



**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- 1.1 Product identifier
- Trade name: **ASODUR-EV 200 (A-Komp.)(INDUGROUT-EP 200 (A-Komp.))**
- 1.2 Relevant identified uses of the substance or mixture and uses advised against  
No further relevant information available.
- **Application of the substance / the mixture** Bonded Epoxy resin bottom casting mortar
- 1.3 Details of the supplier of the safety data sheet
- **Manufacturer/Supplier:**  
SCHOMBURG GmbH & Co. KG  
Aquafinstr. 2-8  
D-32760 Detmold  
Germany  
-----  
Tel: ++49 (0)5231/953-00  
Fax: ++49 (0)5231/953-123  
email: info@schomburg.de  
web: www.schomburg.de
- **Informing department:**  
Product Safety Department  
  
Tel: ++49 (0)5231/953-193  
Fax: ++49 (0)5231/953-106  
email: guido.herfort@schomburg.de

**SECTION 2: Hazards identification**

- 2.1 Classification of the substance or mixture
- **Classification according to Regulation (EC) No 1272/2008**
-  GHS09 environment  
Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.
-  GHS07
- Skin Irrit. 2            H315 Causes skin irritation.
- Eye Irrit. 2            H319 Causes serious eye irritation.
- Skin Sens. 1            H317 May cause an allergic skin reaction.

- 2.2 Label elements
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms** GHS07, GHS09
- **Signal word** Warning
- **Hazard-determining components of labelling:**  
reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq 700$ )  
1,6-bis(2,3-ethoxypropoxy)hexane  
Bisphenol-F-diglycidylether
- **Hazard statements**  
H315 Causes skin irritation.

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# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.10.2019

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H319 Causes serious eye irritation.  
 H317 May cause an allergic skin reaction.  
 H411 Toxic to aquatic life with long lasting effects.

· **Precautionary statements**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves / eye protection / face protection.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**

· **Description:**

Solvent- free preparation based on Bisphenol-A-Epichlorhydrin resin molecular weight  $\leq 700$ .

· **Dangerous components:**

CAS: 25068-38-6 NLP: 500-033-5	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight $\leq 700$ ) ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	50-100%
CAS: 16096-31-4	1,6-bis(2,3-ethoxypropoxy)hexane ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; Aquatic Chronic 3, H412	10-25%
CAS: 9003-36-5	Bisphenol-F-diglycidylether ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	2.5-10%
CAS: 100-51-6 EINECS: 202-859-9	Benzyl alcohol ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; Eye Irrit. 2, H319	2.5-10%

· **Additional information** Contains epoxide-compounds. Note the index of the manufacturer.

## SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **General information**

Personal protection for the First Aider.  
 It is possible to choke in case of vomiting in unconsciousness.  
 Bring unconscious persons into a stable position on side.  
 Keep the respiratory tract free (remove dentures and vomiting).  
 Check the pulse. In case of heart failure you have to make a cardiac massage. In case of stoppage of breathing: artificial respiration.  
 Take up a doctor immediately!

· **After inhalation** Supply fresh air; consult doctor in case of symptoms.

· **After skin contact**

Change immediately contaminated clothes.

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Instantly wash with water and soap and rinse thoroughly.

Don't use solvents to clean the skin.

· **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.

· **After swallowing**

Do not induce vomiting; instantly call for medical help.

Show the pack or the label to the doctor.

· **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

· **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

## SECTION 5: Firefighting measures

· **5.1 Extinguishing media**

· **Suitable extinguishing agents** CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet.

· **5.2 Special hazards arising from the substance or mixture**

Formation of poisonous gases during heating or in fires.

· **5.3 Advice for firefighters**

· **Protective equipment:** Wear self-contained breathing apparatus.

· **Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

## SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

Avoid eye- and skin contact.

Wear protective equipment. Keep unprotected persons away.

Do not breath in vapour.

Keep away from ignition sources

· **6.2 Environmental precautions:** Do not allow product to reach sewage system or water bodies.

· **6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding, inflammable material (sand, diatomite, acid binders, universal binder).

· **6.4 Reference to other sections**

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

## SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**

Keep containers tightly sealed.

Work with fresh air supply, keep doors and windows open.

Keep away from children.

Keep away from heat and direct sunlight.

Avoid splashes. Do not spray on hot surfaces.

· **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage**

· **Requirements to be met by storerooms and containers:**

Store in cool location.

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- Do not leave open containers.
- **Information about storage in one common storage facility:**  
Please follow the rules of the VCI-Storage-Concept for chemicals.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed containers.  
Protect from frost.
- **7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:**  
It must be possible to wash the skin in the working area.  
Eye-wash bottle must be available.
- **8.1 Control parameters**
- **Components with critical 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 that were valid during the compilation were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**  
Clean skin only with cleaning agent especially for epoxy resin.  
Don't use solvent for skin cleaning!  
Clean clothes which are contaminate with epoxi resin before unusing again.  
The usual precautionary measures should be adhered to in handling the chemicals.  
Instantly remove any soiled and impregnated garments.  
Wash hands during breaks and at the end of the work.  
Avoid contact with the eyes and skin.
- **Breathing equipment:** Not required.
- **Protection of hands:** Hand Protection: Nitril-rubber-latex-gloves.
- **Material of gloves**  
Nitril-rubber-latex-gloves II R: Thickness  $\geq 0,5\text{mm}$ ; Break through time  $\geq 480$  min  
  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**  
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing.

## SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

<b>Form:</b>	Liquid
<b>Colour:</b>	Colourless
<b>Smell:</b>	Weak, characteristic

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· <b>Change in condition</b>	
<b>Melting point/freezing point:</b>	Not determined
<b>Initial boiling point and boiling range:</b>	Not determined
· <b>Flash point:</b>	Not applicable
· <b>Self-inflammability:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product is not explosive.
· <b>Density at 20 °C</b>	1.14 g/cm <sup>3</sup>
· <b>Solubility in / Miscibility with Water:</b>	Unsoluble
· <b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** Reacts violently with oxidizing agents
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Can react with acid and oxidizing agents.
- **10.6 Hazardous decomposition products:**  
În case of heating dangerous decomposition products can be arise.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
  - **Acute toxicity** Based on available data, the classification criteria are not met.
  - **LD/LC50 values that are relevant for classification:**
- 
- 25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)**
- |        |      |                    |
|--------|------|--------------------|
| Oral   | LD50 | >5000 mg/kg (rats) |
| Dermal | LD50 | >2000 mg/kg (rats) |
- 16096-31-4 1,6-bis(2,3-ethoxypropoxy)hexane**
- |            |          |                     |
|------------|----------|---------------------|
| Oral       | LD50     | 1400 mg/kg (rabbit) |
|            |          | 2900 mg/kg (rats)   |
| Inhalative | LC50/4 h | >100 mg/l (Maus)    |
- 9003-36-5 Bisphenol-F-diglycidylether**
- |        |      |                     |
|--------|------|---------------------|
| Oral   | LD50 | >10000 mg/kg (rats) |
| Dermal | LD50 | >2000 mg/kg (rats)  |
- 100-51-6 Benzyl alcohol**
- |            |      |                   |
|------------|------|-------------------|
| Oral       | LD50 | 1570 mg/kg (rats) |
| Inhalative | LC50 | 11 mg/l           |

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**64742-95-6 Solvent naphtha (petroleum), light arom.**

Oral LD50 &gt;2000 mg/kg (rats)

Dermal LD50 &gt;2000 mg/kg (rabbit)

Inhalative LC50/4 h &gt;5 mg/l (rats)

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **Respiratory or skin sensitisation**  
May cause an allergic skin reaction.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

\* **SECTION 12: Ecological information**

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

LC50 (96h) 2 mg/l (rainbow trout)

EC50 (48h) 1.7 mg/l (Daphnia sp.)

EC50 (48h) 1.7 mg/l (Daphnia magna)

NOEC 0.3 mg/l (Daphnia magna)

**9003-36-5 Bisphenol-F-diglycidylether**

LC50/96h 2.54 mg/l (Leuciscus idus)

EC50 2.55 mg/l (Daphnia magna)

ERC50 1.8 mg/l (algae toxicity)

**64742-95-6 Solvent naphtha (petroleum), light arom.**

LC/EC/IC 50 1-10 mg/l (algae toxicity)

1-10 mg/l (Daphnia (acute) toxicity)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.

· **Additional ecological information:**· **General notes:**

Water hazard class 2 (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system.

Danger to drinking water if even small quantities leak into soil.

· **12.5 Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.

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· **12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**· **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **European waste catalogue**

17 00 00 CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)

17 02 00 wood, glass and plastic

17 02 03 plastic

· **Uncleaned packagings:**· **Recommendation:**

Empty Containers with solid product rests can be supplied for recycling.

Empty Containers including fluid product rests are hazardous waste.

Disposal must be made according to official regulations.

## SECTION 14: Transport information

· **14.1 UN-Number**· **ADR, IMDG, IATA**

UN3082

· **14.2 UN proper shipping name**· **ADR**

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bisphenol A-(epichlorhydrin); epoxy resin(number average molecular weight<700), bisphenol-F-epoxy resin)

· **IMDG**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bisphenol A-(epichlorhydrin); epoxy resin(number average molecular weight<700), bisphenol-F-epoxy resin), MARINE POLLUTANT

· **IATA**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bisphenol A-(epichlorhydrin); epoxy resin(number average molecular weight<700), bisphenol-F-epoxy resin)

· **14.3 Transport hazard class(es)**· **ADR, IMDG, IATA**· **Class**

9 Miscellaneous dangerous substances and articles.

· **Label**

9

· **14.4 Packing group**· **ADR, IMDG, IATA**

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· <b>14.5 Environmental hazards:</b>	Product contains environmentally hazardous substances: bisphenol A-(epichlorhydrin); epoxy resin(number average molecular weight<700)
· <b>Marine pollutant:</b>	Yes
· <b>Special marking (ADR):</b>	Symbol (fish and tree)
· <b>Special marking (IATA):</b>	Symbol (fish and tree)
· <b>14.6 Special precautions for user</b>	Warning: Miscellaneous dangerous substances and articles.
· <b>Kemler Number:</b>	90
· <b>EMS Number:</b>	F-A,S-F
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Transport category</b>	3
· <b>Tunnel restriction code</b>	E
· <b>UN "Model Regulation":</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bisphenol A-(epichlorhydrin); epoxy resin(number average molecular weight<700), bisphenol-F-epoxy resin), 9, III

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **National regulations**
- **Technical instructions (air):**
- **Class Share in %**
- **NK 0.5**
- **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H411 Toxic to aquatic life with long lasting effects.

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H412 Harmful to aquatic life with long lasting effects.

- **Department issuing data specification sheet:** Environment protection department.

- **Contact:** Mr. Guido Herfort

- **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)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

- **\* Data compared to the previous version altered.**

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