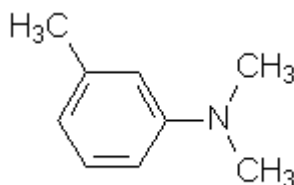


1. General Statement

Combustible substance, poorly flammable. Slightly soluble in water. Low or very low-volatile. Acute or chronic health hazards result from the substance. The substance is hazardous to the aquatic environment.

2. Chemical identity

Name : N,N Dimethyl Meta Touldine
CAS number : 121-72-2
EC number : 204-495-6
Molecular formula : C₉H₁₃N
Structure :



3. Uses and Benefits

N,N Dimethyl Meta Touldine is an intermediate manufacture of bulk, large scale chemicals (including petroleum products) Manufacture of fine chemicals

4. Physical / chemical properties

Property	Value
Physical state :	Liquid
Colour :	Light yellow to Brown
Odour :	perceptible odour
pH :	No data available
Melting point	-15 °C
Boiling point :	215 °C
Flash point :	85 °C
Density :	0.941 g/cm ³ Type: 'density' Temp.: 20 °C
Solubility in Water:	Partially insoluble in Water

5. Health Effects

Effect Assessment	Result
Acute toxicity (Oral / inhalation / dermal)	Harmful if swallowed.Harmful in contact with skin.Harmful if inhaled.
Irrit/ corrosion Skin / eye/ respiratory tractation	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	No
Fate and behavior	Result
Persistence and degradability	Not rapidly degradable
Bioaccumulative potential	No additional information available

7. Exposure

Human health

The substance Combustible liquid, Toxic if swallowed, in contact with skin or if inhaled, May cause damage to organs through prolonged or repeated exposure.

The most likely route of human exposure (workers) is through skin. In industrial settings, ingestion is not an anticipated route of exposure. Workers may be exposed during (un)loading, mixing, sampling, analysis or maintenance operations and particularly in case of batch processes.

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.

GPS Safety Summary

N,N Dimethyl Meta Touldine

PUBLIC

CL-4:

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.

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:	[In case of inadequate ventilation] wear respiratory protection.
Engineering controls	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.Ensure good ventilation of the work station.	
Environment protective measures		
Do not attempt to take action without suitable protective equipment. Exposure controls/personal protection".		

9. First-aid measures

First-aid measures after inhalation : Remove person to fresh air and keep 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 :Water (quick-acting extinguisher, reel); risk of puddle expansion. Water; risk of puddle expansion.

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 : Eliminate all ignition sources if safe to do so. Keep the container closed when not in use. Keep the container tightly closed and away from heat, sparks and flame.

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter a fire area without proper protective equipment, including respiratory protection.

11. Accidental release measures

Protective equipment :Safety glasses. Wear recommended personal protective equipment. Protective clothing. Gloves.

Environmental precautions: Avoid release to the environment..

For containment : Contain released product, collect/pump into suitable containers. Plug the leak, cut off the supply.Dam up the liquid spill. 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 : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

GPS Safety Summary

N,N Dimethyl Meta Touldine

PUBLIC

CL-4:

Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. 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.

14. Classification and Labeling

Hazard pictograms (GHS US)



Signal word (GHS US)

: Danger

Hazard statements (GHS US)

: H227 - Combustible liquid

H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled

H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS US)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260 - Do not breathe dust, fume, gas, mist, vapours, 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, and hearing 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 or attention if you feel unwell.

P321 - 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.

P370+P378 - In case of fire: Use appropriate media to extinguish.

P403 - Store in a well-ventilated place.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

P405 - Store locked up.

P501 - Dispose of contents and/or container in hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

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15. Conclusion

N,N Dimethyl Meta Touldine is a Combustible liquid, Toxic if swallowed, in contact with skin or if inhaled, May cause damage to organs through prolonged or repeated exposure.

Care should be taken to avoid release into the environment.

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

Manufacturer

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This GPS safety summary is intended to give general information about the health, safety and environmental 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.