

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Date of print: 10. January 2017 RASCOflex GT511 A-Comp  
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## 1. Identification of the substance/ preparation and of the company/ undertaking

**Identification of the substance or preparation:** RASCOflex GT511 A-Comp  
PU Injection Foam Resin

**Use of the substance/ preparation:**  
polyhydroxy alcohol - amine component for polyurethane foam resin

**Supplier (manufacturer/importer/downstream user/distributor):**  
**Rascor International Ltd.**, Gewerbestrasse 4, CH-8162 Steinmaur, Switzerland  
Phone: +41 (0)44 857 11 11, Fax: +41 (0)44 857 11 00  
**Rascor Tunnel- und Spezialtiefbau GmbH**, Ratsgasse 6, DE-97688 Bad Kissingen, Germany  
Phone: +49 (0)971 130 2738, Fax: +49 (0)971 133 6251

**Dept. responsible for information:**  
Labor E-mail: [safety@rascor.com](mailto:safety@rascor.com)  
Emergency telephone: +41 (0)44 857 11 11

## 2. Hazards identification

**Hazard designation:**  
**Critical hazard to man and environment:**  
n.a.

## 3. Composition/ Information on ingredients

### chemical characterization (preparation)

**description:** polyhydroxy alcohol - amine component  
for polyurethane foam resin

### Dangerous ingredients:

EC-no.:	Identification of the hazard:	Labelling (67/548/EEC or 1999/45/EC)	% by weight
CAS-No.:	R phrases: REACH-no.:	Remark:	
202-715-5	Cyclohexyldimethylamine	C	1 - 2,5
98-94-2	10-20/21/22-34		

### Additional information

Full text of R-phrases: see section 16.

## 4. First-aid measures

### General information:

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in unconscious position and seek medical advice.

### Following inhalation:

Move victim to fresh air. Put victim at rest and keep warm. In case of irregular breathing or respiratory arrest provide artificial respiration.

### After skin contact:

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

### Following eye contact:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice.

### after ingestion:

If swallowed, rinse mouth with water (only if the person is conscious). Consult physician immediately. Keep victim calm. Do not induce vomiting.

## 5. Fire-fightingmeasures

### Suitable extinguishing media:

alcohol resistant foam, Carbon dioxide, Powder, spray mist, (water)

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### Extinguishing media which must not be used for safety reasons:

High power water jet

### Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases:

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

### Special protective equipment for fire-fighters:

Provide a conveniently located respiratory protective device.

### Additional information:

Extinguishing materials should be selected according to the surrounding area. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

## 6. Accidental release measures

### Personal precautions

Keep away from sources of ignition. Ventilate affected area. Do not inhale vapours. See protective measures under point 7 and 8.

### Environmental precautions

Do not empty into drains or the aquatic environment. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

### methods for cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13). Clean using cleansing agents. Do not use solvents.

## 7. Handling and storage

### Handling

#### Information for safe handling:

Avoid contact with skin, eye and clothing. Do not inhale dusts, particulates and spray mist when using this preparation. When using do not eat, drink or smoke. Personal protection equipment: refer to chapter 8. Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

#### Precautions against fire and explosion:

Vapours are heavier than air and will spread at floor level.

### Storage

#### Requirements for storerooms and containers:

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

#### Information about storage in one common storage facility:

Keep away from food, drink and animal feedingstuffs.

#### Further information concerning storage conditions:

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 5 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

## 8. Exposure controls/ Personal protection

### Technical measures to prevent exposure

Provide good ventilation. This can be achieved with local or room suction.

### Components with workplace or biological limit values to be monitored:

EC-no.:	description:	type:	Value	unit
CAS-No.:			STEL (EC) TWA (EC)	

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### Additional information

Stated values are taken from the then applicable German TRGS 900 or the German VCI table for exposure limit values.

TWA (EC): Occupational exposure limit value

STEL (EC): Short term occupational exposure limit value

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### Occupational exposure controls:

#### **Respiratory protection:**

Respiratory protection required in case of insufficient ventilation.

