



Safety Data Sheet

According to Regulation (EC) 1907/2006



1157 Anilinium Chloride

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

1.1 Identification of the substance or preparation

Name:

Anilinium Chloride

1.2 Synonym:

Aniline Hydrochloride, Benzenamine Hydrochloride, Phenylamine Hydrochloride

1.3 Use of the substance/preparation:

For laboratory utilisation, analysis, research and fine chemistry.

1.4 Identification of the company or firm:

PANREAC QUIMICA S.L.U.

C/Garraf 2

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Emergencies:

Single telephone number for emergency calls: 112 (EU)

Tel.: (+34) 937 489 499

Identification of dangers

Classification of the substance or the mixture.

Classification Regulation (CE) n° 1272/2008.

Carc. 2

Muta. 2

Acute Tox. 3

Acute Tox. 3

Acute Tox. 3

Eye Dam. 1

Skin Sens. 1

Aquatic Acute 1

STOT RE 1

Hazard Pictograms



Signal word

Danger

Hazard statements

H351 Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H341 Suspected of causing genetic defects <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H331 Toxic if inhaled.

H311 Toxic in contact with skin.

H301 Toxic if swallowed.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H372 Causes damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

Precautionary statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash...thoroughly after handling.

P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

Classification (67/548/CEE or 1999/45/CE).

R43

R41

R40

N Dangerous for the environment

R23/24/25

T Toxic

R48/23/24/25

R68

R50

For the full text of the R-phrases mentioned in this section, see section 16.

Component Composition/Information

Name: Anilinium Chloride

Formula: $C_6H_5NH_2.HCl$ M.= 129,60 CAS [142-04-1]

EC number (EINECS): 205-519-8

EC index number: 612-009-00-2

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 immediately to provide artificial respiration. Seek immediate medical assistance.

4.3 Contact with the skin:

Wash with plenty of water. Remove contaminated clothing.

4.4 Eyes:

Wash with plenty of water, keeping eyelids open.

4.5 Swallowing:

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

Fire-fighting means

5.1 Suitable fire-extinguishing means:

Water. Carbon dioxide (CO₂). Foam. Dry powder.

5.2 Fire-fighting means which must NOT be used:

5.3 Special risks:

Combustible. Keep away from sources of ignition. In the event of fire, toxic fumes may form: NO_x, HCl, CO. phosgene Precipitate fumes formed with water.

5.4 Protective equipment:

Measures to be taken in the event of accidental spillage

6.1 Individual precautions:

Do not inhale the dust.

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 dry and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water.

Handling and storage

7.1 Handling:

No special indications.

7.2 Storage:

Well sealed containers. Dry atmosphere. In well ventilated premises. Away from sources of ignition and heat. Away from light. Restricted access, only authorized to technicians. Atmospheric temperature.

Staff exposure/protection controls

8.1 Technical protective measures:

8.2 Exposure limit control:

8.3 Respiratory protection:

If dust forms, use suitable respiratory protection.

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.

8.7 Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

Physical and chemical properties

Appearance: solid

Colour:

Granulometry:

Odour: Odourless.

pH:

Melting point/freezing point: 198 °C

Initial boiling point and boiling range: 245 °C

Flash point: 193 °C

Flammability (solid, gas):

Upper/lower flammability or explosive limits:

Vapour pressure:

Vapour density:

Relative density: 1,22

Solubility: 1.070 g/l water 25 °C

Partition coefficient: n-octanol/water:

Auto-ignition temperature:

Decomposition temperature:

Viscosity:

Stability and reactivity

10.1 Conditions which should be avoided:

Direct sunlight. High temperatures.

10.2 Matter which should be avoided:

Acids. Oxidant agents (amongst others: perchloric acid, perchlorates, halogenates, CrO₃, halogen oxides, nitric acid, nitrogen oxides, non-metal oxides, chromo-sulphuric acid). Alkaline metals. Air

10.3 Hazardous decomposition products:

Phosgene. Carbon monoxide. Chlorine. Hydrogen chloride. Nitrogen oxides.

10.4 Complementary information:

Hygroscopic. Light-sensitive.

Toxicological information

- **Acute toxicity:**

TDL0 oral rat : 130.000 mg/kg

LD50 oral mus : 841 mg/kg

LD50 oral rat : 840 mg/kg

LD L0 ipr rat : 500 mg/kg

LD50 ipr mus : 300 mg/kg

- **Dangerous effects for health:**

If fumes inhaled: Irritations to the mucosae breathing difficulties coughing Upon contact with the skin: Irritations to the skin and mucosae. Risk of cutaneous absorption. Through contact with the eyes: irritations If swallowed: nausea vomiting Irritations of the mucosae in the mouth, throat, oesophagus and intestinal tract. Can cause kidney problems If it is absorbed in large quantities: metahemoglobinemia with headaches hypotension spasms cyanosis arrhythmia breathing difficulties Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

Environmental information

12.1 Mobility:

12.2 Ecotoxicity:

12.1.1 - EC50 test (mg/l):

Fish (*C. auratus*) 5,5 mg/l

Classification:

Extr. toxic

Hydrological organisms. 10 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:

High toxicity in water environment.

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.

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.

Information concerning transport

Overland (ADR):

Technical name: ANILINE HYDROCHLORIDE

UN 1548 Class: 6.1 PELIG.M.AMB Packaging group: III (E)

By sea (IMDG):

Technical name: ANILINE HYDROCHLORIDE

UN 1548 Class: 6.1 PELIG.M.AMB Packaging group: III

By air (ICAI-IATA):

Technical name: Aniline hydrochloride

UN 1548 Class: 6.1 PELIG.M.AMB Packaging group: III

Packaging instructions: CAO 619 PAX 619

Regulatory information

Other information

Other precautionary statements

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P281 Use personal protective equipment as required.

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.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P310 Immediately call a POISON CENTER or doctor/physician.

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 on this label).

P322 Specific measures (see on this label).

P330 Rinse mouth.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P361 Remove/Take off immediately all contaminated clothing.

P363 Wash contaminated clothing before reuse.

P391 Collect spillage.

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

P405 Store locked up.

Labelling (65/548/CEE or 1999/45/CE)

R-phrase(s):	<p>R43 May cause sensitisation by skin contact.</p> <p>R41 Risk of serious damage to eyes.</p> <p>R40 Limited evidence of a carcinogenic effect.</p> <p>R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.</p> <p>R48/23/24/25 Toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.</p> <p>R68 Possible risk of irreversible effects.</p> <p>R50 Very toxic to aquatic organisms.</p>
S-phrase(s):	<p>S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).</p> <p>S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.</p> <p>S27 Take off immediately all contaminated clothing.</p> <p>S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.</p> <p>S61 Avoid release to the environment. Refer to special instructions/safety data sheets.</p> <p>S63 In case of accident by inhalation: remove casualty to fresh air and keep at rest.</p>

Review number and date: 3 3.11.10

Date published: 3.11.10

In respect of the previous review, changes have been made to the following sections: 2, 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.