

# EC Safety Data Sheet (according to 91/155/EEC)



<b>Product name:</b>	<b>Accelerator for Duroseal MULTIGEL 850</b>	<b>Issue No. 0001</b>
<b>Issued on:</b>	<b>25/03/2003</b>	<b>Printing date: 31/10/2003</b>

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## 1. Substance-/Preparation and company name

**Details of the product**  
(Product name and use): Accelerator for Duroseal MULTIGEL 850;  
Additive for injection material for waterproofing of building structures

### Information about manufacturer/supplier

	<b>Germany</b>	<b>Switzerland</b>
Manufacturer/Supplier:	Tricosal GmbH	Tricosal BBZ AG
Address:	Von-Helmholtz-Str. 1 D-89257 Illertissen	Gewerbezentrum Rotfarb 9213 Hauptwil (Schweiz)
Telephone:	+ 49 (0) 73 03 180 - 0	+41 (0) 71 424 6070
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E-mail	info@tricosal.de	info@bbz-ag.ch
URL	www.tricosal.de	

## 2. Composition / Information on ingredients

**Chemical composition:** Aqueous preparation on the basis of specific amines  
**Hazardous ingredients**

CAS-No.	Name of substance	Content	Symbol	R--phrases
111-42-2	Diethanolamine	< 10%	Xn	22; 38; 41; 48/22

## 3. Possible Hazards

**Identification of hazard:** Not applicable  
**Information concerning hazards for man and environment:** Irritation is possible after contact with skin and eyes.

This classification system complies with the current EC-lists and company information.

## 4. First aid measures

**General advice:** Immediately remove contaminated and soaked clothing.  
**After inhalation:** In case of troubles after inhaling vapour/aerosol provide for fresh air; seek medical advice  
**After skin contact:** Wash skin with soap and water.  
**After eye contact:** Rinse immediately with plenty of clean water for at least 10 min.; seek medical advice.  
**After ingestion:** Immediately rinse mouth; drink plenty of water subsequently, seek medical advice.

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**5. Fire Fighting Measures**

<b>Suitable extinguishing media:</b>	Foam, Extinguishing powder, CO <sub>2</sub> (Carbon Dioxide), water spray.
<b>Non-suitable extinguishing agent (for safety reason):</b>	Water jet spray.
<b>Particular hazards caused by the substance, combustion products or developing gases:</b>	Toxic and irritant burnt gases can form in case of fire.
<b>Special Protective equipment:</b>	Wear self-contained breathing apparatus in case of fire. Follow the standard safety measures for handling chemicals in case of fire.

**6. Accidental release measures**

<b>Personal precautions:</b>	Protect eyes and hands; wear personal protective equipment; avoid inhalation of fumes.
<b>Environmental precautions:</b>	Do not allow to enter drains, sewers, water courses and soil.
<b>Measures for cleaning / collection:</b>	Soak up with inert liquid absorbent material (e.g. universal binders); dispose in accordance with local regulations.

**7. Handling and storage**

<b>Handling:</b>	
<b>Directions for safe handling:</b>	Wear personal protection equipment, provide for good ventilation, avoid contact with acids.
<b>Directions to prevent fire and explosions:</b>	Protect from sources of ignition; protect from heat.
<b>Storage:</b>	
<b>Requirements for warehouses and containers:</b>	Keep away from acids: store under cool conditions; keep containers tightly closed; keep out of reach of children.
<b>Further information for storage conditions:</b>	Not available

**8. Exposure controls and personal protection****Engineering control measures:** Ventilation (see paragraph 7)**Occupational exposure limits (Germany):**

CAS-No.	Name of substance	Type	Value	Unit
102-71-8	Triethanolamine	MAK	5	mg/m <sup>3</sup>
111-42-2	Diethanolamine	MAK	15	mg/m <sup>3</sup>

**Personal protective equipment**

<b>Breathing protection:</b>	Provide for good ventilation.
<b>Hand protection:</b>	Chemical resistant protective gloves (e.g. nitrile rubber).
<b>Eye Protection:</b>	Tight fitting safety goggles.
<b>Body protection:</b>	Normal working clothes.
<b>Hygiene at working place:</b>	Keep away from food and beverages, wash hands before breaks and at the end of working day. Do not eat, drink or smoke during working.

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## 9. Physical and chemical properties

**Physical state:** liquid                      **Colour:** yellow transparent                      **Odour:** not applicable

	<i>Value / Unit</i>
<b>Change in condition:</b>	Not determined.
<b>Density (at 20°C):</b>	Approx. 1,1 g/ml
<b>Vapour pressure (at 20°C):</b>	Not determined.
<b>Viscosity (at 20°C):</b>	Low viscous
<b>Solubility in water (at 20°C):</b>	Miscible
<b>pH-value (at 20°C):</b>	Approx. 11
<b>Flash point:</b>	Not applicable.
<b>Ignition temperature:</b>	Not applicable.
<b>Explosion hazard:</b>	Not applicable.
<b>n-octanol-water partition coefficient (log Pow):</b>	Not determined.

## 10. Stability and reactivity

**Conditions and substances to avoid:** Mixing with acids, inorganic acid chlorides and treatment with nitrous acids.

**Hazardous decomposition products:** Exothermic reaction with acid. Mixing with inorganic acid chlorides develops poisonous gases/vapours.

## 11. Toxicological information

**Primary irritant effect (skin, eyes):** Irritation is possible after contact with skin and eyes. Irritation of respiratory system is possible after formation of breathable aerosols.

**Sensitisation:** Not applicable

**Additional information:** None

## 12. Ecological information

**Degradability:** Not determined

**German WGK:** 1 (own classification)

**Further ecological information:** Do not release product into environment.

**Further ecological data:** Not available.

## 13. Disposal considerations

**Product:**

**Recommendation:** If recycling is not possible, disposal in accordance with local and official regulations.

**Uncleaned packaging**

**Recommendation:** Disposable in accordance with local and official regulations.

## 14. Transport information

<b>Land transport</b>	}	Non hazardous goods according to transport regulations
<b>Sea transport</b>		
<b>Air transport</b>		

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## 15. Regulatory information

### Identification according to EC directives

Code letter and hazard designation of the product:



Xi irritant  
Not applicable

Relevant component for hazardous goods labelling:

**R-Sätze:** 36 Irritating to eyes.

**S-Sätze:** 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

### National regulations

**German WGK**

1 (own classification)

**Swiss Federal Office of Public Health:**

BAG T-No. 617384, Poison category 4

## 16. Other information

Relevant code letter and hazard designation of the product, see section 2:

- R 22 Harmful if swallowed.
- R 38 Irritating to skin.
- R 41 Risk of serious damage to eyes.
- R 48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.

Changes in comparison with the previous version are marked at the margin with a line

*The information of this MSDS is based on the present state of our knowledge. The users working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction.*

*It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this MSDS is meant as a description of the safety requirements of our product and is not to be considered as a guarantee of product properties.*