

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



<b>Product name:</b>	<b>IS 810 Component B</b>			<b>Issue No. 0002</b>
<b>Issued on:</b>	<b>28/07/2003</b>	<b>Printing date:</b>	<b>24/11/2003</b>	Page 1 of 4

## 1. Substance-/Preparation and company name

**Details of the product** IS 810 Component B;  
(Product name and use): Polyurethane injection foam for 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
Telefax:	+ 49 (0) 73 03 180 - 280	+41 (0) 71 424 6077
Information Line:	+ 49 (0) 73 03 180 - 0	+41 (0) 71 424 6070
E-mail	info@tricosal.de	info@bbz-ag.ch
URL	www.tricosal.de	

## 2. Composition / Information on ingredients

**Chemical composition:** Preparation on the basis of special amine

### Hazardous ingredients:

CAS-No.	Name of substance	Content	Symbol	R--phrases
112-69-6	Hexadecyldimethylamine	> 30 %	C; N	22; 34; 50

## 3. Possible Hazards

**Identification of hazard:** C corrosive; N dangerous for the environment  
**Information concerning hazards for man and environment:** Harmful if swallowed; Causes burns; very toxic to aquatic organisms

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:** Provide for fresh air; at troubles seek medical advice.  
**After skin contact:** Wash off with plenty of water and soap.  
**After eye contact:** Rinse with plenty of water for at least 15 min.; seek medical advice immediately.  
**After ingestion:** Rinse mouth; drink plenty of water; do not cause vomiting; seek medical advice immediately.

## 5. Fire Fighting Measures

**Suitable extinguishing media:** Foam; Extinguishing powder; CO<sub>2</sub> (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 flue 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 canalization, 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.

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



<b>Product name:</b>	<b>IS 810 Component B</b>			<b>Issue No. 0002</b>
<b>Issued on:</b>	<b>28/07/2003</b>	<b>Printing date:</b>	<b>24/11/2003</b>	Page 2 of 4

## 7. Handling and storage

### Handling

<b>Directions for safe handling:</b>	Wear personal protection equipment; provide for good ventilation.
<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 containers tightly closed; protect from direct sunlight and heat; store under cool conditions, but protect from frost; keep out of reach of children.
<b>Further information for storage conditions:</b>	Not applicable

## 8. Exposure controls and personal protection

**Engineering control measures:** Provide for good ventilation  
**Occupational exposure limits (Germany):** not applicable

### 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.

## 9. Physical and chemical properties

<b>Physical state:</b> liquid	<b>Colour:</b> clear, yellow	<b>Odour:</b> not applicable
<b>Change in condition:</b>	<b>Value / Unit</b>	
<b>Density (at 20°C):</b>	Not determined	
<b>Vapour pressure (at 20°C):</b>	Approx. 0,9 g/ml	
<b>Viscosity (at 20°C):</b>	Not determined	
<b>Solubility in water (at 20°C):</b>	thin	
<b>pH-value (at 20°C):</b>	Insoluble	
<b>Flash point:</b>	Not applicable (react basically)	
<b>Explosion hazard:</b>	> 100°C	
	Not determined	

## 10. Stability and reactivity

<b>Conditions and substances to avoid:</b>	Heat, ignition sources, contact with oxidants, avoid acids and other chemicals. Exothermic reaction with acids and Isocyanates.
<b>Hazardous decomposition products:</b>	No-one as agreed at use and storage
<b>Dangerous reactions:</b>	No-one as agreed at use and storage

## 11. Toxicological information

<b>Primary irritant effect (skin, eyes):</b>	Corrosive with influence to eyes and skin.
<b>Sensitisation:</b>	Not applicable
<b>Additional information:</b>	Not applicable

## 12. Ecological information

<b>Degradability:</b>	Not determined
<b>German WGK:</b>	2 (own classification)
<b>Further ecological information:</b>	Do not release product into the environment.
<b>Further ecological data:</b>	Not available

<b>Product name:</b>	<b>IS 810 Component B</b>		<b>Issue No. 0002</b>
<b>Issued on:</b>	<b>28/07/2003</b>	<b>Printing date:</b>	<b>24/11/2003</b>
			Page 3 of 4

**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**

**ADR/RID:** Class: 8  
 Item Number: III  
 UN-Number: 2735  
 Proper technical name: Polyamines, liquid, corrosive n.o.s. (Alkylamine)



**Sea transport**

**IMDG/GGV Sea:** Class: 8  
 Item Number: III  
 UN-Number: 2735  
 Proper technical name: Polyamines, liquid, corrosive n.o.s. (Alkylamin)  
 Marine pollutant: no



**Air transport**

**ICAO/IATA:** Class: 8  
 Item Number: III  
 UN-Number: 2735  
 Proper technical name: Polyamines, liquid, corrosive, n.o.s. (Alkylamin)



**15. Regulatory information**

**Identification according to EC directives**

**Code letter and hazard designation of the product:**



C corrosive      N dangerous for the environment  
 Contains: Hexadecyldimethylamine

**Relevant component for hazardous goods labelling:**

**R-phrases:** 22 Harmful if swallowed  
 34 Causes burns  
 50 Very toxic to aquatic organisms

**S-phrases:** 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
 36/37/39 Wear suitable protective clothing, gloves and eye/face protection  
 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label if it's possible)  
 61 Avoid release to the environment. Refer to special instructions/safety data sheets

**National regulations**

**German water endangering class (WGK):** 2 (own classification)  
**Swiss Federal Office of Public Health:** BAG T-Nr. 617 363, poisonous category 3  
 Contains more than 20% Hexadecyldimethylamin

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



<b>Product name:</b>	<b>IS 810 Component B</b>			<b>Issue No. 0002</b>
<b>Issued on:</b>	<b>28/07/2003</b>	<b>Printing date:</b>	<b>24/11/2003</b>	Page 4 of 4

## 16. Other information

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

R 22            Harmful if swallowed  
R 34            Causes burns  
R 50            Very toxic to aquatic organisms

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.