



S a f e t y D a t a S h e e t
According to Regulation (EC) 1907/2006
and (EU) 453/2010

1156 Aniline

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Name:

Aniline

Synonym:

Benzenamine, Phenylamine

CAS: [62-53-3]

REACH Registration Number: A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) N° 1907/2006, the annual tonnage does not require a registration, the registration is envisaged for a later registration deadline or it is a mixture.

1.2 Relevant identified uses of the substance or mixture:

For laboratory utilisation, analysis, research and fine chemistry.

1.3 Identification of the company or firm:

PANREAC QUIMICA S.L.U.

C/Garraf 2

Polígono Pla de la Bruguera

E-08211 Castellar del Vallès

(Barcelona) Spain

Tel. (+34) 937 489 400

e-mail: product.safety@panreac.com

1.4 Emergency telephone:

Single telephone number for emergency calls: 112 (EU)

Tel.: (+34) 937 489 499

2. Identification of dangers

2.1 Classification of the substance or the mixture.

Classification Regulation (CE) nº 1272/2008.

Acute Tox. 3
Acute Tox. 3
Acute Tox. 3
Carc. 2
Eye Dam. 1
Skin Sens. 1
STOT RE 1
Muta. 2
Aquatic Acute 1

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

N Dangerous for the environment
T Toxic

R43
R41
R40
R23/24/25
R48/23/24/25
R68
R50

2.2 Label elements:

Hazard Pictograms



Signal word

Danger

Hazard statements

H331 Toxic if inhaled.
H311 Toxic in contact with skin.
H301 Toxic if swallowed.
H351 Suspected of causing cancer.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
H372 Causes damage to organs through prolonged or repeated exposure.
H341 Suspected of causing genetic defects.
H400 Very toxic to aquatic life.

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 or spray.
P264 Wash...thoroughly after handling.
P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

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

2.3 Other hazards:

No further relevant information available.

3. Composition/information on ingredients

Name: Aniline

Formula: $C_6H_5NH_2$ M.= 93,13 CAS [62-53-3]

EC number (EINECS): 200-539-3

EC index number: 612-008-00-7

4. First aid measures

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. 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. Laxatives: sodium sulphate (1 soup-spoonful in 250 ml of water). Administer Vaseline oil as a laxative (3 ml/kg).

5. Firefighting measures

5.1 Suitable extinguishing media:

Water. Carbon dioxide (CO₂). Alcohol resistant foam. Dry powder.

5.2 Unsuitable extinguishing media:

No specific data.

5.3 Special hazards arising from the substance or mixture:

Flammable. Keep away from sources of ignition. The fumes are heavier than air, so they may spread at floor level. Auf Rückzündung achten In the event of fire, toxic fumes may form: NO_x.

5.4 Advice for firefighters:

Suitable clothing and footwear.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Do not inhale the fumes.

6.2 Environmental precautions:

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

6.3 Methods and material for containment and cleaning up:

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 Precautions for safe handling:

No special indications.

7.2 Conditions for safe storage, including any incompatibilities:

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.

Recommended storage temperature: Room temperature. The product tends to oxidize, slightly changing colour.

8. Exposure controls/personal protection

8.1 Exposure controls:

No special indications.

8.2 Control parameters:

VLA-ED: 2 ppm = 7,7 mg/m³ dermal resorption

8.3 Respiratory protection:

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

8.4 Hand protection:

Use suitable gloves neopren

8.5 Eye/face 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.

9. Physical and chemical properties

Appearance: liquid

Colour: Colourless to yellowish

Granulometry: N/A

Odour: Characteristic.

pH: ~8,8 ((36g/l))
Melting point/freezing point: -6,3 °C
Initial boiling point and boiling range: 184 °C
Flash point: 76 °C
Flammability (solid, gas):
N/A
Upper/lower flammability or explosive limits: 11 %(V) / 1,3 %(V)
Vapour pressure: 3 hPa (20 °C)
Vapour density: N/A
Relative density:

Insertar Aquí Grupo de repetición

(20/4) 1,0217 g/ml
Solubility: 34 g/l in water (20 °C)
Partition coefficient: n-octanol/water:
N/A
Auto-ignition temperature: 530 °C
Decomposition temperature: N/A
Kinematic viscosity: N/A
Dynamic viscosity:
N/A

10. Stability and reactivity

10.1 Conditions to avoid:

Direct sunlight.

10.2 Incompatible materials:

Acids. Oxidant agents (amongst others: perchloric acid, perchlorates, halogenates, CrO₃, halogen oxides, nitric acid, nitrogen oxides, non-metal oxides, chromo-sulphuric acid). Benzene and by-products. Metalloid halides. Alkaline metals. Alkali-earth metals. Nitrogen organic compounds.

10.3 Hazardous decomposition products:

No specific data.

10.4 Chemical stability:

The gases/fumes can form explosive mixtures with the air.

11. Toxicological information

11.1 Acute toxicity:

LD L0 oral rbt : 500 mg/kg
LD50 oral rat : 250 mg/kg
LD50 skn rbt : 820 mg/kg
LD50 skn rat : 1.400 mg/kg
LC L0 inh rat : 250 ppm 4h
LC50 inh mus : 175 ppm 4h
LC50 inh rat : 250 ppm 4h

11.2 Dangerous effects for health:

If fumes inhaled: Irritations to the mucosae Upon contact with the skin: Irritations to the skin and mucosae. May cause: dermatitis Through contact with the eyes: irritations If it is absorbed in large quantities: methemoglobinemia with headaches nausea arrhythmia breathing difficulties Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

12. Environmental information

12.1 Toxicity:

- EC50 test (mg/l):

Bacteria (Photobacterium phosphoreum) 488 mg/l

Classification:

Highly toxic

Fish 61 mg/l

Classification:

Extr. toxic

- Receptor medium:

Risk for the water environment

High

Risk for the land environment

Medium

- Observations:

High toxicity in water environment.

12.2 Persistence and Degradability :

- Test:

- Biotic degradation classification:

BOD5/COD

Biodegradability

- Abiotic degradation depending on pH:

- Observations:

Data not available.

12.3 Bioaccumulative potential:

- Test:

- Bioaccumulation:

Risk

- Observations:

Data not available.

12.4 Mobility in soil :

Data not available.

12.5 Assessment PBT and MPMB :

Data not available.

12.6 Other adverse effects:

Do not allow it to enter soils or water channels.

Water-pollutant product.

13. Disposal considerations

13.1 Waste treatment methods:

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.

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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. Transport information

Overland (ADR):

Technical name: ANILINE

UN 1547 Class: 6.1 PELIG.M.AMB Packaging group: II (D/E)

By sea (IMDG):

Technical name: ANILINE

UN 1547 Class: 6.1 PELIG.M.AMB Packaging group: II

By air (ICAI-IATA):

Technical name: Aniline

UN 1547 Class: 6.1 PELIG.M.AMB Packaging group: II

Packaging instructions: CAO 662 PAX 654

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

16. 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 or 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-phrases(s): **R43** May cause sensitisation by skin contact.
 R41 Risk of serious damage to eyes.
 R40 Limited evidence of a carcinogenic effect.
 R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
 R48/23/24/25 Toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.
 R68 Possible risk of irreversible effects.
 R50 Very toxic to aquatic organisms.
- S-phrases(s): **S45** In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
 S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
 S27 Take off immediately all contaminated clothing.
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S46 If swallowed, seek medical advice immediately and show this container or label.
 S61 Avoid release to the environment. Refer to special instructions/safety data sheets.
 S63 In case of accident by inhalation: remove casualty to fresh air and keep at rest.

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