

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



Product name:	Accelerator for DURO SOIL / DRAINSEAL		Issue No. 0003
Issued on:	11/10/2002	Printing date:	31/10/2003

Page 1 of 4

1. Substance-/Preparation and company name

Details of the product
(Product name and use): Accelerator for DURO SOIL / DRAINSEAL;
Additive for injection material for waterproofing of building structures

Information about manufacturer/supplier

	Germany	Switzerland
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

Suitable extinguishing media:	Foam, Extinguishing powder, CO ₂ (Carbon Dioxide), water spray.
Non-suitable extinguishing agent (for safety reason):	Water jet spray.
Particular hazards caused by the substance, combustion products or developing gases:	Toxic and irritant burnt gases can form in case of fire.
Special Protective equipment:	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

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

7. Handling and storage

Handling:	
Directions for safe handling:	Wear personal protection equipment, provide for good ventilation, avoid contact with acids.
Directions to prevent fire and explosions:	Protect from sources of ignition; protect from heat.
Storage:	
Requirements for warehouses and containers:	Keep away from acids: store under cool conditions; keep containers tightly closed; keep out of reach of children.
Further information for storage conditions:	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
102-71-6	Triethanolamine	MAK	5	mg/m ³
111-42-2	Diethanolamine	MAK	15	mg/m ³

Personal protective equipment

Breathing protection:	Provide for good ventilation.
Hand protection:	Chemical resistant protective gloves (e.g. nitrile rubber).
Eye Protection:	Tight fitting safety goggles.
Body protection:	Normal working clothes.
Hygiene at working place:	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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Product name:	Accelerator for DURO SOIL / DRAINSEAL		Issue No. 0003
Issued on:	11/10/2002	Printing date:	31/10/2003

Page 3 of 4

9. Physical and chemical properties

Physical state: liquid **Colour:** red violet **Odour:** not applicable

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

Land transport	}	Non hazardous goods according to transport regulations
Sea transport		
Air transport		

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Product name:	Accelerator for DURO SOIL / DRAINSEAL		Issue No. 0003
Issued on:	11/10/2002	Printing date:	31/10/2003
			Page 4 of 4

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.