



SAFETY DATA SHEET

SECTION 01 - IDENTIFICATION

Product Identifier	N-ETHYLANILINE
Other identification (Chemical name, Commercial name, Synonymous)	N-ETHYLANILINE; Ethylaniline; Benzenamine, N-ethyl-; N-Ethylbenzenamine; Anilinoethane; Aniline, N-ethyl-; N-Ethyl-N-phenylamine
Product code	EP-0117
Chemical formula	$C_8H_{11}N$
Molar weight	121.18
Recommended use and Restrictions on use	For laboratory, school, commercial or industrial use. Not for medical or household use. Do not use for medical, food or household purposes.
Supplier	LABORATOIRE MAT 610, rue Adanac Québec Québec G1C 7B7 418-660-8666 Mon-Fri 8h-16h www.labmat.com labmat@labmat.com
Emergency phone	418-660-8666 Mon-Fri 8h-16h CENTRE ANTI-POISON DU QUÉBEC 800-463-5060
Date SDS	2025-06-19

SECTION 02 - HAZARDS IDENTIFICATION

WHIMS CANADA

- Acute toxicity - Dermal - category 3
- Acute toxicity - Inhalation - category 3
- Acute toxicity - Oral - category 3
- Specific Target Organ Toxicity - Repeated exposure - category 2

PICTOGRAMS



Signal Word

DANGER

Hazards statements (H)

- Toxic in contact with skin
- Toxic if inhaled
- Toxic if swallowed
- May cause damage to organs through prolonged or repeated exposure

Precautionary statements (P)

- Wear protective gloves (butyl, Viton®, laminated material (PE/EVOH), protective clothing and eye and face protection.
- IF ON SKIN: Wash with plenty of water
- Call a POISON CENTER or a doctor or if you feel unwell.
- Store locked up.
- Dispose of contents and container in accordance with local, regional and national regulations, or contact a specialist waste disposal company.
- Use only outdoors or in a well-ventilated area.
- IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
- Call a POISON CENTER or a physician.
- Store in a well ventilated place. Keep container tightly closed.
- Wash thoroughly after handling.
- Rinse mouth.
- Do not breathe mists, gases, vapors and other fumes, or the product itself.
- Get medical attention if you feel unwell.

Other dangers

NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Significant; 4=Extreme)

Health 3
Fire 2
Reactivity 0
Special danger

SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

Component	No. CAS	% Weight
N-Ethylaniline	103-69-5	<=100%

SECTION 04 - FIRST AID MEASURE

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 contaminated 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	Consult a physician. If the person is conscious, give water to drink. Never give anything by mouth to an unconscious person. Do NOT induce vomiting.
Most important symptoms and effects (acute and delayed)	Main symptoms of high exposure: Redness. Ref. section 11.
Immediate medical attention and special treatment, if necessary	Treat according to symptoms. Show this sheet to the attending physician.

SECTION 05 - FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	Do not use a jet of water.
Combustion products	Hazardous combustion products formed under fire conditions: Carbon oxides. Nitrogen oxides (NOx).
Specific hazards of the dangerous product	Highly concentrated vapors in the air can ignite or even explode if exposed to an intense ignition source. Keep the product and empty containers away from heat and ignition sources. 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

Personal precautions, protective equipment and emergency measures	Evacuate personnel to safe areas. Cut off all sources of ignition. When handling, wear appropriate safety equipment (reference Section 8 for protective equipment to be used). Ensure a good ventilation. Use NIOSH cartridge respiratory protection if necessary or for larger spills.
Methods and materials for containment and cleaning up	Absorb the product with sand or vermiculite. Dilute residues with water, clean and rinse. Dispose of residues in a container for disposal of hazardous materials. Discharge into the environment must be avoided.

SECTION 07 - HANDLING AND STORAGE

Conditions for safe storage	Protect from light and sunlight. Store in a cool, dry, and well-ventilated place. Keep container tightly closed and store away from heat, water, moisture, and incompatible products (ref. section 10).
Methods of handling	Avoid contact with eyes, skin and clothing. Avoid ingestion and inhalation. Wear personal protective equipment (ref. section 8) when handling. Always ensure good ventilation. Apply the usual standard hygiene rules: Wash your hands after use. Do not eat or drink during use.

SECTION 08 - EXPOSURE CONTROLS/PERSONAL PROTECTION

WORKPLACE CONTROL PARAMETERS

Component	CAS-No.	Value
N-Ethylaniline	103-69-5	No occupational exposure limits established by region-specific regulators - Quebec, Alberta, Ontario, British Columbia.

