

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 20.02.2008

Revision: 28.11.2007

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

- **Product details**
- **Trade name: Alocit 2895 Grundierung Komponente A**
- **Application of the substance / the preparation**  
Epoxy resin  
Priming  
Epoxy coating
- **Manufacturer/Supplier:**  
Alocit Chemie GmbH  
Hansergartenstr. 4  
D-78464 Konstanz  
+49-(0)-7531-51704
- **Further information obtainable from:**  
Mister Bratz  
lothar.bratz@alocit.de
- **Information in case of emergency: +49-(0)-7531-51704**

## 2 Hazards identification

- **Hazard description:**



Xn Harmful  
N Dangerous for the environment

- **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.

R 36/38 Irritating to eyes and skin.

R 43 May cause sensitisation by skin contact.

R 68 Possible risk of irreversible effects.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Contains epoxy constituents. See information supplied by the manufacturer.

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- **GHS label elements**



**Warning**

3.5/2 - Suspected of causing genetic defects.



**Warning**

3.2/2 - Causes skin irritation.

3.3/2A - Causes serious eye irritation.

3.4/1 - May cause an allergic skin reaction.



4.1/2 - Toxic to aquatic life with long lasting effects.

- **Prevention:**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Contaminated work clothing should not be allowed out of the workplace.

(Contd. on page 2)

# Safety Data Sheet

## according to 1907/2006/EC, Article 31

Printing date 20.02.2008

Revision: 28.11.2007

**Trade name: Alocit 2895 Grundierung Komponente A**

(Contd. of page 1)

Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection.

Use personal protective equipment as required.

• **Response:**

IF ON SKIN: Wash with plenty of soap and water.

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

IF exposed or concerned: Get medical advice/attention.

Specific treatment (see label).

If skin irritation occurs: Get medical advice/attention.

If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Take off contaminated clothing and wash before reuse.

Wash contaminated clothing before reuse.

Collect spillage.

• **Storage:**

Store locked up.

• **Disposal:**

Dispose of contents/container in accordance with local/regional/national/international regulations.

### 3 Composition/information on ingredients

• **Chemical characterization**

• **Description:** Mixture of substances listed below with nonhazardous additions.

• **Dangerous components:**

CAS: 25068-38-6 NLP: 500-033-5	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight $\leq$ 700) ☒ Xi, ☒ N; R 36/38-43-51/53 Warning: ⚠ 3.2/2, 3.3/2A, 3.4.S/1 ☒ 4.1.C/2	50-100%
CAS: 9003-36-5	reaction product: bisphenol-F-(epichlorhydrin)epoxy resin (number average) molecular weight $\leq$ 700 ☒ Xi, ☒ N; R 36/38-43-51/53 Warning: ⚠ 3.2/2, 3.3/2A, 3.4.S/1 ☒ 4.1.C/2	5-25%
CAS: 2210-79-9 EINECS: 218-645-3	2,3-epoxypropyl o-tolyl ether Muta. Cat. 3; ☒ Xn, ☒ Xi, ☒ N; R 38-43-68-51/53 Warning: ⚠ 3.5/2; ⚠ 3.2/2, 3.4.S/1 ☒ 4.1.C/2	5-25%

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

### 4 First aid measures

• **After inhalation:**

Supply fresh air and to be sure call for a doctor.

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.

### 5 Fire-fighting measures

• **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

• **Protective equipment:** Wear self-contained respiratory protective device.

(Contd. on page 3)

# Safety Data Sheet

## according to 1907/2006/EC, Article 31

Printing date 20.02.2008

Revision: 28.11.2007

**Trade name: Alocit 2895 Grundierung Komponente A**

(Contd. of page 2)

· **Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.  
Collect contaminated fire fighting water separately. It must not enter the sewage system.

### 6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.

### 7 Handling and storage

- **Handling:**
- **Information for safe handling:**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients 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 valid during the making were used as basis.
- **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.  
Avoid contact with the eyes and skin.
- **Respiratory protection:** Not necessary if room is well-ventilated.
- **Protection of hands:**  
Use gloves of stable material (e.g. Nitrile) - if necessary tricoted to improve the wearability.



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**  
Butyl rubber, BR  
Nitrile rubber, NBR

(Contd. on page 4)

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 20.02.2008

Revision: 28.11.2007

**Trade name: Alocit 2895 Grundierung Komponente A**

(Contd. of page 3)

- **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.
- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

## 9 Physical and chemical properties

### · General Information

<b>Form:</b>	Fluid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Weak, characteristic

### · Change in condition

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** Undetermined.

· **Flash point:** > 126°C

· **Ignition temperature:** >200°C

· **Self-igniting:** Product is not selfigniting.

