

## MATERIAL SAFETY DATA SHEET

PRODUCT NAME: METHYL-p-TOLUENESULFONATE

CAS Number: 80-48-8

**1. IDENTIFICATION:**

**Product Code** : 92918

**Company Name** : ADVENT CHEMBIO PRIVATE LIMITED

**Address** : W-279, MIDC, TTC INDUSTRIAL AREA, THANE-BELAPUR ROAD, RABALE,  
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**2. HAZARDS IDENTIFICATION:****Hazard classification****Physical hazards****Health hazards**

**Acute toxicity, Oral** : Category 4

**Skin corrosion** : Category 1

**Serious eye damage** : Category 1

**Skin sensitization** : Category 1

**Labels elements** :

**Hazard symbol** : 

**Signal word** : Danger

**Hazard statement** : Harmful if swallowed  
: Causes severe skin burns and eye damage.  
: May cause an allergic skin reaction.

**Precautionary statement**

**Prevention** : Obtain special instructions before use.  
Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Do not handle until all safety precautions have been read and understood.  
Wear protective gloves/ protective clothing/ eye protection/ face protection.  
Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.  
Keep container tightly closed. Ground/ bond container and receiving equipment.  
Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
Use only non-sparking tools. Take precautionary measures against static discharge.

**Response** : IF exposed or concerned: Get medical advice/ attention.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

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- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- Storage** : Store at ambient temperature in a dry and well ventilated place. Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- Disposal** : Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
- Other hazards which do not result in GHS classification** : This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic or very persistent or very bio accumulative at levels of 0.1% or higher.

**3. COMPOSITION/ INFORMATION ON INGREDIENTS:**

Ingredient	CAS Number	Percent	Hazardous
Methyl-p-Toluenesulfonate, 98%	80-48-8	NLT 98.0%	Yes

**4. FIRST AID MEASURES:**

- General information** : Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance.
- Ingestion** : Call a physician or poison control center immediately. Rinse mouth. Do NOT induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
- Inhalation** : Move to fresh air. Call a physician or poison control center immediately. If breathing stops, provide artificial respiration. If breathing is difficult, give oxygen.  
Get medical attention if symptoms persist.
- Skin contact** : Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.
- Eye contact** : Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.
- Most important symptoms/effects, acute and delayed** : Toxic if inhaled. Toxic if swallowed. Toxic in contact with skin. Irritating to eyes, respiratory system and skin.
- Indication of immediate medical attention and special treatment needed** : Symptoms may be delayed. Treat symptomatically.

**5. FIRE FIGHTING MEASURES:**

Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media** : Water spray, foam, dry powder or carbon dioxide.
- Unsuitable extinguishing media** : Avoid water in straight hose stream; will scatter and spread fire.

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**Specific hazards arising from the chemical** : Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back. Prevent buildup of vapors or gases to explosive concentrations. Vapor from the solvent may accumulate in container headspace resulting in flammability hazard. Heat may cause the containers to explode.

**Special protective equipment and precautions for firefighters**

**Special firefighting procedures** : Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire. Fight fire from a protected location. Move containers from fire area if you can do so without risk.

**Special protective equipment for fire-fighters** : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

**6. ACCIDENTAL RELEASE MEASURES:**

**Personal precautions, protective equipment and emergency procedures** : ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid breathing mists or vapors. Keep upwind. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.

**Methods and material for containment and cleaning up** : Eliminate all ignition sources if safe to do so. Use only non-sparking tools. Take precautionary measures against static discharges. Stop leak if possible without any risk. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination. Dike far ahead of larger spill for later recovery and disposal.

**Notification Procedures** : Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved.

**Environmental precautions** : Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

**7. HANDLING AND STORAGE:**

**Precautions for safe handling** : Do not handle until all safety precautions have been read and understood. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Take precautionary measures against static discharges. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Wear protective gloves/protective clothing/eye protection/ face protection. Avoid contact with eyes, skin, and clothing. Do not breathe mist or vapor. Use only with adequate ventilation. Wash hands thoroughly after handling.

**Conditions for safe storage, including any incompatibilities** : Keep away from food, drink and animal feeding stuffs. Store at ambient temperature in a dry and well ventilated place. Keep the container tightly closed, away from heat. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Ground container and transfer equipment to eliminate static electric sparks. Comply with all national, state, and local codes pertaining to the storage, handling, dispensing, and disposal of flammable liquids.

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**8. EXPOSURE CONTROLS PERSONAL PROTECTION:****Control parameters** : Ingredients with workplace control parameters**Appropriate engineering controls** : No data available**Individual protection measures, such as personal protective equipment****Eye/face protection** : Wear safety glasses with side shields (or goggles).**Hand protection** : Chemical resistant gloves.**Other** : Wear suitable protective clothing.**Respiratory protection** : In case of inadequate ventilation use suitable respirator. Chemical respirator with organic vapor cartridge.**Hygiene measures** : Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Provide eyewash station and safety shower. Avoid contact with eyes, skin, and clothing.**9. PHYSICAL AND CHEMICAL PROPERTIES:****Appearance** : Clear colorless to pale yellow liquid**Odor** : No data available.**Solubility** : No data available.**Formula** : C<sub>8</sub>H<sub>10</sub>O<sub>3</sub>S**Molecular Weight** : 186.23**Specific Gravity** : 1.234 g/cm<sup>3</sup> at 25°C**pH** : No data available.**% Volatiles by volume @ 21C (70F)** : No data available.**Boiling Point** : 144-145°C**Melting Point** : 25-25°C**Flash Point** : 113 °C**Vapor Density (Air=1)** : No data available.**Vapor Pressure (mm Hg)** : 1.3 @ 20°C**Evaporation Rate (BuAc=1)** : No data available.

