

Safety data sheet

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BASF Safety data sheet

Date / Revised: 18.10.2011

Product: **CONGRESIVE 1446 PTB**

Version: 1.1

Classified as hazardous according to criteria of NOHSC

(30367657/SDS_GEN_AU/EN)

Date of print 19.10.2011

1. Substance/preparation and company identification

CONGRESIVE 1446 PTB

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

Causes burns.

Toxic by inhalation, in contact with skin and if swallowed.

May cause sensitization by skin contact.

Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.

Possible risk of irreversible effects.

Keep locked-up and out of reach of children.

Avoid contact with skin and eyes.

Avoid contact with clothing.

Wear suitable protective clothing, gloves and eye/face protection.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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3. Composition/information on ingredients

Chemical nature

Hazardous ingredients

phenol

Content (W/W): $\geq 10\%$ - $\leq 30\%$
CAS Number: 108-95-2
Hazard symbol(s): T, C
R-phrase(s): 23/24/25, 34, 48/20/21/22, 68

1,3-Benzenedimethanamine

Content (W/W): $\geq 10\%$ - $\leq 30\%$
CAS Number: 1477-55-0

o-cresol

Content (W/W): $\geq 1\%$ - $\leq 5\%$
CAS Number: 95-48-7
Hazard symbol(s): T
R-phrase(s): 24/25, 34

2,4-xylenol

Content (W/W): $\geq 1\%$ - $\leq 5\%$
CAS Number: 105-67-9
Hazard symbol(s): T, N
R-phrase(s): 24/25, 34, 51/53

Phenol, 4-methyl-

Content (W/W): $\geq 1\%$ - $\leq 5\%$
CAS Number: 106-44-5
Hazard symbol(s): T
R-phrase(s): 24/25, 34

Phenol, 3-methyl-

Content (W/W): $\geq 1\%$ - $\leq 5\%$
CAS Number: 108-39-4
Hazard symbol(s): T
R-phrase(s): 24/25, 34

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. 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.

Note to physician:

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

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 dioxide, carbon monoxide, 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. If exposed to fire, keep containers cool by spraying with water. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Contaminated extinguishing water must be disposed of in accordance with official regulations.

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6. Accidental Release Measures

Personal precautions:

Do not breathe vapour/aerosol/spray mists. Wear eye/face protection. If exposed to high vapour concentration, leave area immediately. Use personal protective clothing. 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.

Storage

Suitable materials for containers: High density polyethylene (HDPE), tin (tinplate)

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.

8. Exposure controls and personal protection

Components with workplace control parameters

phenol, 108-95-2; (Content (W/W): 0 %)

TWA value 4 mg/m³ ; 1 ppm (OEL (AU))

Skin Designation (OEL (AU))

The substance can be absorbed through the skin.

1,3-Benzenedimethanamine, 1477-55-0; (Content (W/W): 0 %)

Peak limitation 0.1 mg/m³ (OEL (AU))

Skin Designation (OEL (AU))

The substance can be absorbed through the skin.

o-cresol, 95-48-7; (Content (W/W): 0 %)

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TWA value 22 mg/m³ ; 5 ppm (OEL (AU))

Skin Designation (OEL (AU))

The substance can be absorbed through the skin.

TWA value 20 mg/m³ (ACGIHTLV), Inhalable fraction and vapor

Skin Designation (ACGIHTLV), Inhalable fraction and vapor

The substance can be absorbed through the skin.

2,4-xyleneol, 105-67-9; (Content (W/W): 0 %)

Phenol, 4-methyl-, 106-44-5; (Content (W/W): 0 %)

TWA value 22 mg/m³ ; 5 ppm (OEL (AU))

Skin Designation (OEL (AU))

The substance can be absorbed through the skin.

TWA value 20 mg/m³ (ACGIHTLV), Inhalable fraction and vapor

Skin Designation (ACGIHTLV), Inhalable fraction and vapor

The substance can be absorbed through the skin.

Phenol, 3-methyl-, 108-39-4; (Content (W/W): 0 %)

TWA value 22 mg/m³ ; 5 ppm (OEL (AU))

Skin Designation (OEL (AU))

The substance can be absorbed through the skin.