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

· **Density at 23°C:** 1.12 g/cm<sup>3</sup> (DIN 53217)

· **Solubility in / Miscibility with water:** Not miscible or difficult to mix.

### · Viscosity:

**Dynamic at 23°C:** 1220 mPas (DIN 53015)

### · Solvent content:

**Organic solvents:** 0 %

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Dangerous reactions**  
Exothermic polymerization.  
Reacts with alcohols, amines, aqueous acids and alkalis.
- **Dangerous decomposition products:** Irritant gases/vapours

## 11 Toxicological information

### · Acute toxicity:

### · LD/LC50 values relevant for classification:

**25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)**

Oral	LD50	> 10000 mg/kg (rat)
------	------	---------------------

(Contd. on page 5)

# Safety Data Sheet

## according to 1907/2006/EC, Article 31

Printing date 20.02.2008

Revision: 28.11.2007

**Trade name: Alocit 2895 Grundierung Komponente A**

(Contd. of page 4)

Dermal	LD50	> 2000 mg/kg (rat)
--------	------	--------------------

**9003-36-5 reaction product: bisphenol-F-(epichlorhydrin)epoxy resin (number average)  
molecular weight  $\leq$  700**

Oral	LD50	23800 mg/kg (rat)
------	------	-------------------

Dermal	LD50	> 2000 mg/kg (rabbit)
--------	------	-----------------------

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **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
- **Sensitisation** May cause sensitisation by skin contact.

## 12 Ecological information

- **Ecotoxicological effects:**

- **Acquatic toxicity:**

**25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average)  
molecular weight  $\leq$  700**

EC50/48 h	2.8 mg/l (daphnia)
-----------	--------------------

EC50/96 h	220 mg/l (Grünalge (Desmodesmus subspicatus))
-----------	---

**9003-36-5 reaction product: bisphenol-F-(epichlorhydrin)epoxy resin (number average)  
molecular weight  $\leq$  700**

EC50/96 h	1 - 10 mg/l (Grünalge (Desmodesmus subspicatus))
-----------	--

LC50/96 h	1 - 10 mg/l (Leuciscus idus)
-----------	------------------------------

**2210-79-9 2,3-epoxypropyl o-tolyl ether**

EC50/48 h	3.3 mg/l (daphnia)
-----------	--------------------

- **Remark:** Toxic for fish
- **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.  
Also poisonous for fish and plankton in water bodies.  
Toxic for aquatic organisms

## 13 Disposal considerations

- **Product:**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

GB

(Contd. on page 6)

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 20.02.2008

Revision: 28.11.2007

Trade name: Alocit 2895 Grundierung Komponente A

(Contd. of page 5)

## 14 Transport information

### · Land transport ADR/RID (cross-border)



- **ADR/RID class:** 9 Miscellaneous dangerous substances and articles.
- **Danger code (Kemler):** 90
- **UN-Number:** 3082
- **Packaging group:** III
- **Hazard label:** 9
- **Description of goods:** 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq 700$ ))

### · Maritime transport IMDG:



- **IMDG Class:** 9
- **UN Number:** 3082
- **Label:** 9
- **Packaging group:** III
- **EMS Number:** F-A,S-F
- **Marine pollutant:** Yes
- **Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq 700$ ))

### · Air transport ICAO-TI and IATA-DGR:



- **ICAO/IATA Class:** 9
- **UN/ID Number:** 3082
- **Label:** 9
- **Packaging group:** III
- **Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq 700$ ))

- **UN "Model Regulation":**  
UN3082; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.; 9; III
- **Environmental hazards:**  
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID; Marine pollutant

## 15 Regulatory information

- **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:**  
Xn Harmful  
N Dangerous for the environment

(Contd. on page 7)

# Safety Data Sheet

## according to 1907/2006/EC, Article 31

Printing date 20.02.2008

Revision: 28.11.2007

**Trade name: Alocit 2895 Grundierung Komponente A**

(Contd. of page 6)

· **Hazard-determining components of labelling:**

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq$  700)

2,3-epoxypropyl o-tolyl ether

reaction product: bisphenol-F-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq$  700)

· **Risk phrases:**

36/38 Irritating to eyes and skin.

43 May cause sensitisation by skin contact.

68 Possible risk of irreversible effects.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Safety phrases:**

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

28 After contact with skin, wash immediately with plenty of soap and water.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

61 Avoid release to the environment. Refer to special instructions/safety data sheets.

· **Special labelling of certain preparations:**

Contains epoxy constituents. See information supplied by the manufacturer.

## 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 R-phrases**

36/38 Irritating to eyes and skin.

