b>	None
<b>Flash point:</b>	27°C
<b>Danger of explosion:</b>	Yes
<b>Explosion limits: Lower:</b>	1.1%
<b>Explosion limits: Upper:</b>	7.0%
<b>Vapour pressure:</b>	6 mmHg at 20 °C
<b>Density at 20 °C:</b>	0.86 g/cm <sup>3</sup>
<b>Relative density:</b>	0.86
<b>Vapour density:</b>	3.7
<b>Evaporation rate:</b>	0.62
<b>Solubility in / Miscibility with- water at 20 °C:</b>	Slightly soluble
<b>Partition coefficient:(n- octanol/water)</b>	3.2
<b>Viscosity:</b>	0.7 mPa·s at 20 °C

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	Vapor/air-mixtures are explosive at intense warming.
<b>10.2 Chemical stability</b>	This chemical is stable under storage conditions.
<b>10.3 Possibility of hazardous reactions</b>	Violent reactions possible with Strong oxidizing agents
<b>10.4 Conditions to avoid</b>	Excessive heat, Direct Sunlight. Flame, sparks
<b>10.5 Incompatible materials</b>	Strong oxidizing agents, strong acids, halogens.
<b>10.6 Hazardous decomposition products</b>	Carbon monoxide, carbon dioxide.

## SECTION 11: Toxicological information

<b>11.1 Information on toxicological effects</b>	
<b>Acute Toxicity:</b>	<b>LD50</b> (Oral, Rat): 3.523 mg/kg <b>LD50</b> (Dermal, Rabbit): 12.1 mg/kg <b>LC50</b> (Inhalation Rat): 29.1 mg/l (4 hr)
<b>Skin corrosion/Irritation:</b>	Causes skin irritation
<b>Serious eye damage/irritation:</b>	Causes eye irritation
<b>Respiratory damage/irritation:</b>	No data available
<b>Ingestion:</b>	No data available
<b>Germ cell mutagenicity:</b>	No data available
<b>Carcinogenicity:</b>	No data available
<b>Reproductive toxicity:</b>	No data available
<b>Specific target organ toxicity - single exposure:</b>	May cause respiratory irritation
<b>Specific target organ toxicity – repeated/ exposure:</b>	No data available
<b>Aspiration hazard:</b>	Can cause respiratory irritation
<b>Signs and Symptoms of Exposure:</b>	Refer section 2.3
<b>11.2 Additional toxicological information</b>	
<b>Biodegradability:</b>	Readily biodegradable

## SECTION 12: Ecological information

<b>12.1 Toxicity Aquatic toxicity:</b>	LC50(fish): 2.60 mg/l (96 hr) EC50(daphnia): no data available ErC50(algae): no data available
<b>12.2 Persistence and degradability:</b>	Readily Biodegradable
<b>12.3 Bioaccumulative potential:</b>	Moderate bioaccumulative
<b>12.4 Mobility in soil:</b>	Moderate mobility
<b>12.5 Other adverse effects:</b>	No data available



## SECTION 13: Disposal considerations

<b>13.1 Waste treatment methods</b>	
<b>Uncleaned packaging Recommendation:</b>	dispose of in accordance with local hazardous waste regulations
<b>Recommended cleansing agents:</b>	Water, mild detergents, sand.

## SECTION 14: Transport information

<b>14.1 UN-Number · ADR, ADN, IMDG, IATA:</b>	1307
<b>14.2 UN proper shipping name · ADR, ADN, IMDG, IATA:</b>	M-XYLENE
<b>14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA :</b>	3
<b>14.4 Packing group · ADR, IMDG, IATA:</b>	3
<b>14.5 Environmental hazards:</b>	No
<b>14.6 Special precautions for user:</b>	Handle responsibly.

## SECTION 15: Regulatory information

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Directive 2012/18/EU</b>	Directive 2012/18/EU, under that this substance is classified in listed substances as Flammable substances.
<b>Named dangerous substances:</b>	This substance is not listed in the annex 1 to the directive.
<b>15.2 Chemical safety assessment:</b>	Chemical assessment has not been carried out.

## SECTION 16: Other information

The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and limitations of our knowledge, this document is only for reference. Users should make their independent judgment suitability of this information for their particular

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