



Centre Anti-Poison pour le Québec: (800) 463-5060

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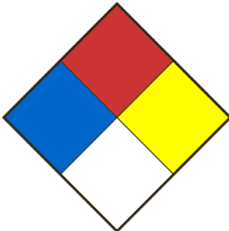
Fax. (Qc): (418) 660-8998

SAFETY DATA SHEET

SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

Product Identifier N,N-DIMETHYLANILINE		Product Use Laboratory use	
Chemical formula C ₆ H ₅ N(CH ₃) ₂		Product code DR-0836	Molar weight 121,18
Chemical name / Commercial name / Synonymous DMA ; N,N-DIMETHYL ANILINE; N,N-Dimethylaniline ; Diméthylaniline			
Supplier's name Laboratoire MAT		Address-Street 610, Adanac Street	
City Québec		Province Québec	
Postal code G1C 7B7	Internet www.labmat.com	Phone number 418-660-8666 / 800-890-8666	
Emergency phone	CANUTEC: 613-996-6666 CENTRE ANTI-POISON DU QUÉBEC 800-463-5060		
Date SDS 8/17/2020	SDS Prepared by Laboratoire MAT	E-Mail labmat@labmat.com	

SECTION 02 - HAZARDS IDENTIFICATION

Classification WHIMS / GHS	Carcinogenicity category 2 Liquides inflammables category 4 Acute toxicity - Oral category 3 Acute toxicity - Dermal category 3 Acute toxicity - Inhalation category 3
Signal Word	DANGER
Hazards statements (H)	H227 Combustible liquid. H301 Toxic if swallowed. H311 Toxic in contact with skin. H331 Toxic if inhaled. H351 Suspected of causing cancer.
Precautionary statements (P)	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking. P261 Avoid breathing dust / fume / gas / mist / vapours / spray. P264 Wash the areas of the body that have been in contact with the product 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/physician. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P308 + P313 IF exposed or concerned: Get medical advice/attention. P311 Call a POISON CENTER or doctor/physician. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P321 Specific treatment (see section 4 of the SDS and 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 water spray or alcohol-resistant foam, or dry powder or carbon dioxide for extinction. 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/container in accordance with local / regional / national / international regulations or contact a specialist waste disposal company.
PICTOGRAMS	
Other dangers	NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Significant; 4=Extreme)
	Health 3 Fire 2 Reactivity 1 Special danger

SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingrédients (Dénomination chimique / synonymes)	Numéro CAS et tout identificateur unique	Concentration (%)
N,N-Diméthylaniline	121-69-7	<=100

SECTION 04 - FIRST AID MEASURES

Eye contact	Wash eyes with large amounts of water for at least 15 minutes while holding eyelids apart to rinse eyes. If irritation persists, seek medical attention.
Skin contact	Wash skin with plenty of water for at least 15 minutes. Remove soiled clothing. If irritation persists, seek medical attention.
Inhalation	Move the unwell person to the fresh air. If breathing is difficult, give oxygen. Consult a physician.
Ingestion	If the person is conscious, rinse the mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician.
Most important symptoms and effects (acute and delayed)	Ref. section 11.
Immediate medical attention and special treatment, if necessary	In case of medical consultation, keep this sheet available.
General advice	Show this safety data sheet to the doctor in attendance.

SECTION 05 - FIREFIGHTING MEASURES

Flammability	Yes
Ignition conditions	This product is flammable under the following conditions: May ignite if exposed to an ignition source. Keep away from heat/sparks/open flame/hot surface.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	Data not available.
Hazardous combustion / decomposition products	Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx).
Special fire and explosion hazards	May react violently with incompatible products (Ref Section 10). Combustible liquid. Moderate fire hazard in the presence of heat or flame.
Special protective equipment and precautions for firefighters	Discard incompatible substances if this can be done without risk. Firefighters should be equipped with standard protective equipment, fireproof clothing, face mask, gloves, protective boots and, where appropriate, self-contained breathing apparatus.

SECTION 06 - ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and cleaning up / Personnel precautions, protective equipment	Evacuate personnel to safe areas. Cut off all sources of ignition. Avoid the accumulation of charges electrostatic. Absorb the product with sand or vermiculite. Dilute residues with water, clean and rinse. Ensure a good ventilation of the premises. Dispose of residues in a container for disposal of hazardous materials. When handling, wear suitable safety equipment. Use breathing apparatus if necessary. Avoid breathing vapours, mist or gas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Do not let product enter drains.
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SECTION 07 - HANDLING AND STORAGE

Conditions for safe storage	Keep container tightly closed in a dry and well-ventilated place. Store in cool place. Protect from light and sunlight. Keep away from sources of heat and ignition. Keep container tightly closed and store away from incompatible products, heat, sparks, and open flame.
Methods of handling	Avoid contact with the skin, eyes and clothes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. Wear personal protective equipment when handling. Always ensure good ventilation. Transport according to TDG (ref Section 14)

SECTION 08 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace control parameters

Components	CAS-No.	Control parameters	Value	Basis
N,N-Diméthylaniline	121-69-7	TWAEV	5 ppm 25 mg/m3	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
Remarques	Skin (percutaneous)			
		STEV	10 ppm 50 mg/m3	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
	Skin (percutaneous)			
		TWA	5 ppm 25 mg/m3	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
	The substance can be easily absorbed through intact skin			
		STEL	10 ppm 50 mg/m3	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
	The substance can be easily absorbed through intact skin			
		TWA	5 ppm	Canada. British Columbia OEL
	Contributes significantly to overall dermal exposure.			
		STEL	10 ppm	Canada. British Columbia OEL
	Contributes significantly to overall dermal exposure.			