38 Irritating to skin.

43 May cause sensitisation by skin contact.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

68 Possible risk of irreversible effects.

· **Department issuing MSDS:** department product safety

· **Contact:** Mr. Bratz

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement internationale concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 20.02.2008

Revision: 28.11.2007

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

- **Product details**
- **Trade name: Alocit 2895 Grundierung Komponente B**
- **Application of the substance / the preparation**  
Epoxy coating  
Hardening agent/ Curing agent  
Priming
- **Manufacturer/Supplier:**  
Alocit Chemie GmbH  
Hansergartenstr. 4  
D-78464 Konstanz  
+49-(0)-7531-51704
- **Further information obtainable from:**  
Mister Bratz  
lothar.bratz@alocit.de
- **Information in case of emergency:** +49-(0)-7531-51704

## 2 Hazards identification

- **Hazard description:**



C Corrosive

- **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.

R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R 34 Causes burns.

R 43 May cause sensitisation by skin contact.

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- **GHS label elements**

**Danger**

3.2/1B - Causes severe skin burns and eye damage.

**Warning**

3.1/4 - Harmful if swallowed.

3.1/4 - Harmful in contact with skin.

3.1/4 - Harmful if inhaled.

3.4/1 - May cause an allergic skin reaction.

4.1/3 - Harmful to aquatic life with long lasting effects.

- **Prevention:**

Do not breathe dust/fume/gas/mist/vapours/spray.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing should not be allowed out of the workplace.

Avoid release to the environment.

(Contd. on page 2)



# Safety Data Sheet

## according to 1907/2006/EC, Article 31

Printing date 20.02.2008

Revision: 28.11.2007

**Trade name: Alocit 2895 Grundierung Komponente B**

(Contd. of page 1)

Wear protective gloves/protective clothing/eye protection/face protection.

- **Response:**

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN: Wash with plenty of soap and water.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

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

Immediately call a POISON CENTER or doctor/physician.

Call a POISON CENTER or doctor/physician if you feel unwell.

Specific treatment (see label).

Specific measures (see label).

Rinse mouth.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

- **Storage:**

Store locked up.

- **Disposal:**

Dispose of contents/container in accordance with local/regional/national/international regulations.

### 3 Composition/information on ingredients

- **Chemical characterization**

- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 100-51-6 EINECS: 202-859-9	Benzyl alcohol ☒ Xn, ☒ Xi; R 20/22-43 Danger: ☒ 3.1.O/3, 3.1.I/4, 3.4.S/1	20-40%
CAS: 2855-13-2 EINECS: 220-666-8	3-aminomethyl-3,5,5-trimethylcyclohexylamine ☒ C, ☒ Xn; R 21/22-34-43-52/53 Danger: ☒ 3.1.O/3, 3.1.D/3, 3.4.S/1; ☒ 3.2/1B 4.1.C/3	20-40%
CAS: 25620-58-0 EINECS: 247-134-8	trimethylhexane-1,6-diamine ☒ C, ☒ Xn; R 22-34-43 Danger: ☒ 3.1.O/3, 3.4.S/1; ☒ 3.2/1B	3-25%
CAS: 69-72-7 EINECS: 200-712-3	Salicylic acid ☒ Xn, ☒ Xi; R 22-37/38-41 Danger: ☒ 3.1.O/3, 3.2/2, 3.8/3; ☒ 3.3/1	1-5%

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

### 4 First aid measures

- **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **After inhalation:**

Supply fresh air and to be sure call for a doctor.

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. Then consult a doctor.

- **After swallowing:**

Call for a doctor immediately.

(Contd. on page 3)

# Safety Data Sheet

## according to 1907/2006/EC, Article 31

Printing date 20.02.2008

Revision: 28.11.2007

**Trade name: Alocit 2895 Grundierung Komponente B**

(Contd. of page 2)

Drink plenty of water and provide fresh air. Call for a doctor immediately.

### 5 Fire-fighting measures

- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **Protective equipment:** Mouth respiratory protective device.

### 6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use neutralizing agent.  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.

### 7 Handling and storage

- **Handling:**
- **Information for safe handling:**  
Store in cool, dry place in tightly closed receptacles.  
Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients 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 valid during the making were used as basis.
- **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.  
Avoid contact with the eyes and skin.
- **Respiratory protection:** Not necessary if room is well-ventilated.
- **Protection of hands:**  
Use gloves of stable material (e.g. Nitrile) - if necessary tricoted to improve the wearability.



