

Safety data sheet

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BASF Safety data sheet
Date / Revised: 19.08.2011
Product: **CONCRETSIVE 2525 PART B**

Version: 1.0

(30362737/SDS_GEN_NZ/EN)

Date of print 20.08.2011

1. Substance/preparation and company identification

CONCRETSIVE 2525 PART B

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 6.1 Category D - Substance which are acutely toxic
Subclass 6.5 Category B - Substance which are sensitisers
Subclass 8.2 Category C - Substance corrosive to dermal tissue
Subclass 9.1 Category C - Substance that are ecotoxic to aquatic environment

3. Composition/information on ingredients

Chemical nature

Blend based on: polymeric amine, aliphatic, modified

Hazardous ingredients

3-aminomethyl-3,5,5-trimethylcyclohexylamine

Content (W/W): <= 65 %
CAS Number: 2855-13-2
EC-Number: 220-666-8
INDEX-Number: 612-067-00-9
Hazard symbol(s): C
R-phrase(s): 21/22, 34, 43, 52/53

Benzoic acid, 2-hydroxy-

Content (W/W): <= 10 %
CAS Number: 69-72-7
EC-Number: 200-712-3
Hazard symbol(s): Xn
R-phrase(s): 22, 36

Benzyl alcohol

Content (W/W): <= 30 %
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.

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, 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

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

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 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:

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).

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9. Physical and Chemical Properties

Form:	liquid
Colour:	yellowish
Odour:	ammonia-like
pH value:	11
Boiling point:	≥ 200 °C
Flash point:	> 150 °C
Flammability:	not self-igniting
Explosion hazard:	not explosive
Density:	0.98 g/cm ³ (25 °C) not applicable
Solubility in water:	emulsifiable (20 °C)
Miscibility with water:	(20 °C) partly miscible

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:

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.

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

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:

Of moderate toxicity after single ingestion.

Sensitization

Assessment of sensitization:

May produce an allergic reaction. Sensitization after skin contact possible. The product has not been tested. The statement has been derived from the properties of the individual components.

May produce an allergic reaction.

Repeated dose toxicity

Assessment of repeated dose toxicity:

No reliable data was available concerning repeated dose toxicity.

Genetic toxicity

Assessment of mutagenicity:

The substance was not mutagenic in bacteria.

Carcinogenicity

Assessment of carcinogenicity:

No data available.

Reproductive toxicity

Assessment of reproduction toxicity:

No reliable data are available concerning reproduction toxicity.

Developmental toxicity

Assessment of teratogenicity:

No reliable data was available concerning teratogenicity.

Other relevant toxicity information

A component caused skin sensitisation in humans. 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.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:

Acutely harmful for aquatic organisms.

Mobility

Assessment transport between environmental compartments:

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

Adsorption to solid soil phase is possible.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

Not readily biodegradable (by OECD criteria). The product has not been tested. The statement has been derived from the properties of the individual components.

Bioaccumulation potential

Assessment bioaccumulation potential:

Significant accumulation in organisms is not to be expected.

Additional information

Other ecotoxicological advice:

Acutely harmful for aquatic organisms. The product should not be allowed to reach either ground or open waters. Do not release untreated into natural waters. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

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 2289
Hazard label:	8
Proper shipping name:	ISOPHORONEDIAMINE MIXTURE

Further information

Hazchem Code:2X

IERG Number:36

Sea transport

IMDG

Hazard class:	8
Packing group:	III
ID number:	UN 2289
Hazard label:	8
Marine pollutant:	NO

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Proper shipping name: ISOPHORONEDIAMINE MIXTURE

Air transport

IATA/ICAO

Hazard class: 8
 Packing group: III
 ID number: UN 2289
 Hazard label: 8
 Proper shipping name: ISOPHORONEDIAMINE MIXTURE

15. Regulatory Information

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

Subclasses: Subclass 6.1 Category D - Substance which are acutely toxic
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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 HSR002542

16. Other Information

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

C Corrosive.
 Xn Harmful.
 21/22 Harmful in contact with skin and if swallowed.
 34 Causes burns.
 43 May cause sensitization by skin contact.
 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 22 Harmful if swallowed.
 36 Irritating to eyes.
 20/22 Harmful by inhalation and if swallowed.

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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.