

S a f e t y D a t a S h e e t
According to Regulation (EC) 1907/2006

121294 **N,N-Dimethylaniline PA**

1. Identification of the substance/preparation and of the company or firm

1.1 Identification of the substance or preparation

Name:

N,N-Dimethylaniline

1.2 Use of the substance/preparation:

For laboratory utilisation, analysis, research and fine chemistry.

1.3 Identification of the company or firm:

PANREAC QUIMICA, S.L.U.

C/Garraf, 2

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2. Identification of dangers

Toxic by inhalation, in contact with skin and if swallowed. Limited evidence of a carcinogenic effect. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Component Composition/Information

Name: N,N-Dimethylaniline

Formula: $C_8H_{11}N$ M.=121,18 CAS [121-69-7]

EC number (EINECS): 204-493-5

EC index number: 612-016-00-0

4. First aid

4.1 General indications:

Never provide drink or induce vomiting in the event of loss of consciousness.

4.2 Inhaling:

Take the person out into the fresh air. In the event of suffocation, proceed to provide artificial respiration. In case of loss of consciousness, position the person lying on his/her side. Seek immediate medical assistance.

4.3 Contact with the skin:

Wash with plenty of water. Remove contaminated clothing. In the event of irritation, seek medical assistance.

4.4 Eyes:

Wash with plenty of water (for at least 15 minutes), keeping eyelids open. Seek medical assistance.

4.5 Swallowing:

Drink large amounts of water. Induce vomiting. Seek immediate medical assistance.

5. Fire-fighting means

5.1 Suitable fire-extinguishing means:

Carbon dioxide (CO_2). Foam. Dry powder.

5.2 Fire-fighting means which must NOT be used:

5.3 Special risks:

Combustible. Keep away from sources of ignition. The fumes are heavier than air, so they may spread at floor level. May form explosive mixtures with the air. In the event of fire, toxic fumes may form: NO_x .

5.4 Protective equipment:

6. Measures to be taken in the event of accidental spillage

6.1 Individual precautions:

6.2 Precautions for care of the environment:

Do not allow it to enter the drainage system. Avoid pollution of the soil, water supplies and drains.

6.3 Methods for collection/cleaning:

Collect up with absorbent materials (Panreac General Absorbent, Kieselguhr, etc.) or, if none available, dry sand or earth, and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water.

7. Handling and storage

7.1 Handling:

Handle under an extractor fan.

7.2 Storage:

Well sealed containers. In a cool place. The product tends to oxidize, slightly changing colour.

8. Staff exposure/protection controls

8.1 Technical protective measures:

8.2 Exposure limit control:

VLA-ED: 5 ppm or 25 mg/m³

VLA-EC: 10 ppm or 50 mg/m³

(dermal resorption)

8.3 Respiratory protection:

In the event of fumes forming/aerosols, use suitable respiratory protection. Filter A. Filter P₃.

8.4 Hand protection:

Use suitable gloves

8.5 Eye protection:

Use suitable goggles.

8.6 Individual hygiene measures:

Remove contaminated clothing. Use complete protective equipment. Wash hands and face before breaks and when the job is done. Do not inhale the substance. Do not eat, drink or smoke in the workplace.

8.7 Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

The supplier of the protection equipment must specify the type of protection to be worn when handling the substance or preparation, including the type of material and the breakthrough time of the material, with regard to the amount and duration of exposure.

9. Physical and chemical properties

Appearance:

Transparent, colourless liquid.

Odour:

Characteristic.

pH 7,4 (1 g/l)

Boiling point: 193°C

Melting point: 2°C

Flash point: 61°C

Self-ignition temperature: 370°C

Explosion limits (lower/upper): 1,2 / 7 Vol. %

Vapour pressure: (40°C) 3 hPa

Density (20/4): 0,96

Solubility: 1 g/l in water at 20°C

10. Stability and reactivity

10.1 Conditions which should be avoided:

10.2 Matter which should be avoided:

Acids. Air.

10.3 Hazardous decomposition products:

10.4 Complementary information:

11. Toxicological information

11.1 Acute toxicity:

LD₅₀ oral rat: 1410 mg/kg

LCLo inh rat: 250 mg/m³/4h

LDLo oral man: 50 mg/kg

LD₅₀ dermal rabbit: 1770 mg/kg

Subacute to chronic toxicity:

There are no definite objective conclusions regarding the carcinogenic effect of this substance.

11.2 Dangerous effects for health:

If fumes inhaled: Irritations to the mucosae, coughing, breathing difficulties.

Upon contact with the skin: Irritations to the skin and mucosae. Risk of cutaneous absorption.

Through contact with the eyes: irritations.

If swallowed: Irritations of the mucosae in the mouth, throat, oesophagus and intestinal tract.

If it is absorbed in large quantities: metahemoglobinemia with headaches, spasms, arrhythmia, breathing difficulties, cyanosis, hypotension.

Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

12. Environmental information

12.1 Mobility:

12.2 Ecotoxicity:

12.1.1 - EC₅₀ test (mg/l):

Bacteria (Photobacterium phosphoreum) = 16,3 mg/l ; Classification: Extr. toxic

12.2.2 - Receptor medium:

Risk for the water environment = High

Risk for the land environment = Medium

12.2.3 - Observations:

Extremely toxic in water supplies and soils. Ecotoxicity acute and chronic.

12.3 Degradability:

12.3.1 - Test:-----

12.3.2 - Biotic degradation classification:

BOD₅/COD Biodegradability = -----

12.3.3 - Abiotic degradation depending on pH: -----

12.3.4 - Observations:

Data not available.

12.4 Accumulation:

12.4.1 - Test:

12.4.2 - Bioaccumulation:

Risk = -----

12.4.3 - Observations:

Data not available.

12.5 Other possible effects on the environment:

Do not allow it to enter soils or water channels. Water-pollutant product.

13. Considerations regarding elimination

13.1 Substance or preparation:

In the European Union, there are no homogeneous standards established for elimination of chemical waste, which is waste of a special nature, and treatment and elimination of same is subject to the domestic legislation in each country. In view of this, in each case, you should contact the competent authority or those companies legally authorized for elimination of waste.

2001/573/EC: Council Decision of 23 July 2001 amending Commission Decision 2000/532/EC as regards the list of wastes.

Council Directive 91/156/EEC of 18 March 1991 amending Directive 75/442/EEC on waste.

13.2 Contaminated containers:

Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

14. Information concerning transport

Overland (ADR):

Technical name: N,N-DIMETILANILINA

ONU 2253 Class: 6.1 Packaging group: II (D/E)

By sea (IMDG):

Technical name: N,N-DIMETILANILINA

ONU 2253 Class: 6.1 Packaging group: II

By air (ICAI-IATA):

Technical name: N,N-Dimetilanilina

ONU 2253 Class: 6.1 Packaging group: II

Packaging instructions: CAO 611 PAX 609

15. Mandatory information

15.1 Labelling as per REACH

Symbols: 

Danger indications: Toxic Dangerous for the environment

Phrases R: 23/24/25-40-51/53 Toxic by inhalation, in contact with skin and if swallowed. Limited evidence of a carcinogenic effect. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Phrases S: 28a-36/37-45-61 After contact with skin, wash immediately with plenty of water. Wear suitable protective clothing and gloves. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Avoid release to the environment. Refer to special instructions-safety data sheet.

EC index number: 612-016-00-0

16. Other information

Review number and date: 2 07.06.09

In respect of the previous review, changes have been made to the following sections: 3, 15. The information included in this Safety Data Sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.