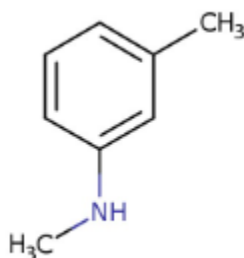


1. General Statement

N Methyl meta Toluidine is an Amino aromatic liquid compound. Combustible substance, poorly flammable (flash point > 60 up to 93 °C). Vapours may form explosive mixtures with air when the substance is heated above its flash point. Practically insoluble in water. Acute or chronic health hazards result from the substance.

2. Chemical identification.

Name : N Methyl meta Toluidine
 CAS number(s) : 696-44-6
 EC number : 211-795-0
 Molecular formula : C₈H₁₁N
 Structure :



3. Uses and Benefits

It is used in Chemical intermediate. It is also used in manufacture of dyes.

4. Physical / chemical properties

Property	Value
Physical state :	Liquid
Colour :	Brown
Odour :	Aromatic odour
pH :	NDA
Melting point :	NDA
Boiling point :	220 °C Atm. press.: 101325 Pa
Flash point :	95 °C
Density :	0.957 g/cm ³
Solubility in Water:	NDA

5. Health Effects

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Effect Assessment	Result
Acute toxicity (Oral / inhalation / dermal)	Toxic if swallowed, in contact with skin or if inhaled
Irritation / corrosion Skin / eye/ respiratory tract	NA
Respiratory or skin sensitisation	NA
Toxicity after repeated exposure Oral / inhalation / dermal	May cause damage to organs through prolonged or repeated exposure
Genotoxicity / Mutagenicity	NA
Carcinogenicity	NA
Toxicity for reproduction	NA

6. Environmental Effects

Effect Assessment	Result
Aquatic toxicity	Yes
Fate and behavior	Result
Persistence and degradability	Not readily biodegradable in water.
Bioaccumulative potential	No information available

7. Exposure

Human health

This substance is toxic if swallowed, is toxic in contact with skin, is toxic if inhaled, may cause damage to organs through prolonged or repeated exposure and is harmful to aquatic life with long lasting effects..The exposure must be kept as minimum as possible by the use of appropriate risk management measures suitable collective and personal protective equipment, good industrial hygiene practices and risk communication through appropriate training of workers.Careless handling or accidental spillage of the chemical could result in exposure to potentially hazardous levels of chemicals.Industrial workers should ensure that they follow the advice found in the extended safety data sheet (SDS).

Environment

Care should be taken to avoid releases of these products to sewage, drainage systems and water bodies. Spillage shall be quickly collected in the event of an accidental release. More information about release measures and accidental release measures are available in the extended safety data sheet.

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8. Risk Management Recommendations

Human health measures

Organizational	A basic standard of occupational hygiene is recommended. Ensure operatives are well informed of the hazards and trained to minimise exposures. Ensure regular inspection and maintenance of equipment and machines. Handle and store according to the indications of the Safety Data Sheet.	
Protection	Eye protection:	Safety glasses
	Skin and body protection:	Wear suitable protective clothing
	Respiratory protection:	Wear respiratory protection.
Engineering controls	Ensure good ventilation of the work station.	
Environment protective measures		
Avoid release to the environment		

9. First-aid measures

First-aid measures after inhalation:Remove the person to fresh air and keep them comfortable for breathing. Take medical advice.

First-aid measures after skin contact:Wash skin with plenty of water. Remove/Take off immediately all contaminated clothing.

First-aid measures after eye contact:Rinse eyes with water as a precaution.

First-aid measures after ingestion :Rinse mouth. Call a physician immediately.

10. Fire-fighting measures

Extinguishing media

Suitable extinguishing media:Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media :No information available.

Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire:Toxic fumes may be released.

Advice for firefighters

Precautionary measures fire :Exposure to fire/heat: keep upwind. Exposure to fire/heat: consider evacuation. Exposure to fire/heat: have neighbourhood close doors and windows.

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Firefighting instructions: Take account of toxic fire-fighting water. Use water moderately and if possible collect or contain it.

11. Accidental release measures

Protective equipment :Gloves. Protective clothing. Protective goggles. Wear recommended personal protective equipment.

Environmental precautions: Avoid release to the environment..

For containment : Contain released product, collect/pump into suitable containers. Take account of toxic/corrosive precipitation water. Heat exposure: dilute toxic gas/vapour with water spray.

12. Disposal consideration

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations : Disposal must be done according to official regulations.

13. Handling and storage

Precautions for safe handling:Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.Wear personal protective equipment. Use only outdoors or in a well-ventilated area.

Hygiene measures :Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product..Always wash hands after handling the product.

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14. Classification and Labeling

Hazard pictograms (GHS US)



Signal word (GHS US)

Hazard statements (GHS US)

Precautionary statements (GHS US)

: Danger
: H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled
H373 - May cause damage to organs through prolonged or repeated exposure
: P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 - If swallowed: Immediately call a poison center or doctor.
P302+P352 - If on skin: Wash with plenty of water.
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.
P311 - Call a poison center or doctor.
P312 - Call a poison center or doctor if you feel unwell.
P314 - Get medical advice/attention if you feel unwell.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P322 - Specific treatment (see supplemental first aid instruction on this label)
P330 - Rinse mouth.
P361+P364 - Take off immediately all contaminated clothing and wash it before reuse.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

15. Conclusion

N Methyl meta Toluidine is an Amino aromatic liquid compound. Combustible substance, poorly flammable (flash point > 60 up to 93 °C). Vapours may form explosive mixtures with air when the substance is heated above its flash point. Practically insoluble in water. Acute or chronic health hazards result from the substance. There is a risk of a dust explosion if the following conditions are met: substance is given in very finely distributed form (powder, dust) it is whirled up in sufficient quantity in the air. An ignition source is present (flame, spark, electrostatic discharge, etc.). Care should be taken to avoid releases of these products to sewage, drainage systems and water bodies. The exposure must be kept as minimum as possible by the use of appropriate risk management measures as suitable collective and personal protective equipment, good industrial hygiene practices and risk communication through appropriate training of workers.

16. Contact Information within company

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This GPS safety summary is intended to give general information about the health, safety and environment and not intended to provide in-depth details. To obtain the most accurate and current information, consult the appropriate Safety Data Sheet (SDS) prior to use of the material named herein.