TWA value 20 mg/m³ (ACGIHTLV), Inhalable fraction and vapor

Skin Designation (ACGIHTLV), Inhalable fraction and vapor

The substance can be absorbed through the skin.

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Particle filter with high efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P3 or FFP3).

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:

Do not inhale gases/vapours/aerosols. Avoid contact with the skin, eyes and clothing. Avoid exposure - obtain special instructions before use. 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:	black
Odour:	ammonia-like
pH value:	neutral to slightly alkaline
boiling temperature:	approx. 182 °C
Flash point:	80 °C
Flammability:	not highly flammable
Explosion hazard:	not explosive
Density:	approx. 1.0 g/cm ³ (55 °C)
Relative density:	1.18
Relative vapour density (air):	Heavier than air.
Solubility in water:	insoluble (20 °C)
Miscibility with water:	(20 °C) immiscible
Solubility (quantitative) :	No data available.
Partitioning coefficient n-octanol/water (log Pow):	No data available.

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.

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11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:

Toxic by inhalation, in contact with skin and if swallowed.

Irritation

Assessment of irritating effects:

Causes burns.

Sensitization

Assessment of sensitization:

May cause sensitization by skin contact.

Repeated dose toxicity

Assessment of repeated dose toxicity:

No data available concerning repeated dose toxicity.

Genetic toxicity

Assessment of mutagenicity:

Mutagenic properties can not be excluded on the basis of experimental data.

Carcinogenicity

Assessment of carcinogenicity:

No reliable data was available concerning carcinogenic activity.

Reproductive toxicity

Assessment of reproduction toxicity:

The results of animal studies gave no indication of a fertility impairing effect.

Developmental toxicity

Assessment of teratogenicity:

No data available concerning teratogenic effects.

Other relevant toxicity information

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

12. Ecological Information

Ecotoxicity

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Assessment of aquatic toxicity:

At the present state of knowledge, no negative ecological effects are expected. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Mobility

Assessment transport between environmental compartments:

No data available.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

The organic component of the product is biodegradable. The product has not been tested. The statement has been derived from the properties of the individual components.

Bioaccumulation potential

Bioaccumulation potential:

No data available concerning bioaccumulation.

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:

Hazard class:	8
Packing group:	III
ID number:	UN 1760
Hazard label:	8
Proper shipping name:	CORROSIVE LIQUID, N.O.S. (contains PHENOL, M-PHENYLENEBIS(METHYLAMINE))

Further information

Hazchem Code:2X

IERG Number:37

Sea transport

IMDG

Hazard class: 8

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Packing group:	III
ID number:	UN 1760
Hazard label:	8
Marine pollutant:	NO
Proper shipping name:	CORROSIVE LIQUID, N.O.S. (contains PHENOL, M-PHENYLENEBIS(METHYLAMINE))

Air transport

IATA/ICAO

Hazard class:	8
Packing group:	III
ID number:	UN 1760
Hazard label:	8
Proper shipping name:	CORROSIVE LIQUID, N.O.S. (contains PHENOL, M-PHENYLENEBIS(METHYLAMINE))

15. Regulatory InformationStandard for the Uniform Scheduling of Medicines and Poisons (SUSMP) (Australia):

Poisons Schedule: Drugs & Poisons, Schedule 6

Hazard symbol(s)

C	Corrosive.
T	Toxic.

R-phrases(s)

R34	Causes burns.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R43	May cause sensitization by skin contact.
R48/20/21/22	Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.
R68	Possible risk of irreversible effects.

S-phrases(s)

S1/2	Keep locked-up and out of reach of children.
S24/25	Avoid contact with skin and eyes.
S26	Avoid contact with clothing.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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.

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Registration status:

AICS, AU released / listed

16. Other Information

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

T	Toxic.
C	Corrosive.
N	Dangerous for the environment.
23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
34	Causes burns.
48/20/21/22	Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.
68	Possible risk of irreversible effects.
24/25	Toxic in contact with skin and if swallowed.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.