

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 03.08.2011  
Product: **CONCRESlVE 2525 PART A**

Version: 1.0

(30364356/SDS\_GEN\_NZ/EN)

Date of print 04.08.2011

## 1. Substance/preparation and company identification

### CONCRESlVE 2525 PART A

Use: Product for construction chemicals

Company:

BASF New Zealand Limited  
3 Airpark Drive, Airport Oaks, Manukau  
P.O. Box 407, Auckland 1015, NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:

National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

## 2. Hazard identification

**Classification:** Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001 (New Zealand)

**Subclasses:** Subclass 6.3 Category A - Substance which are skin irritants  
Subclass 6.4 Category A - Substance which are eye irritants  
Subclass 6.5 Category B - Substance which are sensitisers  
Subclass 9.1 Category B - Substance that are ecotoxic to aquatic environment

### 3. Composition/information on ingredients

#### Chemical nature

Preparation based on: bisphenol A-epichlorohydrin resin

#### Hazardous ingredients

bisphenol A-epichlorohydrin resin

CAS Number: 25068-38-6  
Hazard symbol(s): Xi, N  
R-phrase(s): 36/38, 43, 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:

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:  
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.

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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.

Protect from temperatures below: 5 °C  
Protect from temperatures above: 35 °C

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## 8. Exposure controls and personal protection

### Components with workplace control parameters

The substances without values are not listed in the occupational exposure regulations for the validity area of this safety data sheet.

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).

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## 9. Physical and Chemical Properties

Form: liquid  
Colour: colourless to yellowish  
Odour: characteristic

pH value: neutral to slightly alkaline

boiling temperature: > 200 °C

Flash point: > 150 °C

Explosion hazard: not explosive

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Density: 1.12 g/cm<sup>3</sup>  
(25 °C)  
not applicable

Bulk density: not applicable

**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 data available.

**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.

Information on: bisphenol A-epichlorohydrin resin

**Assessment of irritating effects:**

Eye contact causes irritation. Skin contact causes irritation.

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### Sensitization

**Assessment of sensitization:**

Sensitization after skin contact possible.

Information on: bisphenol A-epichlorohydrin resin

**Assessment of sensitization:**

Sensitization after skin contact possible.  
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### 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

Sensitization through inhalation or skin contact possible. The product has not been tested. The statement has been derived from the properties of the individual components.

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## 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.

Information on: bisphenol A-epichlorohydrin resin

Toxicity to fish:

LC50 (96 h) 1.41 mg/l, *Oryzias latipes* (JIS K 0102-71, semistatic)  
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### Mobility

Assessment transport between environmental compartments:

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

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

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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**

Hazchem Code:3Z  
IERG Number:47

**Sea transport**  
IMDG

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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)

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**15. Regulatory Information**

**Classification:** Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001  
(New Zealand)

**Subclasses:** Subclass 6.3 Category A - Substance which are skin irritants  
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environment

**Hazard determining component(s) for labelling:** BISPHENOL-A-EPICHLORHYDRIN RESINS M  
<=700

**Other regulations**

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:**

NZIOC, NZ released / listed  
GrpStd HSR002544

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**16. Other Information**

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

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Xi	Irritant.
N	Dangerous for the environment.
36/38	Irritating to eyes and skin.
43	May cause sensitization by skin contact.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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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.