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**10. STABILITY AND REACTIVITY:**

<b>Reactivity</b>	:	Forms explosive mixtures with air on intense heating.
<b>Chemical stability</b>	:	Material is stable under ambient conditions..
<b>Possibility of hazardous reactions</b>	:	No data available.
<b>Conditions to avoid</b>	:	Heat, sparks, flames. Sunlight.
<b>Incompatible materials</b>	:	Strong oxidizing agents, Strong acids, Strong bases.
<b>Hazardous decomposition products</b>	:	In the event of fire: see section 5

**11. TOXICOLOGICAL INFORMATION:**

## Information on toxicological effects

## Acute toxicity (list all possible routes of exposure)

<b>Oral Product</b>	:	LD 50 (Rat): female - 300 - 2.000 mg/kg
<b>Dermal Product</b>	:	No data available.
<b>Inhalation Product</b>	:	No data available.
<b>Repeated dose toxicity Product</b>	:	No data available.
<b>Skin corrosion/irritation Product</b>	:	Experience with human exposure
<b>Serious eye damage/eye irritation Product</b>	:	Causes serious eye damage.
<b>Respiratory or skin sensitization Product</b>	:	Guinea pig
<b>Carcinogenicity Product</b>	:	This substance has no evidence of carcinogenic properties
<b>IARC Monographs on the Evaluation of Carcinogenic Risks to Humans</b>	:	No carcinogenic components identified.
<b>US. National Toxicology Program (NTP) Report on Carcinogens</b>	:	No carcinogenic components identified.
<b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	:	No carcinogenic components identified.
<b>Germ cell mutagenicity</b>	:	
<b>In vitro Product</b>	:	No data available.

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<b>Reproductive toxicity Product</b>	: No data available.
<b>Specific target organ toxicity - single exposure Product</b>	: No data available.
<b>Specific target organ toxicity - repeated exposure Product</b>	: No data available.
<b>Aspiration hazard Product</b>	: No data available.
<b>Other effects</b>	Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., Cough, Shortness of breath, Headache, Nausea To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Other dangerous properties cannot be excluded. Handle in accordance with good industrial hygiene and safety practice.

**12. ECOLOGICAL INFORMATION:****Ecotoxicity****Chronic hazards to the aquatic environment**

<b>Fish Product</b>	: No data available.
<b>Aquatic invertebrates Product</b>	: Semi-static test EC50 - Daphnia magna (Water flea) - 4,38 mg/l - 48 h.
<b>Toxicity to Aquatic Plants Product:</b>	: ErC50 - Pseudokirchneriella subcapitata (green algae) - 5,62 mg/l - 72 h
<b>Persistence and degradability</b>	
<b>Biodegradation Product</b>	: Expected to be readily biodegradable.
<b>BOD/COD ratio Product</b>	: No data available.
<b>Bioaccumulative potential</b>	
<b>Bioconcentration factor (BCF) Product</b>	: No data available on bioaccumulation.
<b>Partition coefficient n-octanol / water (log Kow) Product</b>	: No data available.
<b>Mobility in soil</b>	: No data available.
<b>Other adverse effects</b>	: No data available.

**13. DISPOSAL CONSIDERATION:**

<b>Disposal instructions</b>	: Discharge, treatment, or disposal may be subject to national, state, or local laws. Disposal recommendations are based on uncontaminated material.
<b>Contaminated packaging</b>	: Since emptied containers retain product residue, follow label warnings even after container is emptied.

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14. TRANSPORT INFORMATION:

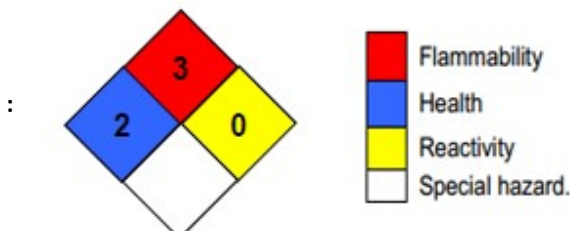
	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
ADR/RID:	UN 3261	Methyl-p-toluenesulfonate, 98%	8	II	No
IMDG	UN 3261	Methyl-p-toluenesulfonate, 98%	8	II	No
IATA	UN 3261	Methyl-p-toluenesulfonate, 98%	8	II	No

15. REGULATORY INFORMATION:

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006. Safety, health and environmental regulations/legislation specific for the substance or mixture No Data Available.

16. OTHER INFORMATION:

NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

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