



Safety Data Sheet

According to Regulation (EC) 1907/2006



A367 Triphenylphosphine

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

1.1 Identification of the substance or preparation

Name:

Triphenylphosphine

Synonym:

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 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

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

Identification of dangers

Classification of the substance or the mixture.

Classification Regulation (CE) n° 1272/2008.

Acute Tox. 4

Skin Sens. 1

Aquatic Chronic 4

Hazard Pictograms



Signal word

Warning

Hazard statements

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H413 May cause long lasting harmful effects to aquatic life.

Precautionary statements

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

P264 Wash...thoroughly after handling.

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

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

P273 Avoid release to the environment.

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

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

R53

Xn Harmful R43

R22

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

Component Composition/Information

Name: Triphenylphosphine

Formula: C₁₈H₁₅P M.= 262,29 CAS [603-35-0]

EC number (EINECS): 210-036-0

First aid

4.1 General indications:

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

4.2 Inhaling:

Go out into the fresh air. In the event sickness persists, seek 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. Induce vomiting. Seek medical assistance. Seek medical assistance.

Fire-fighting means

5.1 Suitable fire-extinguishing means:

Carbon dioxide (CO₂). Foam. Dry powder.

5.2 Fire-fighting means which must NOT be used:

Water.

5.3 Special risks:

Combustible. Keep away from sources of ignition. In the event of fire, toxic fumes may form: phosphines Precipitate fumes formed with water. Do not allow extinguishing water into surface or underground water courses.

5.4 Protective equipment:

Suitable clothing and footwear. Self-contained breathing equipment.

Measures to be taken in the event of accidental spillage

6.1 Individual precautions:

Avoid contact with the skin, eyes or clothing. Ensure adequate ventilation. Do not inhale the dust. Avoid sources of ignition. Do not smoke.

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:

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

7.2 Storage:

Well sealed containers. In a cool, dry, well ventilated place. Room temperature.

Staff exposure/protection controls

8.1 Technical protective measures:

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

8.2 Exposure limit control:

: Data not available.

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 suitable work clothing. Wash hands before breaks and when the job is done. Avoid the formation of dust. Do not eat, drink or smoke in the workplace. Do not inhale the substance.

8.7 Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

Physical and chemical properties

Appearance: N/A

Colour:

N/A

Granulometry: N/A

Odour: Characteristic.

pH:

N/A

Melting point/freezing point: 78,5 - 81,5 °C

Initial boiling point and boiling range: 377 °C

Flash point: 181 °C

Flammability (solid, gas):

N/A

Upper/lower flammability or explosive limits:

N/A

Vapour pressure: 0,01 hPa (88 °C)

Vapour density: N/A

Relative density:

N/A

Solubility: in Insoluble in water. Soluble in organic solvents.

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature:

N/A

Decomposition temperature: N/A

Viscosity: N/A

Stability and reactivity

10.1 Conditions which should be avoided:

High temperatures.

10.2 Matter which should be avoided:

Strong oxidant agents. Strong acids.

10.3 Hazardous decomposition products:

Carbon monoxide. Carbon dioxide. Phosphorus oxides.

10.4 Complementary information:

No specific data.

Toxicological information

- **Acute toxicity:**

LD50 oral mus : 1.000 mg/kg

LD50 oral rat : 700 mg/kg

LC50 inh rat : 1135 ppm 4h

- **Dangerous effects for health:**

Through contact with the eyes: Can cause irritations If inhaled: Irritations to the mucosae and respiratory tracts. If swallowed: Harmful to the health. Upon contact with the skin: Can cause irritations Risk of cutaneous absorption. Take the usual precautions for handling chemical products. Other dangerous characteristics are not discarded.

Environmental information

12.1 Toxicity:

12.1.1 - EC50 test (mg/l):

Bacteria (Photobacterium phosphoreum) 1,54 mg/l/5min

12.1.2. - Receptor medium:

Risk for the water environment

High

Risk for the land environment

12.1.3. - Observations:

Ecotoxic in water environment.

12.2 Persistence and Degradability :

12.2.1 - Test:

BOD5

12.2.2. - Biotic degradation classification:

BOD5/COD

Biodegradability = 0,2

12.2.3. - Abiotic degradation depending on pH:

12.2.4. - Observations:

Low biodegradability product.

12.3 Bioaccumulative potential:

12.3.1. - Test:

12.3.2. - Bioaccumulation:

Risk

High

12.3.3. - Observations:

Very bioaccumulable product.

12.4 Mobility in soil :

Repartition: log P(oct)= 4,5

12.5 Assessment PBT and MPMB :

Data not available.

12.6 Other possible effects on the environment:

Water-pollutant product.

Do not allow it to enter soils or water channels.

Do not allow it to enter the sewage system.

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

Not classified as dangerous in the meaning of transport regulations.

Regulatory information

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

Other information

Other precautionary statements

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

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P321 Specific treatment (see on this label).

P330 Rinse mouth.

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

P363 Wash contaminated clothing before reuse.

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

R-phrase(s):	R53 May cause long-term adverse effects in the aquatic environment. R43 May cause sensitisation by skin contact. R22 Harmful if swallowed.
S-phrase(s):	S61 Avoid release to the environment. Refer to special instructions/safety data sheets. S37 Wear suitable gloves. S24 Avoid contact with skin.

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.

In respect of the previous review, changes have been made to the following sections: 2, 3, 15

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