Protective gloves

(Contd. on page 4)

# Safety Data Sheet

## according to 1907/2006/EC, Article 31

Printing date 20.02.2008

Revision: 28.11.2007

**Trade name: Alocit 2895 Grundierung Komponente B**

(Contd. of page 3)

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** Butyl rubber, BR

· **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.

· **Eye protection:**



Tightly sealed goggles

· **Body protection:** Protective work clothing

## 9 Physical and chemical properties

### · General Information

<b>Form:</b>	Fluid
<b>Colour:</b>	Yellowish
<b>Odour:</b>	Amine-like

### · Change in condition

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** Undetermined.

· **Flash point:** > 100°C (DIN 51755-2)

· **Ignition temperature:** 435°C

· **Self-igniting:** Product is not selfigniting.

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

· **Density at 23°C:** 1.02 g/cm<sup>3</sup> (DIN 53217)

· **Solubility in / Miscibility with water:** Not miscible or difficult to mix.

### · Viscosity:

**Dynamic at 23°C:** 1350 mPas (DIN 53015)

## 10 Stability and reactivity

### · **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **Dangerous reactions** Reacts with acids, alkalis and oxidizing agents.

· **Dangerous decomposition products:** Irritant gases/vapours

## 11 Toxicological information

### · **Acute toxicity:**

#### · **LD/LC50 values relevant for classification:**

#### **100-51-6 Benzyl alcohol**

Oral	LD50	1230 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)

(Contd. on page 5)

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 20.02.2008

Revision: 28.11.2007

**Trade name: Alocit 2895 Grundierung Komponente B**

(Contd. of page 4)

**25620-58-0 trimethylhexane-1,6-diamine**

Oral	LD50	900 mg/kg (rat)
------	------	-----------------

- **Primary irritant effect:**
- **on the skin:** Caustic effect on skin and mucous membranes.
- **on the eye:** Strong caustic effect.
- **Sensitization:** Sensitization possible through skin contact.
- **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:  
Harmful  
Corrosive  
Irritant  
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.
- **Sensitisation** May cause sensitisation by skin contact.

## 12 Ecological information

- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **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.  
Must not reach sewage water or drainage ditch undiluted or unneutralized.  
Danger to drinking water if even small quantities leak into the ground.  
Harmful to aquatic organisms

## 13 Disposal considerations

- **Product:**
  - **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
  - **European waste catalogue**
- |          |  |
|----------|--|
| 08 04 09 | waste adhesives and sealants containing organic solvents or other dangerous substances |
|----------|--|
- **Uncleaned packaging:**
  - **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 8 Corrosive substances.
- **Danger code (Kemler):** 80
- **UN-Number:** 2735
- **Packaging group:** III
- **Hazard label:** 8

(Contd. on page 6)

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 20.02.2008

Revision: 28.11.2007

**Trade name: Alocit 2895 Grundierung Komponente B**

(Contd. of page 5)

· **Description of goods:** 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (ISOPHORONEDIAMINE)

· **Maritime transport IMDG:**



- **IMDG Class:** 8
- **UN Number:** 2735
- **Label** 8
- **Packaging group:** III
- **EMS Number:** F-A,S-B
- **Marine pollutant:** No
- **Proper shipping name:** AMINES, LIQUID, CORROSIVE, N.O.S. (ISOPHORONEDIAMINE)

· **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 8
- **UN/ID Number:** 2735
- **Label** 8
- **Packaging group:** III
- **Proper shipping name:** AMINES, LIQUID, CORROSIVE, N.O.S. (ISOPHORONEDIAMINE)

· **UN "Model Regulation":** UN2735; AMINES, LIQUID, CORROSIVE, N.O.S.; 8; III

## 15 Regulatory information

· **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:**

C Corrosive

· **Hazard-determining components of labelling:**

Benzyl alcohol  
3-aminomethyl-3,5,5-trimethylcyclohexylamine  
trimethylhexane-1,6-diamine

· **Risk phrases:**

20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

34 Causes burns.

43 May cause sensitisation by skin contact.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Safety phrases:**

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

28 After contact with skin, wash immediately with plenty of soap and water.

29 Do not empty into drains.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

GB

(Contd. on page 7)

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 20.02.2008

Revision: 28.11.2007

**Trade name: Alocit 2895 Grundierung Komponente B**

(Contd. of page 6)

## 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 R-phrases**

20/22 Harmful by inhalation and if swallowed.

21/22 Harmful in contact with skin and if swallowed.

22 Harmful if swallowed.

34 Causes burns.

37/38 Irritating to respiratory system and skin.

41 Risk of serious damage to eyes.

43 May cause sensitisation by skin contact.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Department issuing MSDS:** department product safety

· **Contact:** Mr. Bratz

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement internationale concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent