

## Safety data sheet

### According to 91/155 EEC

Printing date 18.11.2010

Version number 29

Revision: 18.11.2010


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

- **Product identifier**
- **Trade name:** RC High-Speed cement
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation** Adhesives
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Forbo Siegling Pty. Ltd  
Factory 1, 124-126 Rodeo Drive  
Dandenong South  
Victoria 3175. Australia  
Ph.: 1300137933  
Fax: 1300137944
- **Information department:**  
Chemical Laboratory  
Email: Claudius.Hayduk@forbo.com
- **Emergency telephone number:**  
(001) 352 323 3500 (Transport hazardous materials)  
++49 (0) 511-6704-214

### 2 Composition/information on ingredients



- **Chemical characterization:** Substances
- **CAS No. Description:**  
Cyanacrylsäureethylester
- **Description:** Adhesive.

- **Dangerous components:**

CAS: 7085-85-0	ethyl 2-cyanoacrylate	 Xi R36/37/38	10-25%
EINECS: 230-391-5			

- **Additional information** For the wording of the listed risk phrases refer to section 16.

### 3 Hazards identification

- **Classification of the substance or mixture**
  - **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**  
 Xi; Irritant  
R36/37/38: Irritating to eyes, respiratory system and skin.
  - **Information concerning particular hazards for human and environment:**  
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
  - **Classification system:**  
The classification was made according to the latest editions of the EU-lists, and expanded upon from company and literature data.
- 
- **Label elements**
  - **Labelling according to EU guidelines:**  
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials
  - **Code letter and hazard designation of product:**  
 Xi Irritant
  - **Risk phrases:**  
36/37/38 Irritating to eyes, respiratory system and skin.
  - **Safety phrases:**  
23 Do not breathe fumes.  
24/25 Avoid contact with skin and eyes.

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- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 29 Do not empty into drains.
- 37 Wear suitable gloves.
- 60 This material and its container must be disposed of as hazardous waste.

- **Special labelling of certain preparations:**

Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

- **Information pertaining to particular dangers for man and environment**

- **Safety phrases:**

- 23 Do not breathe fumes.
- 24/25 Avoid contact with skin and eyes.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 29 Do not empty into drains.
- 37 Wear suitable gloves.
- 60 This material and its container must be disposed of as hazardous waste.

- **Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

#### 4 First aid measures

- **Description of first aid measures**

- **After inhalation** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing** If symptoms persist consult doctor.

- **Information for doctor** MSDB

- **Indication of any immediate medical attention and special treatment needed**

In cases of irritation to the lungs, initial treatment with Dexametason metered aerosol.

#### 5 Firefighting measures

- **Extinguishing media**

- **Suitable extinguishing agents**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- **Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

In case of fire, the following can be released:

Nitrogen oxides (NO<sub>x</sub>)  
Carbon monoxide (CO)

- **Advice for firefighters**

- **Protective equipment:**

Do not inhale explosion gases or combustion gases.

Wear self-contained respiratory protective device.

#### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**



Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

- **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

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- **Reference to other sections**  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## 7 Handling and storage

- **Handling**
- **Precautions for safe handling**  
Keep receptacles tightly sealed.  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.
- **Information about protection against explosions and fires:**  
Traces of flammable substances may collect in the steam chamber of enclosed systems. Keep ignition sources clear.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Store in dry conditions.  
Keep receptacle tightly sealed.

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Do not inhale gases / fumes / aerosols.  
Avoid contact with the eyes and skin.
- **Breathing equipment:**



In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

- **Protection of hands:**  
Protective gloves and protective skin cream.  
Protective gloves.  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**  
Synthetic gloves  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing.

## 9 Physical and chemical properties

### · Information on basic physical and chemical properties

#### · General Information

#### · Appearance:

Form:	Fluid
Colour:	Transparent
Odour:	Odourless
Odour threshold:	Not determined.

· pH-value: Not determined.

#### · Change in condition

Melting point/Melting range:	Melting point > 120°C
Boiling point/Boiling range:	> 200°C

· Flash point: 87°C

· Ignition temperature: 500°C

· Decomposition temperature: Not determined.

· Self igniting: Product is not selfigniting

· Danger of explosion: Product does not present an explosion hazard.

#### · Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

· Vapour pressure: Not determined.

· Density at 20°C: 1.12 g/cm<sup>3</sup>

· Relative density: Not determined.

· Vapour density: Not determined.

· Evaporation rate: Not determined.

#### · Solubility in / Miscibility with

Water: Not miscible or difficult to mix

· Segregation coefficient (n-octanol/water): Not determined.

#### · Viscosity:

dynamic at 20°C:	3200 mPas
kinematic:	Not determined.

#### · Solvent content:

Organic solvents: 0.0 %

Solids content: 100.0 %

· Other information: No further relevant information available.

## 10 Stability and reactivity

### · Reactivity

### · Chemical stability

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

### · Possibility of hazardous reactions

Exothermic polymerization

Violent reactions with strong alkalis and oxidizing agents

Reacts with amines

Heating occurs when water is added

Reacts violently with water

· **Conditions to avoid** No further relevant information available.

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- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Irritant

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.



Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**



Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **Waste disposal key:** 080409

#### European waste catalogue

08 04 09*	waste adhesives and sealants containing organic solvents or other dangerous substances
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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

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### 14 Transport information

- Land transport ADR/RID (cross-border)
- ADR/RID class: -

- Maritime transport IMDG:
- IMDG Class: -
- Marine pollutant: No

- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: -

- Special precautions for user Not applicable.
- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

### 15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture

- Australian Inventory of Chemical Substances

7085-85-0 | ethyl 2-cyanoacrylate

- Standard for the Uniform Scheduling of Drugs and Poisons

None of the ingredients is listed.

- Markings according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials

- Code letter and hazard designation of product:



Xi Irritant

- Risk phrases:

36/37/38 Irritating to eyes, respiratory system and skin.

- Safety phrases:

- 23 Do not breathe fumes.
- 24/25 Avoid contact with skin and eyes.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 29 Do not empty into drains.
- 37 Wear suitable gloves.
- 60 This material and its container must be disposed of as hazardous waste.

- Special labelling of certain preparations:

Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

- National regulations

- Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.
- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases

R36/37/38 Irritating to eyes, respiratory system and skin.

- Department issuing MSDS: Chemical Laboratory

- Contact:

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