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X-Phos, p-toluidine		X1413

Warning



Synonyms

5-bromo-4-chloro-3-indolylphosphate p-toluidine salt
BCIP

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

1.1. Product identifier

Identification of the product : Raw material
Product code : X1413
Trade name : X-Phos, p-toluidine
CAS number : CAS No : 006578-06-9

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use : For professional use only.
Duchefa Biochemie B.V. products are only intended for in vitro laboratory research purposes.

1.3. Details of the supplier of the safety data sheet

Company identification : Duchefa Biochemie B.V.
A. Hofmanweg 71
2031 BH Haarlem The Netherlands
Tel: +31(0)23-5319093
Fax: +31(0)23-5318027
E-mail:info@duchefa.nl

1.4. Emergency telephone number

Emergency phone nr : Tel: (+31)-(0)23-5319093 (local time : 9.00 to 17.00)
National Poison Information Centre :Europe NL : +31 30 274 88 88
(this service is only available to health professionals)
See www.who.int/ipcs/en/ for a local poison centre

SECTION 2 Hazards identification

2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

: Xn; R20/21/22
Xi; R36/37/38

Hazard Class and Category Code Regulation EC 1272/2008 (CLP)

• Health hazards : Skin irritation - Category 2 - Warning (CLP : Skin Corr. 2)
Eye irritation - Category 2A - Warning (CLP : Eye Irrit. 2)
Specific Target Organ Toxicity - Single exposure - Respiratory tract irritation - Category 3 - Warning (CLP : STOT SE 3)

2.2. Label elements

Labelling EC 67/548 or EC 1999/45

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X-Phos, p-toluidine**X1413****SECTION 2 Hazards identification (continued)**

• Symbol(s)



• R Phrase(s)

: Xi : Irritant
 : R20/21/22 : Harmful by inhalation, in contact with skin and if swallowed.
 R36/37/38 : Irritating to eyes, respiratory system and skin.
 R40 : Limited evidence of a carcinogenic effect.

• S Phrase(s)

: S22 : Do not breathe dust.
 S24/25 : Avoid contact with skin and eyes.
 S36/37 : Wear suitable protective clothing and gloves.

Labelling Regulation EC 1272/2008 (CLP)

• Hazard pictograms



• Hazard pictograms code

: GHS07

• Signal words

: Warning

• Hazard statements

: H315 - Causes skin irritation.
 H319 - Causes serious eye irritation.
 H335 - May cause respiratory irritation.

• Precautionary statements

- Prevention

: P280 - Wear protective gloves, protective clothing, eye protection, face protection.

- Response

: P305+P351 - IF IN EYES : Rinse cautiously with water for several minutes.

- Storage

: P411 - Store at temperatures not exceeding -15°C

2.3. Other hazards

None under normal conditions.

SECTION 3 Composition/information on ingredients**Substance / Preparation**

: Substance.
 X-Phos, p-toluidine
 CAS No :006578-06-9
 EC No :229-506-1
 Annex No :---
 Ref REACH :---

Components

: This product is hazardous.

Substance name	Contents	CAS No	EC No	Annex No	Ref REACH	Classification
X-Phos, p-toluidine	: > 99 %	6578-06-9	229-506-1	----	----	R40 Xn; R20/21/22 Xi; R36/37/38 ----- Eye irrit 2 Skin Irrit. 2 STOT SE 3

Molecular weight (g/mol) 433.6

Structural formula C8H6BrCINO4P.C7H9N

SECTION 4 First aid measures**4.1. Description of first aid measures**

- Inhalation

: Remove victim to fresh air.
 Seek medical advice.

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X-Phos, p-toluidine**X1413****SECTION 4 First aid measures (continued)**

- Skin contact : Flush with plenty of water.
- Eye contact : Rinse with water.
Seek medical advice.
- Ingestion : Rinse mouth.
Seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms and effects, both acute and delayed : No data available.

