

Safety data sheet

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BASF Safety data sheet
Date / Revised: 11.05.2012
Product: **PROTECTOSIL CIT**

Version: 1.0

(30346246/SDS_GEN_NZ/EN)

Date of print 11.05.2012

1. Substance/preparation and company identification

PROTECTOSIL CIT

Use: Product for construction chemicals

Company:

BASF Australia Limited (ABN 62 008 437 867)
Level 12, 28 Freshwater Place Southbank
Victoria 3006, AUSTRALIA

Contact address:

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 6.4 Category A - Substance which are eye irritants
Subclass 6.3 Category A - Substance which are skin irritants

3. Composition/information on ingredients

Chemical nature

Emulsion based on: polysiloxane

Hazardous ingredients

2-diethylaminoethanol

Content (W/W): < 5 %
CAS Number: 100-37-8
EC-Number: 202-845-2
INDEX-Number: 603-048-00-6
Hazard symbol(s): C
R-phrase(s): 10, 20/21/22, 34

Silicon compound (Ref.: 72243-045165, Germany)

Content (W/W): > 20 %
Hazard symbol(s): Xi
R-phrase(s): 38

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. 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.

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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:
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. Sources of ignition should be kept well clear. 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.

Protection against fire and explosion:
Keep away from heat. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

Storage

Segregate from metals. Segregate from lyes. Segregate from oxidants. Segregate from foods and animal feeds.

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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.

Storage stability:
Storage temperature: -10 - 40 °C

Protect from temperatures below: -15 °C
The packed product must be protected from temperatures below the indicated one.

8. Exposure controls and personal protection

Components with workplace control parameters

2-diethylaminoethanol, 100-37-8;
TWA value 2 ppm (ACGIHTLV)
Skin Designation (ACGIHTLV)
The substance can be absorbed through the skin.
TWA value 48 mg/m³ ; 10 ppm (OEL (NZ))
Skin Designation (OEL (NZ))
Skin absorption can be significant.

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).

9. Physical and Chemical Properties

Form:	liquid	
Colour:	colourless to yellowish	
Odour:	characteristic	
pH value:	11 (20 °C)	
Melting point:	< -65 °C	
Boiling point:	approx. 186 °C (1,013 mbar)	(DIN 51751)
Flash point:	62 °C	(DIN 51755)
Lower explosion limit:	0.39 %(V) (98 °C)	(DIN 51649-1)
Upper explosion limit:	8.47 %(V) (150 °C)	(DIN 51649-1)
Self heating ability:	It is not a substance capable of spontaneous heating.	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	0.68 hPa (25 °C)	
Density:	approx. 0.882 g/cm ³ (20 °C)	(DIN 51757)
Bulk density:	not applicable	
Solubility in water:	immiscible	
Viscosity, dynamic:	0.95 mPa.s (20 °C)	

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.

Thermal decomposition products:
carbon oxides

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:

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

Irritation

Assessment of irritating effects:

May cause severe damage to the eyes. Skin contact causes irritation.

Sensitization

Assessment of sensitization:

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

Carcinogenicity

Assessment of carcinogenicity:

The chemical structure does not suggest a specific alert for such an effect. The product has not been tested. The statement has been derived from the properties of the individual components.

Reproductive toxicity

Assessment of reproduction toxicity:

The chemical structure does not suggest such an effect. The product has not been tested. The statement has been derived from the properties of the individual components.

Developmental toxicity

Assessment of teratogenicity:

The chemical structure does not suggest such an effect. 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:

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At the present state of knowledge, no negative ecological effects are expected. There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statement has been derived from products of a similar structure or composition.

Mobility

Assessment transport between environmental compartments:
No data available.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):
Moderately/partially biodegradable. The product has not been tested. The statement has been derived from the properties of the individual components.

Bioaccumulation potential

Assessment bioaccumulation potential:
No data available concerning bioaccumulation.

Bioaccumulation potential:
No data available concerning bioaccumulation.

Additional information

Other ecotoxicological advice:
Do not allow to enter soil, waterways or waste water channels.

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:

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

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Not classified as a dangerous good under transport regulations

15. Regulatory Information

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

Subclasses: Subclass 6.4 Category A - Substance which are eye irritants
Subclass 6.3 Category A - Substance which are skin irritants

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

16. Other Information

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

C	Corrosive.
Xi	Irritant.
10	Flammable.
20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
34	Causes burns.
38	Irritating to skin.

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.