

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 18.10.2011  
Product: **CONCRESlVE 1444 PART A**

Version: 1.0

(30431713/SDS\_GEN\_AU/EN)

Date of print 19.10.2011

## 1. Substance/preparation and company identification

### CONCRESlVE 1444 PART A

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

#### Hazardous ingredients

bisphenol A

Content (W/W):  $\geq 50\%$  -  $< 75\%$   
CAS Number: 80-05-7  
Hazard symbol(s): Xn  
R-phrases: 37, 41, 43, 62, 52

Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

Content (W/W):  $\geq 10\%$  -  $< 15\%$   
CAS Number: 68609-97-2  
Hazard symbol(s): Xi  
R-phrases: 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 contact dermatitis

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 powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:  
water jet

Specific hazards:  
See MSDS section 7 - Handling and storage.

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.

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## 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.

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## 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.

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## 8. Exposure controls and personal protection

### Components with workplace control parameters

Titanium dioxide, 13463-67-7;  
TWA value 10 mg/m<sup>3</sup> (OEL (AU)), Inhalable dust

### 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:	highly viscous
Colour:	grey
Odour:	characteristic
pH value:	not available
:	> 100 °C No data available.
Flash point:	not applicable

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Flammability:	does not ignite
Lower explosion limit:	not applicable
Upper explosion limit:	not applicable
Self heating ability:	It is not a substance capable of spontaneous heating.
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	not applicable
Density:	1.16 - 1.20 g/cm <sup>3</sup> (20 °C)
Bulk density:	not applicable
Miscibility with water:	immiscible
Hygroscopy:	Non-hygroscopic
Viscosity, dynamic:	not applicable
Solids content:	100 %

**Other Information:**

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

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## 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

Corrosion to metals: No corrosive effect on metal.

**Hazardous reactions:**

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

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

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

### **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.

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## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

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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.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Not readily biodegradable (by OECD criteria).

The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

### **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.

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## **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.

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## **14. Transport Information**

### **Domestic transport:**

Hazard class: 9

Packing group: III

ID number: UN 3082

Hazard label: 9, EHSM

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(contains BISPHENOL-A-EPICHLORHYDRIN RESINS M <=700)

### **Further information**

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Hazchem Code:3Z  
IERG Number:47

**Sea transport**

## IMDG

Hazard class: 9  
Packing group: III  
ID number: UN 3082  
Hazard label: 9, EHSM  
Marine pollutant: YES  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(contains BISPHENOL-A-EPICHLORHYDRIN RESINS M <=700)

**Air transport**

## IATA/ICAO

Hazard class: 9  
Packing group: III  
ID number: UN 3082  
Hazard label: 9, EHSM  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(contains BISPHENOL-A-EPICHLORHYDRIN RESINS M <=700)

**Further information**

Environmentally Hazardous Substances meeting the description of UN 3077 or UN 3082 are not subjected to the Australian Dangerous Goods Code when transported by road or rail in packagings not exceeding 500 Kg or 500 L.

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**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-phrase(s)

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.

### **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

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## **16. Other Information**

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

Xn	Harmful.
Xi	Irritant.
37	Irritating to respiratory system.
41	Risk of serious damage to eyes.
43	May cause sensitization by skin contact.
62	Possible risk of impaired fertility.
52	Harmful to aquatic organisms.
38	Irritating to skin.

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

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.