

Safety data sheet

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

Date / Revised: 22.03.2010

Version: 1.1

Product: **CONCRESlVE 1380 PART B**

(30506500/SDS_GEN_EU/EN)

Date of print 12.05.2010

1. Identification of the substance/mixture and of the company/undertaking

CONCRESlVE 1380 PART B

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

2. Hazards Identification

Possible Hazards (according to Directive 67/548/EWG or 1999/45/EC)

Harmful if swallowed.

Causes burns.

May cause sensitization by skin contact.

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

Possible risk of impaired fertility.

3. Composition/Information on Ingredients

Chemical nature

amines

Hazardous ingredients

according to Directive 1999/45/EC

| 2-sec-Butylphenol

Content (W/W): $\geq 25\%$ - $\leq 50\%$
CAS Number: 89-72-5
EC-Number: 201-933-8

| Trimethylhexane-1,6-diamine

Content (W/W): $\geq 25\%$ - $\leq 50\%$
CAS Number: 25620-58-0
EC-Number: 247-134-8

| 7-Azatridecane-1,13-diamine

Content (W/W): $\geq 10\%$ - $\leq 25\%$
CAS Number: 143-23-7
EC-Number: 205-593-1

| 2,4,6-tris(dimethylaminomethyl)phenol

Content (W/W): $\geq 10\%$ - $\leq 25\%$
CAS Number: 90-72-2
EC-Number: 202-013-9
INDEX-Number: 603-069-00-0
Hazard symbol(s): Xn
R-phrase(s): 22, 36/38

| 2,2'-iminodi(ethylamine)

Content (W/W): $\geq 5\%$ - $\leq 10\%$
CAS Number: 111-40-0
EC-Number: 203-865-4
Hazard symbol(s): C
R-phrase(s): 21/22, 34, 43

| bisphenol A

Content (W/W): $\geq 5\%$ - $\leq 10\%$
CAS Number: 80-05-7
EC-Number: 201-245-8
INDEX-Number: 604-030-00-0
Hazard symbol(s): Xn
R-phrase(s): 37, 41, 43, 62, 52

| Benzyl alcohol

Content (W/W): $\leq 2.5\%$
CAS Number: 100-51-6
EC-Number: 202-859-9
INDEX-Number: 603-057-00-5
Hazard symbol(s): Xn
R-phrase(s): 20/22

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. Immediately 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.

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 dioxide, carbon monoxide, nitrogen oxides, fumes/smoke, carbon black, corrosive gases/vapours

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. Ensure adequate ventilation. 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.

Storage

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

Protect from temperatures below: 5 °C

Protect from temperatures above: 35 °C

8. Exposure Controls/Personal Protection

Components with workplace control parameters

| 89-72-5: 2-sec-Butylphenol (Content (W/W): $\geq 25\%$ - $\leq 50\%$)

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:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen based on level of activity and exposure.

General safety and hygiene measures:

Do not inhale gases/vapours/aerosols. Avoid contact with the skin, eyes and clothing. 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:	colourless to yellowish
Odour:	ammonia-like
Boiling point:	No data available.
Flash point:	> 101 °C
Flammability:	not self-igniting
Lower explosion limit:	not available
Upper explosion limit:	not available
Self ignition:	not self-igniting
Explosion hazard:	not explosive
Vapour pressure:	No data available.
Density:	0.95 g/cm ³ (20 °C)
Solubility in water:	not soluble
Viscosity, dynamic:	No data available.

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.
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Substances to avoid:

| zinc, aluminium, oxidizing agents, strong alkalies, acids

Corrosion to metals: No data available.

Hazardous reactions:

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

11. Toxicological Information

Acute toxicity

| *Information on: bisphenol A*

| *Experimental/calculated data:*

| *LD50 rat (oral): approx. 5,000 mg/kg (OECD Guideline 401)*

| *Information on: bisphenol A*

| *Experimental/calculated data:*

| *LD50 rabbit (dermal): 2,300 mg/kg*

Irritation

Assessment of irritating effects:

Causes burns.

Respiratory/Skin sensitization

Experimental/calculated data:

Can sensitize the skin and/or respiratory tract of allergic persons.

Experiences in humans

Experimental/calculated data:

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

Other relevant toxicity information

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

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:

No data available concerning aquatic toxicity.

Additional information

Other ecotoxicological advice:

Do not allow to enter soil, waterways or waste water channels. According to experience, the material has no harmful effect on the environment.

13. Disposal Considerations

Observe national and local legal requirements.

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

Waste key:

08 04 09⁺ waste adhesives and sealants 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.

14. Transport Information

Land transport

ADR

Hazard class:	8
Packing group:	III
ID number:	UN 3267
Hazard label:	8
Proper shipping name:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (contains 2-SEC-BUTYLPHENOL, TRIMETHYLHEXANE-1,6-DIAMINE)

RID

Hazard class:	8
Packing group:	III
ID number:	UN 3267
Hazard label:	8
Proper shipping name:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (contains 2-SEC-BUTYLPHENOL, TRIMETHYLHEXANE-1,6-DIAMINE)

Inland waterway transport

ADNR

Hazard class:	8
Packing group:	III
ID number:	UN 3267
Hazard label:	8
Proper shipping name:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (contains 2-SEC-BUTYLPHENOL, TRIMETHYLHEXANE-1,6-DIAMINE)

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Sea transport**IMDG**

Hazard class:	8
Packing group:	III
ID number:	UN 3267
Hazard label:	8
Marine pollutant:	NO
Proper shipping name:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (contains 2-SEC-BUTYLPHENOL, TRIMETHYLHEXANE-1,6-DIAMINE)

Air transport**IATA/ICAO**

Hazard class:	8
Packing group:	III
ID number:	UN 3267
Hazard label:	8
Proper shipping name:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (contains 2-SEC-BUTYLPHENOL, TRIMETHYLHEXANE-1,6-DIAMINE)

15. Regulatory Information**Regulations of the European union (Labelling) / National legislation/Regulations****EEC Directives:**

Hazard symbol(s)	
C	Corrosive.
R-phrase(s)	
R22	Harmful if swallowed.
R34	Causes burns.
R43	May cause sensitization by skin contact.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62	Possible risk of impaired fertility.
S-phrase(s)	
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 bis	Wear suitable protective clothing, gloves and eye/face protection, also during mixing and loading of the agent.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S51	Use only in well-ventilated areas.

Hazard determining component(s) for labelling: TRIMETHYLHEXANE-1,6-DIAMINE, bisphenol A, 2-SEC-BUTYLPHENOL

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:

Xn	Harmful.
C	Corrosive.
22	Harmful if swallowed.
36/38	Irritating to eyes and skin.
21/22	Harmful in contact with skin and if swallowed.
34	Causes burns.
43	May cause sensitization by skin contact.
37	Irritating to respiratory system.
41	Risk of serious damage to eyes.
62	Possible risk of impaired fertility.
52	Harmful to aquatic organisms.
20/22	Harmful by inhalation and if swallowed.

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.