#### **Hand protection:**

For prolonged or repeated handling the following glove material must be used: impermeable material . Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended protective gloves brand: DIN EN 374 Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

#### **Eye protection:**

Wear closely fitting protective glasses in case of splashes.

#### **Skin protection:**

Wear suitable protective clothing.

#### **Preventive measures:**

After contact clean skin thoroughly with water and soap oder use appropriate cleanser.

## 9. Physical and chemical properties

#### **Appearance:**

**State of matter:** liquid  
**Paint:** as labeled  
**Odour:** typical

Safety relevant basis data	unit	Method	Remark:
<b>Flash point (°C):</b>	> 101 °C	DIN 53213	
<b>Vapour pressure:(at temperature in °C): 20</b>	2,76 mbar		
<b>density:(at temperature in °C): 20</b>	0,99 g/cm <sup>3</sup>	DIN 51757	
<b>Solubility in water (g/l):</b>	insoluble		
<b>Viscosity:</b>			Observe technical data sheet.
<b>solvent content:</b>			
<b>organic solvents</b>	0 % by weight		

## 10. Stability and reactivity

#### **Conditions to avoid**

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

#### **Materials to avoid**

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

#### **Hazardous decomposition products**

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

## 11. Toxicological information

No data on preparation itself available.

#### **Practical experience**

Other observations:

#### **Summarized evaluation of the CMR properties:**

The components in this formulation do not meet the criteria for classification as CMR category 1 or 2.

There is no information available on the preparation itself . The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified according to the toxicological dangers. See chapters 2 and 15 for details.

## 12. Ecological information

#### **Type judging:**

There is no information available on the preparation itself .  
Do not empty into drains or the aquatic environment.

#### **Results of PBT assessment**

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The components in this formulation do not meet the criteria for classification as PBT or vPvB.

### 13. Disposal considerations

#### Appropriate disposal/Product:

##### Recommendation:

Do not empty into drains or the aquatic environment. This material and its container must be disposed of in a safe way. Waste disposal according to EC Directives 75/442/EEC and 91/689/EEC on waste and hazardous waste in their latest versions.

#### Control report for waste code/ waste marking according to EAKV:

070208 other still bottoms and reaction residues

#### Contaminated packaging:

##### Recommendation:

Cleaned containers may be recycled. Vessels not properly emptied are special waste.

### 14. Transport information

Transport according to ADR/RID, IMDG and ICAO/IATA.

#### Overland transport (ADR/RID)

Class:	not a dangerous good
Label:	n.a.
UN No.:	n.a.
Hazard identification number (Kemler No.):	n.a.
Official directive for the transport:	
Packing Group:	n.a.
Tunnel restriction code:	-

#### Transport by sea (IMDG)

Class:	n.a.
Label:	n.a.
EmS-No.:	n.a.
UN No.:	n.a.
Official directive for the transport:	
Packing Group:	n.a.
Marine pollutant:	n.a.

#### Air transport (ICAO-TI / IATA-DGR)

Class:	n.a.
UN No.:	n.a.
Packing Group:	n.a.

### 15. Regulatory information

#### EU-Regulations

##### Chemical Safety Assessment

Chemical safety assessments for substances in this preparation were not carried out.

##### Labelling (67/548/EEC or 1999/45/EC)

#### Danger symbol(s) and danger term(s) for dangerous materials and preparations:

##### Contains:

n.a.

##### R phrases:

n.a.

##### S phrases:

n.a.

##### Special labelling of particular preparations:

n.a.

##### Other regulations (EU):

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### Data concerning the Directive 1999/13/EC on the limitation of emissions of volatile organic compounds (VOC-RL)

VOC-value (in g/l) ISO 11890-2: 0,000

#### National regulations

#### Informations on working limitations:

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.  
Observe employment restrictions under the law for the protection of young people at work (94/33/EC).

#### Further regulations, limitations and legal requirements:

Giscode:GISCODE PU 40

## 16. Other information

#### Wording of the r-phrases under paragraph 3:

10	Flammable.
20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
34	Causes burns.

#### Further remarks:

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.