

Safety Data Sheet

According to Regulation (EC) 1907/2006



2536 Imidazole

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

1.1 Product identifier

Name:

Imidazole

Synonym:

Glyoxaline

REACH Registration Number: 01-2119485825-24-XXXX

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

Classification of the substance or the mixture.

Classification Regulation (CE) nº 1272/2008.

Acute Toxicity Oral cat. 4

Skin Corr. 1C

Repr. 1B

Hazard Pictograms



Signal word

Danger

Hazard statements

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H360D May damage the unborn child.

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.

P264 Wash...thoroughly after handling.

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

P280 Wear protective gloves, protective clothing, eye protection or face protection.

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

C Corrosive

R22

T Toxic

R34

R61

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

3. Composition/information on ingredients

Name: Imidazole

Formula: C₃H₄N₂ M.= 68,08 CAS [288-32-4]

EC number (EINECS): 206-019-2

REACH Registration Number: 01-2119485825-24-XXXX

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. Take the product out with cotton wool soaked in polyethylene-glycol 400. Seek immediate medical assistance.

4.4 Eyes:

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

4.5 Swallowing:

Wash mouth out immediately. Drink large amounts of water. Seek medical assistance.

5. Firefighting measures

5.1 Suitable extinguishing media:

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

5.2 Unsuitable extinguishing media:

No specific data.

5.3 Special hazards arising from the substance or mixture:

In the event of fire, toxic fumes may form: CO y CO₂.

5.4 Advice for firefighters:

Suitable clothing and footwear. Self-contained breathing equipment. Do not allow extinguishing water into surface or underground water courses.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid breathing dust, fume, gas, mist, vapours or spray. Avoid contact with the skin, eyes or clothing.

6.2 Environmental precautions:

Avoid pollution of the soil, water supplies and drains.

6.3 Methods and material for containment and cleaning up:

Collect up dry 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:

Avoid the formation of electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities:

Well sealed containers. Dry atmosphere. Room temperature.

8. Exposure controls/personal protection

8.1 Exposure controls:

Ensure good ventilation and renewal of the air in the premises.

8.2 Control parameters:

PNECFreshwater: , 0,13mg/l
PNECMarine water: , 0,013mg/l
PNECSporadic release: , 1,3mg/l
PNECSediment: 0,336 ppm Freshwater,
PNECSediment: 0,0336 ppm Marine water,
PNECSoil: 0,0425 ppm ,
PNECPurifying plant: , 10mg/l
DNELWorkers Inhalation, long term (systemic): 10,6 mg/m³ ,
DNELWorkers Dermal, long exposure (systemic): 1,5 ppm ,

8.3 Respiratory protection:

If dust forms, use suitable respiratory protection.

8.4 Hand protection:

Use suitable gloves (PVC)

8.5 Eye/face protection:

Use suitable face mask.

8.6 Individual hygiene measures:

Remove contaminated clothing. Use suitable work clothing. 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: solid
Colour: White
Granulometry: N/A
Odour: Characteristic.
pH: 9,5 - 10,5 ((5% solution))
Melting point/freezing point: 90 °C
Initial boiling point and boiling range: 257 °C
Flash point: 145 °C
Flammability (solid, gas):
N/A
Upper/lower flammability or explosive limits:
N/A
Vapour pressure: 0,003 hPa (20 °C)
Vapour density: N/A
Relative density:
N/A
Solubility: 663 g/l in water (20 °C)
Partition coefficient: n-octanol/water:
N/A
Auto-ignition temperature: 480 °C
Decomposition temperature: N/A
Kinematic viscosity:N/A
Dynamic viscosity:
N/A

10. Stability and reactivity

10.1 Conditions to avoid:

The product is chemically stable under standard ambient conditions (room temperature).

10.2 Incompatible materials:

Strong acids.

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:**

LD50 oral rat : 970 mg/kg

11.2 Dangerous effects for health:

Upon contact with the skin: burns Through contact with the eyes: burns Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

12. Environmental information**12.1 Toxicity:**

Fish (Leuciscus Idus) LC50 280 mg/l (48h)

Crustaceans (Daphnia magna) EC50 342 mg/l (48h)

Algae (Scenedesmus sp) EC50 133 mg/l (72h)

Bacteria (Ps. putida) EC50 1175 mg/l (17h)

12.2 Persistence and Degradability :

Easily biodegradable product.

12.3 Bioaccumulative potential:

Non-bioaccumulable product.

12.4 Mobility in soil :

Adsorption not significant.

12.5 Assessment PBT and MPMB :

According to Annex XIII of Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): Does not meet the criteria for PBT (persistent / bioaccumulative / toxic). According to Annex XIII of Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): Does not meet the criteria vPvB (very persistent / very bioaccumulative).

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.

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14. Transport information

Overland (ADR):

Technical name: CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.

UN 3263 Class: 8 Packaging group: III (E)

By sea (IMDG):

Technical name: CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.

UN 3263 Class: 8 Packaging group: III

By air (ICAI-IATA):

Technical name: Corrosive solid, basic, organic, n.o.s.

UN 3263 Class: 8 Packaging group: III

Packaging instructions: CAO 864 PAX 860

15. Regulatory information

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

16. Other information

Other precautionary statements

P281 Use personal protective equipment as required.
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
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.
P330 Rinse mouth.
P338 Remove contact lenses, if present and easy to do. Continue rinsing.
P363 Wash contaminated clothing before reuse.
P405 Store locked up.
P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

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

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|---------------|---|
| R-phrases(s): | R22 Harmful if swallowed. R34 Causes burns. R61 May cause harm to the unborn child. |
| S-phrases(s): | S22 Do not breathe dust. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S53 Avoid exposure - obtain special instructions before use. |

Version and revision date : 5 06.05.2013

Replaced: 15.09.2011

In respect of the previous review, changes have been made to the following sections: 2, 12

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.