Respiratory	If work under the hood is not possible, or if the permissible levels are exceeded, use NIOSH cartridge respiratory protection, or an air-supplied respirator.
Gloves	Handle with protective gloves. Suggested material: Butyl. Viton® (Fluoroelastomer). Laminated material (PE/EVOH) The type, thickness and length of the glove must be chosen according to the use, the concentration of the product, as well as the duration of use. Replace gloves regularly for better protection.
Eyes	Safety goggles with safety shutters.
Shoes	Use safety shoes.
Clothes	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	Use fan. 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
Color	Colorless to Light orange to Yellow clear
Odour	Aniline-like odor
Odour threshold	Data not available
Melting point and freezing point	-63,5 °C
Boiling point	204,7 °C
Flammability	Yes
Lower flammable / Explosive limit	1,6%
Upper flammable / Explosive limit	9,5%
Flash point	85,0 °C
Auto-ignition temperature	Data not available
Decomposition temperature	Data not available
pH	Not applicable
Kinematic viscosity	Data not available
Solubility	Insol in water, miscible with alcohol, ether, and many other organic solvents
Partition coefficient water/n-octanol	Data not available
Vapour pressure	Data not available
Relative density	0,9625 g/ml @ 20 °C
Vapour density	4.18 (Air=1)
Particle characteristics	Not applicable

SECTION 10 - STABILITY AND REACTIVITY

Reactivity	May react violently with incompatible substances.
Chemical stability	Darkens if exposed to light. Darkens in air. Stable under recommended storage conditions.
Possibility of hazardous reactions	May react violently with incompatible substances.
Conditions to avoid	Avoid moisture. Avoid contact with incompatible materials and extreme temperatures. Exposure to air. Exposure to light.
Incompatible materials	Strong acids. Strong oxidizers. Halogenated organics. Peroxides. Phenols. Epoxides. Acid anhydrides. Acid halides. Reducing agents. Isocyanates. Violent reaction with: Nitric acid.
Hazardous decomposition products	Carbon oxides. Nitrogen oxides (NOx).

SECTION 11 - TOXICOLOGICAL INFORMATION

N-ETHYLANILINE

Routes of exposure	Ingestion, inhalation, skin and eye contact.
Acute exposition effects / symptoms:	By exposure route below.
- Eyes	To our knowledge, the chemical, physical and toxicological properties have not been fully investigated.
- Skin	Redness. To our knowledge, the chemical, physical and toxicological properties have not been fully investigated.
- Inhalation	To our knowledge, the chemical, physical and toxicological properties have not been fully investigated.
Acute toxicity (Ingestion)	To our knowledge, the chemical, physical and toxicological properties have not been fully investigated.
Chronic exposure effects / symptoms	May cause damage to: Target organs: Blood.
DL50 (specify species and route of entry)	LD50 Oral - Rat - 180mg/kg. LD50 Dermal - Rat - 4700mg/kg.
CL50 (specify species and route of entry)	LC50 Inhalation - Data not available.

SECTION 12 - ECOLOGICAL INFORMATION

N-ETHYLANILINE

Ecotoxicity	Data not available.
Persistence and degradability	Data not available.
Bioaccumulative potential	Data not available.
Mobility in soil	Data not available.
Other adverse effects	Data not available.

SECTION 13 - DISPOSAL CONSIDERATIONS

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

SECTION 14 - TRANSPORT INFORMATION

UN Number	2272
UN Proper shipping name	N-ÉTHYLANILINE
Transport hazard class(es)	Matières toxiques 6.1
Packing group	III
Limited quantity index	5 L
ERAP Index	-
Special precautions	-

SECTION 15 - REGULATORY INFORMATION

WHIMS CANADA	- Acute toxicity - Dermal - category 3 - Acute toxicity - Inhalation - category 3 - Acute toxicity - Oral - category 3 - Specific Target Organ Toxicity - Repeated exposure - category 2
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SECTION 16 - OTHER INFORMATION

CNESST: Commission des normes, de l'équité et de la santé et sécurité au travail
NIH: National institute of health (U.S. National Library of Medicine)
ECHA: Agence Européenne de Chimie
ACGIH : American Conference of Governmental Industrial Hygienists
AIHA : American Industrial Hygiene Association
VECD: Valeur d'exposition courte durée
VEMP: Valeur d'exposition moyenne pondérée
CMRG : Chemical Manufacturer's Recommended Guidelines
OSHA : United States Department of Labor - Occupational Safety and Health Administration
TLV : Threshold limit value
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit
CEIL: Ceiling
RSST: Règlement sur la santé et sécurité au travail (Québec)
INRS: l'Institut national de recherche et de sécurité pour la prévention des accidents du travail et des maladies professionnelles (France)

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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