

# Safety data sheet

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BASF Safety data sheet according to Regulation (EC) No.1907/2006

Date / Revised: 16.12.2008

Version: 1.0

Product: **CONIPUR TC 481,P.A white**

(30351140/SDS\_GEN\_EU/EN)

Date of print 17.12.2008

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## 1. Substance/preparation and company identification

### **CONIPUR TC 481,P.A white**

Use: Product for construction chemicals

Company:

BASF SE

67056 Ludwigshafen

GERMANY

Operating Division Construction Chemicals

Telephone: +49 621 60-74354

Telefax number: +49 621 60-6674354

E-mail address: info.construction-chemicals@basf.com

Emergency information:

International emergency number:

Telephone: +49 180 2273-112

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## 2. Hazard identification

May cause sensitization by skin contact.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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## 3. Composition/information on ingredients

Chemical nature

Preparation based on: amine

### Hazardous ingredients

N,N'-(Methylenedi-4,1-cyclohexanediyl)bis-aspartic acid tetraethyl ester

Content (W/W):  $\geq 25\%$  -  $\leq 50\%$

CAS Number: 136210-30-5

EC-Number: 433-260-2

Hazard symbol(s): Xi

R-phrase(s): 43, 52/53

Phenol, 2-(2H-benzotriazol-2-yl)-6-dodecyl-4-methyl-

Content (W/W):  $\geq 0.1\%$  -  $\leq 0.5\%$

CAS Number: 23328-53-2

EC-Number: 401-680-5

Hazard symbol(s): N

R-phrase(s): 51/53

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified

Content (W/W):  $\geq 0.1\%$  -  $\leq 0.5\%$

CAS Number: 64742-95-6

EC-Number: 265-199-0

INDEX-Number: 649-356-00-4

Hazard symbol(s): Xn, N

R-phrase(s): 10, 51/53, 65, 66, 67

1,2,4-trimethylbenzene

Content (W/W):  $\geq 0.1\%$  -  $\leq 0.5\%$

CAS Number: 95-63-6

EC-Number: 202-436-9

INDEX-Number: 601-043-00-3

Hazard symbol(s): Xn, N

R-phrase(s): 10, 20, 36/37/38, 51/53

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

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## 4. First-aid measures

General advice:

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

If inhaled:

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

On skin contact:

After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

On contact with eyes:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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On ingestion:

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

Note to physician:

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## 5. Fire-fighting measures

Suitable extinguishing media:

foam, water spray, dry extinguishing media, carbon dioxide

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

carbon monoxide, carbon dioxide, harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment:

Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Containers may rocket or explode in heat of fire. Contaminated extinguishing water must be disposed of in accordance with official regulations.

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## 6. Accidental release measures

Personal precautions:

Do not breathe vapour/aerosol/spray mists. Wear eye/face protection. If exposed to high vapour concentration, leave area immediately. Use personal protective clothing. Avoid all sources of ignition: heat, sparks, open flame.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:

For small amounts: Pick up with suitable appliance and dispose of. Pick up with inert absorbent material (e.g. sand, earth etc.). Dispose of contaminated material as prescribed.

For large amounts: Pump off product.

Do not discharge into drains/surface waters/groundwater.

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## 7. Handling and storage

### Handling

Avoid aerosol formation. Avoid inhalation of dusts/mists/vapours. Keep container tightly sealed. No special measures necessary provided product is used correctly.

### Protection against fire and explosion:

The product is combustible. Vapours may form explosive mixture with air. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

### Storage

Segregate from lyes. Segregate from acids. Segregate from oxidants. Segregate from foods and animal feeds.

Further information on storage conditions: Containers should be stored tightly sealed in a dry place.

Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame.

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## 8. Exposure controls and personal protection

### Components with workplace control parameters

95-63-6: 1,2,4-trimethylbenzene

### Personal protective equipment

#### Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK).

#### Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other  
Manufacturer's directions for use should be observed because of great diversity of types.

#### Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

#### Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

**General safety and hygiene measures:**

Avoid contact with the skin, eyes and clothing. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

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## 9. Physical and chemical properties

Form:	liquid	
Colour:	various, depending on the colourant	
Odour:	faint specific odour	
Flash point:	> 110 °C	(DIN 53213-1)
Flammability:	not self-igniting	
Self-ignition temperature:	not self-igniting	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Density:	approx. 1.74 g/cm <sup>3</sup> (20 °C)	
Solubility in water:	insoluble	
Viscosity, dynamic:	approx. 4,600 mPa.s (23 °C)	

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## 10. Stability and reactivity

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:  
strong acids, strong alkalies, strong oxidizing agents

Hazardous reactions:  
The product is stable if stored and handled as prescribed/indicated.

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## 11. Toxicological information

### Irritation

Assessment of irritating effects:  
Prolonged exposure to the product can result in irritation of the skin and mucous membranes.

### Sensitization

Assessment of sensitization:  
May cause sensitization by skin contact.

### Other relevant toxicity information

The product has not been tested. The statement has been derived from the properties of the individual components.

### Experiences in humans

According to experience, the product is considered to be harmless to health if used in the correct manner.

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## 12. Ecological information

### Ecotoxicity

Assessment of aquatic toxicity:  
No data available concerning aquatic toxicity.

*Information on: 1,2,4-trimethylbenzene*

*Assessment of aquatic toxicity:*

*Acutely toxic for aquatic organisms. Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.*

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*Information on: 1,2,4-trimethylbenzene*

*Toxicity to fish:*

*LC50 (8 d) 7.4 mg/l, Pimephales promelas (Flow through.)*

*Literature data.*

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*Information on: 1,2,4-trimethylbenzene*

*Aquatic invertebrates:*

*EC50 (48 h) approx. 6.14 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)*

*The statement of the toxic effect relates to the analytically determined concentration. The product has low solubility in the test medium. An eluate has been tested. Literature data.*

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*Information on: 1,2,4-trimethylbenzene*

*Aquatic plants:*

*EC50 (72 h) 1 - 2 mg/l (growth rate), Chlorella sp. (static)*

*Literature data.*

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### Additional information

Other ecotoxicological advice:

Do not allow to enter soil, waterways or waste water channels.

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### 13. Disposal considerations

Observe national and local legal requirements.

Waste key:

08 01 11<sup>□</sup> waste paint and varnish containing organic solvents or other dangerous substances

Contaminated packaging:

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

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### 14. Transport information

#### Land transport

ADR

Not classified as a dangerous good under transport regulations

RID

Not classified as a dangerous good under transport regulations

#### Inland waterway transport

ADNR

Not classified as a dangerous good under transport regulations

#### Sea transport

IMDG

Not classified as a dangerous good under transport regulations

#### Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

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### 15. Regulatory information

#### Regulations of the European union (Labelling) / National legislation/Regulations

Directive 1999/45/EC ('Preparation Directive'):

Hazard symbol(s)

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Xi	Irritant.
R-phrase(s)	
R43	May cause sensitization by skin contact.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrase(s)	
S2	Keep out of the reach of children.
S24	Avoid contact with skin.
S35	This material and its container must be disposed of in a safe way.
S37	Wear suitable gloves.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

Hazard determining component(s) for labelling:

N,N'-(METHYLENEDI-4,1-CYCLOHEXANEDIYL)BIS-ASPARTIC ACID TETRAETHYL ESTER

**Other regulations****16. Other information**

Due to the merger of Degussa Construction chemicals and BASF Group all Material Safety Data Sheets have been reassessed on the basis of consolidated information. This may have resulted in changes of the Material Safety Data Sheets. In case you have questions concerning such changes please contact us under the address mentioned in Section I.

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 3:

Xi	Irritant.
N	Dangerous for the environment.
Xn	Harmful.
43	May cause sensitization by skin contact.
52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
10	Flammable.
65	Harmful: may cause lung damage if swallowed.
66	Repeated exposure may cause skin dryness or cracking.
67	Vapours may cause drowsiness and dizziness.
20	Harmful by inhalation.
36/37/38	Irritating to eyes, respiratory system and skin.

Vertical lines in the left hand margin indicate an amendment from the previous version.

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The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.