4.3. Indication of any immediate medical attention and special treatment needed

Medical attention and special treatment needed : No data available.

SECTION 5 Fire-fighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Water.
Carbon dioxide (CO₂).
Dry powder.
Foam.

5.2. Special hazards arising from the substance or mixture

Specific hazards : High temperature may liberate dangerous gases.
CO_x
NO_x

5.3. Advice for fire-fighters

- Flammable class : Not combustible.
- Protection against fire : Wear proper protective equipment.
- Special procedures : Avoid (reject) fire-fighting water to enter environment.

SECTION 6 Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

General precautions : Avoid raising powdered materials into airborne dust.

6.2. Environmental precautions

Environmental precautions : Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Clean up methods : Sweep up dry powder and dispose properly.

6.4. Reference to other sections

Reference to other sections : No Reference

SECTION 7 Handling and storage**7.1. Precautions for safe handling**

General : Store in dry, well-ventilated area.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep container tightly closed and protected from light
Store at -25 - -15 °C



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SECTION 7 Handling and storage (continued)

7.3. Specific end use(s)

Specific end use(s) : For professional use only.
Duchefa Biochemie B.V. products are only intended for in vitro laboratory research purposes.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

No data available.

8.2. Exposure controls

- Eye protection : Safety glasses.
- Skin protection : Wear suitable protective clothing.
- Hand protection : Wear gloves.
- Respiratory protection : P2 Wear approved mask.

SECTION 9 Physical and chemical properties

9.1. Information on basic physical and chemical properties

• Appearance

Appearance : Powder.

Colour : White.

• Odour

Odour : Odourless.

• Odour threshold

Odour threshold : Not established.

• pH

pH value : No data available.

• Melting point / Freezing point

Melting point [°C] : > 200

• Initial boiling point - boiling range

Boiling point [°C] : No data available.

• Flash point

Flash point [°C] : No data available.

• Evaporation rate

Evaporation rate (ether=1) : No data available.

• Flammability

Flammability range [vol% in air] : No data available.

• Explosion limits (lower - upper)

Explosion limits : No data available.

• Vapour pressure

Vapour pressure : No data available.

• Vapour density

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SECTION 9 Physical and chemical properties (continued)

Relative vapour density (air=1) : No data available.

• Relative density

Relative density : Not established.

• SolubilitySolubility : Dimethyl formamide.
DMSO**• Partition coefficient : n-octanol / water**

Log P octanol / water at 20°C : Not established.

• Auto-ignition temperature

Auto-ignition temperature [°C] : No data available.

• Thermal decomposition

Thermal decomposition [°C] : No data available.

• Viscosity

Viscosity : No data available.

• Explosive Properties

Explosive Properties : Not established.

• Oxidising properties

Oxidising properties : Not established.

9.2. Other information

Other data : No data available.

SECTION 10 Stability and reactivity

10.1. Reactivity

Reactivity : No data available.

10.2. Chemical stability

Stability : No data available.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Materials to avoid : Strong oxidizers.

10.6. Hazardous decomposition products

Hazardous decomposition products : When heated to decomposition, emits dangerous fumes.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

No data available.

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SECTION 12 Ecological information

12.1. Toxicity

No data available.

12.2. Persistence - degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

Environmental precautions

: Prevent entry to sewers and public waters.
Avoid release to the environment.

SECTION 13 Disposal considerations

13.1. Waste treatment methods

General

: Dispose of this material and its container at hazardous or special waste collection point.

SECTION 14 Transport information

14.1. UN Number

Not applicable.

14.2. Proper shipping name

Not applicable.

14.3. Transport Hazard Classification

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Bulk transport - annex II Marpol 73/78 - IBC

Not applicable.

SECTION 15 Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Ensure all national/local regulations are observed.

15.2. Chemical Safety Assessment

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SECTION 15 Regulatory information (continued)

Not established.

SECTION 16 Other information

Further information : The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Revision : Complete SDS revision

The contents and format of this SDS are in accordance with REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

End of document