Data source	Sigma-Aldrich (Millipore Sigma)
Ventilation	Use fan.
Respiratory	If the permissible levels are exceeded, use a mechanical filter / cartridge against NIOSH vapors or a respirator with air supply.
Gloves	Handle with gloves.
Eyes	Safety goggles with safety shutters.
Shoes	Use safety shoes.

Clothing	Labcoat. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Engineering control	Have safety showers and eyewash stations in the workplace in case of an emergency and a ventilation system to maintain the level of concentrations in the air below the exposure limit values.

SECTION 09 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid.
Appearance	Liquide jaune clair.
Odour	Poisson.
Odour threshold	Data not available
pH	7.4 à 1g/L.
Melting point / Freezing point	1.5-2.5°C
Initial boiling point	193-194°C
Boiling range	185-194°C
Flash point	62-75°C
Evaporation rate	Data not available
Flammability	Yes
Lower flammable / Explosive limit	7%
Upper flammable / Explosive limit	1.2%
Vapour pressure	1 mmHg à 30 °C.
Vapour density	4.18 (Air=1)-
Relative density	0.956g/cm ³
Solubility	Soluble dans l'eau 1.1 g/L @ 35°C..
Partition coefficient water/n-octanol	log Pow: 2.62-
Auto-ignition temperature	370°C
Decomposition temperature	Data not available
Viscosity	Data not available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	Non-reactive under normal conditions.
Chemical stability	Stable under recommended storage conditions. Sensitive to heat. Sensitive to light.
Possibility of hazardous reactions	Stable under normal conditions.
Conditions of instability (Including sensitivity to shock / static discharge / vibration)	Heat, flames and sparks. Avoid excessive heat. Avoid exposure to air. Light sensitive.
Incompatible material	Strong oxidizing agents, strong acids. Chloroformates. Acid chloride. Anhydrides of acid. Halogens.
Hazardous decomposition products	Carbon oxides, Nitrogen oxides (NO _x).

SECTION 11 - TOXICOLOGICAL INFORMATION

N,N-DIMETHYLANILINE

Routes of exposure	Ingestion, inhalation, skin contact.
Acute exposition effects / symptoms:	By exposure route below.
- Eyes	Causes eye irritation.
- Skin	May cause skin irritation.
- Inhalation	Central nervous system depression. May produce methemoglobinemia leading to the development of cyanosis and death from asphyxiation.
Acute toxicity (Ingestion)	Headache, nausea and vomiting Vertigo. Fatigue. The absorption in the body leads to the formation of methemoglobin which in concentration insufficient causes cyanosis. It can appear after 2 to 4 hours or more.
Chronic exposure effects / symptoms	Prolonged or repeated exposure to this product can cause damage to the following organs: Central nervous system. Blood. Spleen. Overexposure can cause the following symptoms: Headache, dizziness, tiredness, nausea and vomiting. Excessive salivation. Lethargy. Tremors. Blood disorders, Absorption into the body leads to the formation of methemoglobin which in concentration insufficient causes cyanosis. It can appear after 2 to 4 hours or more. Is recognized as an unclassifiable agent for its carcinogenicity (Group 3 according to IARC).
DL50 (specify species and route of entry)	LD50 Oral - Rat - 951 mg/kg. LD50 Dermal - Rabbit - 1770 mg/kg.
CL50 (specify species and route of entry)	LC50 Inhalation - Rat - 4h - 250 mg/m3.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity	Toxicity to fish: LC50 - Pimephales promelas (fathead minnow) - 65.6 mg/l - 96h. Toxicity to daphnia and other aquatic invertebrates: EC50 - Daphnia magna (Water flea) - 5 mg/L - 48 h .
Persistence and degradability	Duration of exposure 28 days - Biodegradability Result: 75 % - Readily biodegradable.
Bioaccumulative potential	Data not available.
Mobility in soil	Data not available.
Other adverse effects	Toxic to aquatic life with long lasting effects. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Method	Dispose of contents / container in accordance with local / regional / national / international regulations / or contact a specialist waste disposal company.
Contaminated Packaging	Dispose of as unused product.

SECTION 14 - TRANSPORT INFORMATION

UN Number	2253
UN Proper shipping name	N,N-DIMÉTHYLANILINE
Transport hazard class(es)	6.1 Toxic substances
Packing group	II
Limited quantity index	0,1L
ERAP Index	-
Special precautions	-

SECTION 15 - REGULATORY INFORMATION

WHIMS CANADA	Carcinogenicity category 2 Liquides inflammables category 4 Acute toxicity - Oral category 3 Acute toxicity - Dermal category 3 Acute toxicity - Inhalation category 3
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SECTION 16 - OTHER INFORMATION

Further information

The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. It does not represent any guarantee of the properties of the product. Laboratoire MAT Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

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