

Safety data sheet

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BASF Safety data sheet
Date / Revised: 20.04.2011
Product: **CONGRESIVE 1446 PTA**

Version: 1.0

(30367656/SDS_GEN_AU/EN)

Date of print 21.04.2011

1. Substance/preparation and company identification

CONGRESIVE 1446 PTA

Use: Product for construction chemicals

Company:

BASF Australia Limited (ABN 62 008 437 867)
Level 12, 28 Freshwater Place Southbank
Victoria 3006, AUSTRALIA
Telephone: +61 3 8855-6600
Telefax number: +61 3 8855-6511

Emergency information:

BASF Emergency Advice Number: 1800 803 440 (24h) [within Australia]
BASF Emergency Advice Number: + 61 3 8855 6666 [outside Australia]

2. Hazard identification

HAZARDOUS SUBSTANCE, NON-DANGEROUS GOOD

Irritating to eyes and skin.

May cause sensitization by skin contact.

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

Keep out of the reach of children.

Avoid contact with skin and eyes.

After contact with skin, wash immediately with plenty of water and soap.

Wear suitable gloves and eye/face protection.

If swallowed, seek medical advice immediately and show this container or label.

Avoid release to the environment. Refer to special instructions/safety data sheets.

3. Composition/information on ingredients

Chemical nature

Preparation based on: epoxy resin, fillers, pigments

Hazardous ingredients

BISPHENOL-F-EPICHLORHYDRINE

Content (W/W): $\geq 30\%$ - $\leq 60\%$
CAS Number: 28064-14-4

Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer

Content (W/W): $\geq 10\%$ - $\leq 30\%$
CAS Number: 25085-99-8

Reaction product: bisphenol-A-(epichlorhydrin)-Epoxy resin (number average molecular weight ≤ 700)

Content (W/W): $\geq 10\%$ - $\leq 30\%$
CAS Number: 25068-38-6

1,4-bis(2,3-epoxypropoxy)butane

Content (W/W): $\geq 7\%$ - $\leq 13\%$
CAS Number: 2425-79-8
Hazard symbol(s): Xn
R-phrases: 20/21, 36/38, 43

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

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:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

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:

Symptoms: Eye irritation, skin irritation, allergic symptoms

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

5. Fire-Fighting Measures

Suitable extinguishing media:

foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

carbon monoxide, carbon dioxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

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. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental Release Measures

Personal precautions:

Use personal protective clothing. Do not breathe vapour/aerosol/spray mists. Handle in accordance with good building materials hygiene and safety practice.

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 inert absorbent material (e.g. sand, earth etc.). Dispose of contaminated material as prescribed.

For large amounts: Pump off product.

7. Handling and Storage

Handling

Avoid aerosol formation. Avoid inhalation of mists/vapours. Avoid skin contact. No special measures necessary provided product is used correctly.

Protection against fire and explosion:

The product does not contribute to the spreading of flames, nor is it self combustible, not explosive. Take precautionary measures against static discharges.

Storage

Suitable materials for containers: tin (tinplate)

Further information on storage conditions: Keep only in the original container in a cool, well-ventilated place. Protect from direct sunlight. Store protected against freezing.

8. Exposure controls and personal protection

Components with workplace control parameters

no exposure standard allocated

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).

9. Physical and Chemical Properties

Form: liquid
Colour: amber
Odour: mild

pH value: neutral to slightly alkaline

Flash point: 100 °C

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Flammability: not highly flammable
Explosion hazard: not explosive

Vapour pressure:
No data available.

Density: approx. 1.3 g/cm³
(20 °C)

Relative vapour density (air):
Heavier than air.

Solubility in water: insoluble
(20 °C)

Miscibility with water:
(20 °C)
not soluble

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

10. Stability and Reactivity

Conditions to avoid:

See MSDS section 7 - Handling and storage.

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

Substances to avoid:

strong acids, strong bases, strong oxidizing agents

Hazardous reactions:

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

No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion.

Irritation

Assessment of irritating effects:

Eye contact causes irritation. Skin contact causes irritation.

Sensitization

Assessment of sensitization:

Sensitization after skin contact possible.

Repeated dose toxicity

Assessment of repeated dose toxicity:

No reliable data was available concerning repeated dose toxicity.

Genetic toxicity

Assessment of mutagenicity:

The chemical structure does not suggest a specific alert for such an effect.

Carcinogenicity

Assessment of carcinogenicity:

Based on the ingredients there is no suspicion of a carcinogenic effect.

Reproductive toxicity

Assessment of reproduction toxicity:

The chemical structure does not suggest a specific alert for such an effect.

Developmental toxicity

Assessment of teratogenicity:

The chemical structure does not suggest a specific alert for such an effect.

Other relevant toxicity information

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:

Acutely toxic for aquatic organisms. May cause long-term adverse effects in the aquatic environment. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. The product has not been tested. The statement has been derived from the properties of the individual components.

Mobility

Assessment transport between environmental compartments:

The substance will not evaporate into the atmosphere from the water surface.

Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

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

Bioaccumulation potential

Bioaccumulation potential:

Because of the product's consistency and low water solubility, bioavailability is improbable.

Additional information

Other ecotoxicological advice:

Acutely toxic for aquatic organisms. Do not discharge product into the environment without control.

13. Disposal Considerations

Observe national and local legal requirements.

Residues should be disposed of in the same manner as the substance/product.

Contaminated packaging:

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

14. Transport Information

Domestic transport:

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

15. Regulatory Information

Poisons Schedule: Not scheduled

Regulations of the European union (Labelling)

as in Annex I of Directive 67/548/EEC:

Hazard symbol(s)

Xi

Irritant.

N

Dangerous for the environment.

R-phrases(s)

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R36/38	Irritating to eyes and skin.
R43	May cause sensitization by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s)	
S2	Keep out of the reach of children.
S24/25	Avoid contact with skin and eyes.
S28.1	After contact with skin, wash immediately with plenty of water and soap.
S37/39	Wear suitable gloves and eye/face protection.
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.

Contains epoxy-containing compounds. Observe manufacturer's instructions.

Hazard determining component(s) for labelling: Reaction product: bisphenol-A-(epichlorhydrin)-Epoxy resin (number average molecular weight <= 700)

Other regulations

as in Annex I of Directive 67/548/EEC

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Registration status:

AICS, AU released / listed

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:	
Xn	Harmful.
20/21	Harmful by inhalation and in contact with skin.
36/38	Irritating to eyes and skin.
43	May cause sensitization by skin contact.

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.