

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

- 1.1 Product identifier
- Trade name: **INDUFLOOR-IB 1275 (B-Komp.)**
- Article number: 550063B
- 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 Hardening agent/ Curing agent
- 1.3 Details of the supplier of the safety data sheet
- **Manufacturer/Supplier:**
SCHOMBURG GmbH
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



GHS05 corrosion

Skin Corr. 1B H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.
Skin Sens. 1 H317 May cause an allergic skin reaction.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- Classification according to Directive 67/548/EEC or Directive 1999/45/EC



C; Corrosive

R34: Causes burns.



Xn; Harmful

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.



Xi; Sensitising

R43: May cause sensitisation by skin contact.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

(Contd. on page 2)

GB

Trade name: INDUFLOOR-IB 1275 (B-Komp.)

(Contd. of page 1)

- **Information concerning particular hazards for human and environment:**

The product may not leak out in sewerage system, stretch of water or soil.
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.

- **Classification system:**

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

- **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** GHS05, GHS07

- **Signal word** Danger

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

Benzyl alcohol
3-aminomethyl-3,5,5-trimethylcyclohexylamine
triethylenetetramine
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5- trimethylcyclohexylamine

- **Hazard statements**

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

- **Precautionary statements**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
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.

- **Additional information:**

Contains epoxy constituents. May produce an allergic reaction.

- **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:** modified polyamine product

- **Dangerous components:**

CAS: 100-51-6	Benzyl alcohol	25-50%
EINECS: 202-859-9	☒ Xn R20/22 ☠ Acute Tox. 4, H302; Acute Tox. 4, H332; Eye Irrit. 2, H319	

(Contd. on page 3)

Trade name: INDUFLOOR-IB 1275 (B-Komp.)

(Contd. of page 2)

CAS: 2855-13-2 EINECS: 220-666-8	3-aminomethyl-3,5,5-trimethylcyclohexylamine C R34; Xn R21/22; Xi R43 R52/53 Skin Corr. 1B, H314; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317; Aquatic Chronic 3, H412	10-25%
CAS: 112-24-3 EINECS: 203-950-6	triethylenetetramine C R34; Xn R21; Xi R43 R52/53 Skin Corr. 1B, H314; Acute Tox. 4, H312; Skin Sens. 1, H317; Aquatic Chronic 3, H412	10-25%
CAS: 38294-69-8	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with triethylenetetramine Xi R36/38 Skin Irrit. 2, H315; Eye Irrit. 2, H319	2.5-10%
CAS: 38294-64-3	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine C R34; Xi R41; Xi R43 R52/53 Skin Corr. 1B, H314; Eye Dam. 1, H318; Skin Sens. 1, H317; Aquatic Chronic 3, H412	2.5-10%

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

SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **General information**

Instantly 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.

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 or oxygen; call for doctor.

In case of unconsciousness bring patient into stable side position for transport.

· **After skin contact**

Instantly wash with water and soap and rinse thoroughly.

Change immediately contaminated clothes.

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

· **After swallowing**

Drink copious amounts of water and provide fresh air. Instantly call for doctor.

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.

GB

(Contd. on page 4)

Trade name: INDUFLOOR-IB 1275 (B-Komp.)

(Contd. of page 3)

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
CO₂, 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.
Follow the emergency-plan.
Burst- and explosion-danger by increasing pressure.
In case of fire chill the container with water spray.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Bring persons out of danger.
Wear protective equipment. Keep unprotected persons away.
- **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:**
Ensure adequate ventilation.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **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**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Keep away from children.
- **Information about protection against explosions and fires:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **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 a locked cabinet and out of the reach of children.
- **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.

(Contd. on page 5)

Trade name: INDUFLOOR-IB 1275 (B-Komp.)

(Contd. of page 4)

- **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**
The usual precautionary measures should be adhered to in handling the chemicals.
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 using again.
Instantly remove any soiled and impregnated garments.
Avoid contact with the eyes and skin.
Be sure to clean skin thoroughly after work and before breaks.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Protection of hands:** Hand Protection: Nitril-rubber-latex-gloves.
- **Material of gloves**
Butyl rubber II R: Thickness $\geq 0,5\text{mm}$; Break through time ≥ 480 min
- **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:**

Form:	Fluid
Colour:	According to product specification
Smell:	Characteristic
- **Change in condition**

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined
- **Flash point:** Not applicable
- **Self-inflammability:** Product is not selfigniting.
- **Danger of explosion:** Product is not explosive.
- **Density at 20 °C** 1.02 g/cm³
- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix
- **Viscosity:**

dynamic at 20 °C:	110 mPas
--------------------------	----------
- **9.2 Other information** No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** Reacts with strong acids and oxidizing agents
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.

