

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 30.03.2011  
Product: **CONGRESIVE 2525 PART A**

Version: 1.0

(30364356/SDS\_GEN\_AU/EN)

Date of print 31.03.2011

## 1. Substance/preparation and company identification

### CONGRESIVE 2525 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, 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.

Avoid contact with skin.

After contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer).

Wear suitable gloves and eye/face protection.

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

### 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

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

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

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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.

LD50 rat (oral): > 10,000 mg/kg

### 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.

The European Union (EU) has classified this substance as skin-sensitizing (R43).

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:

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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.  
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**

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**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.

**15. Regulatory Information**

Poisons Schedule: Not scheduled

**Regulations of the European union (Labelling)****EEC Directives:****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)**

S24 Avoid contact with skin.  
 S28 After contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer).  
 S37/39 Wear suitable gloves and eye/face protection.  
 S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

