



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

Tél. (Qc): (418) 660-8666 / 800-890-8666

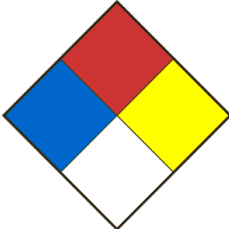
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SAFETY DATA SHEET

SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

Product Identifier N,N-DIETHYLANILINE		Product Use Laboratory use	
Chemical formula $C_6H_5N(C_2H_5)_2$		Product code DR-0119	Molar weight 149,24
Chemical name / Commercial name / Synonymous ANILINE, N, N-DIETHYL-; BENZENAMINE, N,N-DIETHYL-; DIETHYLANILINE; N,N-DIETHYLAMINO BENZENE; N,N-DIETHYLBENZENAMINE.			
Supplier's name Laboratoire MAT		Address-Street 610, Adanac Street	
City Québec		Province Québec	
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Emergency phone	CANUTEC: 613-996-6666 CENTRE ANTI-POISON DU QUÉBEC 800-463-5060		
Date SDS 6/8/2020	SDS Prepared by Laboratoire MAT	E-Mail labmat@labmat.com	

SECTION 02 - HAZARDS IDENTIFICATION

Classification WHIMS / GHS	Specific Target Organ Toxicity - Repeated exposure 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. H373 May cause damage to organs through prolonged or repeated exposure.
Precautionary statements (P)	P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking. P260 Do not breathe dust / fume / gas / mist / vapours / spray. 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. P311 Call a POISON CENTER or doctor/physician. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P314 Get medical advice/attention 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 dry sand, a chemical powder, or an anti-alcoholic foam 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-Diéthylaniline	91-66-7	<=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	Do NOT induce vomiting. If the person is conscious, rinse the mouth with water. 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	No
Ignition conditions	May ignite if heated strongly and in the presence of an ignition source.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. The water spray will then be used to cool nearby containers.
Unsuitable extinguishing media	Data not available.
Hazardous combustion / decomposition products	- Carbon oxides, nitrogen oxides (NOx). Formaldehyde.
Special fire and explosion hazards	May ignite if heated severely or near ignition source. Keep product and empty containers away from heat and sources of ignition. May react violently with incompatible products (Ref Section 10).
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. Do not let product enter drains.
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SECTION 07 - HANDLING AND STORAGE

Conditions for safe storage	Keep below + 30 ° C. Protect from light. Keep container tightly closed and store away from incompatible products, heat, sparks, and open flame.
Methods of handling	Ensure good ventilation. Use a hood preferably. Avoid breathing dust, fumes, gases, mists, vapors, aerosols. Avoid contact with the skin, eyes and clothes.

SECTION 08 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace control parameters

Components	CAS-No.	Control	Value	Basis
N,N-DIETHYLANILINE	91-66-7	TLV, TWA, STEL	No data available	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
		TLV, TWA, STEL	No data available	Canada. British Columbia OEL
		TLV, TWA, STEL	No data available	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants

Ventilation	Use fan.
Respiratory	If work under the hood is not possible, or 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	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..
Odour	Inodore.
Odour threshold	Data not available
pH	6.9 à 1%.
Melting point / Freezing point	-38°C
Initial boiling point	217°C
Boiling range	Data not available
Flash point	79-84°C
Evaporation rate	Data not available
Flammability	No
Lower flammable / Explosive limit	1.1% v/v
Upper flammable / Explosive limit	5.3% v/v
Vapour pressure	0.2hPammHg
Vapour density	Data not available
Relative density	0.938 g/ml à 20°C
Solubility	Eau: 0.13g/L (insoluble).
Partition coefficient water/n-octanol	log Pow: 3.31 (20 °C)-
Auto-ignition temperature	385°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 light
Possibility of hazardous reactions	In case of strong heating, possibility of formation of explosive mixtures with air.
Conditions of instability (Including sensitivity to shock / static discharge / vibration)	Exposure to light. Avoid excessive heat.
Incompatible material	Strong oxidizing agents, strong acids. On contact with nitrites, nitrates, nitrous acid, risk of release of nitrosamines.
Hazardous decomposition products	Toxic fumes of formaldehyde, carbon monoxide, carbon dioxide and nitrogen oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION

N,N-DIETHYLANILINE

Routes of exposure	Inhalation, skin and eyes.
Acute exposition effects / symptoms:	By exposure route below.
- Eyes	No irritation if in contact with the eyes. To our knowledge, the product has not been fully studied.
- Skin	Irritation.
- Inhalation	Irritation of the mucous membranes and respiratory tract.
Acute toxicity (Ingestion)	Irritation of the mucous membranes of the mouth, throat, the esophagus and the digestive tract.
Chronic exposure effects / symptoms	Headache, dizziness, tiredness, nausea and vomiting.
DL50 (specify species and route of entry)	LD50 Oral - Rat - 782 mg/kg LD50 Dermal - Rabbit - 400 mg/kg.
CL50 (specify species and route of entry)	LC50 Inhalation - Rat - 4h - 1920 mg/m3.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity	Toxicity to fish: CL50 Pimephales promelas : Pimephales promelas (fathead minnow) - 16.4 mg/kg 96h. LC50 - Oncorhynchus mykiss (rainbow trout) - 38.5 mg/L, 96h. Toxicity to daphnia and other aquatic invertebrates: EC50 - Daphnia magna (Water flea) - 35.4 mg/L, 24h.
Persistence and degradability	Difficult to biodegrade.
Bioaccumulative potential	Accumulation is not expected.
Mobility in soil	Data not available.
Other adverse effects	Avoid release to the environment.

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	2432
UN Proper shipping name	N,N-DIÉTHYLANILINE
Transport hazard class(es)	6.1 Toxic substances
Packing group	III
Limited quantity index	5L
ERAP Index	-
Special precautions	-

SECTION 15 - REGULATORY INFORMATION

WHIMS CANADA	Specific Target Organ Toxicity - Repeated exposure 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.

Last Update: 6/8/2020