(Contd. on page 6)

Trade name: INDUFLOOR-IB 1275 (B-Komp.)

(Contd. of page 5)

- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:** _____

100-51-6 Benzyl alcohol

Oral LD50 1040 mg/kg (mou)

1230 mg/kg (rats)

1040 mg/kg (rbt)

Dermal LD50 2000 mg/kg (rbt)

2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine

Oral LD50 1030 mg/kg (rats)

Dermal LD50 1840 mg/kg (rabbit)

- **Primary irritant effect:**

- **on the skin:**

Caustic effect on skin and mucous membranes.

Irritant for skin and mucous membranes.

- **on the eye:** Strong caustic effect.

- **Sensitisation:** Sensitization possible by skin contact.

- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EC 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.

Sensitizing

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:** _____

100-51-6 Benzyl alcohol

LC/EC50 (96h) 645 mg/l (orfe)

10 mg/l (Lepomis macrochius)

2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine

EC/10/18h 1120 mg/l (Pseudomas putida)

EC50 >50 mg/l (algae toxicity)

EC50 (48h) 23 mg/l (Daphnia magna)

LC50/96h 110 mg/l (Brachydanio rerio)

- **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.

- **Ecotoxicological effects:** _____

100-51-6 Benzyl alcohol

EC 50 400 mg/l (Daphnia (acute) toxicity)

112-24-3 triethylenetetramine

LC50 Akut 12 mg/l (water flea)

(Contd. on page 7)

Trade name: INDUFLOOR-IB 1275 (B-Komp.)


(Contd. of page 6)

- **Remark:** Harmful to fish
- **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.
Must not reach sewage water or drainage ditch undiluted or unneutralised.
Harmful to aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **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.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | | |
|--|---|------------------------------|
| <ul style="list-style-type: none"> · 14.1 UN-Number · ADR, IMDG, IATA | UN2735 | |
| <ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR · IMDG, IATA | 2735 AMINES, LIQUID, CORROSIVE, N.O.S.
(TRIETHYLENETETRAMINE,
ISOPHORONEDIAMINE)
AMINES, LIQUID, CORROSIVE, N.O.S.
(TRIETHYLENETETRAMINE,
ISOPHORONEDIAMINE) | |
| <ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR, IMDG, IATA | <div style="text-align: center;">  </div> <ul style="list-style-type: none"> · Class · Label | 8 Corrosive substances.
8 |
| <ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA | III | |
| <ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: | No | |
| <ul style="list-style-type: none"> · 14.6 Special precautions for user · Kemler Number: · EMS Number: · Segregation groups | Warning: Corrosive substances.
80
F-A,S-B
Alkalis | |
| <ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. | |

(Contd. on page 8)

Trade name: INDUFLOOR-IB 1275 (B-Komp.)

(Contd. of page 7)

· Transport/Additional information:

· ADR

- | | |
|---------------------------|----|
| · Limited quantities (LQ) | 5L |
| · Transport category | 3 |
| · Tunnel restriction code | E |

- | | |
|--------------------------|---|
| · UN "Model Regulation": | UN2735, AMINES, LIQUID, CORROSIVE, N.O.S.
(TRIETHYLENETETRAMINE,
ISOPHORONEDIAMINE), 8, III |
|--------------------------|---|

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Water hazard class:**
Water hazard class 2 (Self-assessment): hazardous for water.
The classification based on german instructions.
- **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.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H412 Harmful to aquatic life with long lasting effects.
- R20/22 Harmful by inhalation and if swallowed.
- R21 Harmful in contact with skin.
- R21/22 Harmful in contact with skin and if swallowed.
- R34 Causes burns.
- R36/38 Irritating to eyes and skin.
- R41 Risk of serious damage to eyes.
- R43 May cause sensitisation by skin contact.
- R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- **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

(Contd. on page 9)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 16.03.2015

Version number 9

Revision: 16.03.2015

Trade name: INDUFLOOR-IB 1275 (B-Komp.)

(Contd. of page 8)

Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

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

GB