

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 04.01.2017

Version number 12

Revision: 04.01.2017


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

- **1.1 Product identifier**
- **Trade name:** ASODUR-SG2 (B-Komp.)(INDUFLOOR-IB 1240 (B-Komp.))
- **Article number:** 205655B
- **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** Epoxy coating
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
SCHOMBURG GmbH & Co. KG
Aquafinstr. 2-8
D-32760 Detmold
Germany


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SECTION 2: Hazards identification


- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
- 

GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
- 

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.

- **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, GHS08
- **Signal word** Danger
- **Hazard-determining components of labelling:**
3-aminomethyl-3,5,5-trimethylcyclohexylamine

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Trade name: ASODUR-SG2 (B-Komp.)(INDUFLOOR-IB 1240 (B-Komp.))

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Naphtha (petroleum), hydrotreated heavy
2,4,6-tris(dimethylaminomethyl)phenol
Bis(Dimethylaminomethyl)Phenol

• Hazard statements

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H304 May be fatal if swallowed and enters airways.
H412 Harmful to aquatic life with long lasting effects.

• Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P303+P361+P353 IF ON SKIN (or hair): 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.

• 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 cycloaliphatic Polyamine

• Dangerous components:

CAS: 2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	50-100%
EINECS: 220-666-8	⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317; Aquatic Chronic 3, H412	
CAS: 64742-48-9	Naphtha (petroleum), hydrotreated heavy	25-50%
EINECS: 265-150-3	⚠ Asp. Tox. 1, H304	
CAS: 90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	2.5-10%
EINECS: 202-013-9	⚠ Skin Corr. 1B, H314; ⚠ Skin Sens. 1, H317; Aquatic Chronic 3, H412	
CAS: 71074-89-0	Bis(Dimethylaminomethyl)Phenol	< 2.5%
	⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319	

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.
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.

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- **After skin contact**
Don't use solvents to clean the skin.
Instantly wash with water and soap and rinse thoroughly.
Change immediately contaminated clothes.
After cauterisation, rinse the skin for 15 minutes under cold running water.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing**
Show the pack or the label to the doctor.
Drink copious amounts of water and provide fresh air. Instantly call for doctor.
Do not give household remedies (milk, alcohol etc.)
- **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**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full 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**
Wear protective equipment. Keep unprotected persons away.
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 material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
- **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 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:** Store away from foodstuffs.
- **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.

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Trade name: ASODUR-SG2 (B-Komp.)(INDUFLOOR-IB 1240 (B-Komp.))

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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.

No further data; see item 7 MSDS.

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

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

Butyl rubber II R: Thickness $\geq 0,5\text{mm}$; Break through time $\geq 480\text{ min}$

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:	Light yellow
Smell:	Amine-like

pH-value at 20 °C: 14

Change in condition

Melting point/freezing point: Not determined

Initial boiling point and boiling range: Not determined

Flash point: 77 °C

Self-inflammability: Product is not selfigniting.

Explosive properties: Product is not explosive. However, formation of explosive air/steam mixtures is possible.

Density at 20 °C 0.878 g/cm³

Solubility in / Miscibility with

Water: Not miscible or difficult to mix

Viscosity:

dynamic at 20 °C: 24 mPas

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9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.3 Possibility of hazardous reactions**
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised
Develops corrosive gases / fumes
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Corrosive gases/vapours

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**
Harmful if swallowed.
- **LD/LC50 values that are relevant for classification:**
2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine
Oral LD50 1030 mg/kg (rats)
Dermal LD50 1100 mg/kg (rats)
64742-48-9 Naphtha (petroleum), hydrotreated heavy
Oral LD50 >2000 mg/kg (rats)
Dermal LD50 >2000 mg/kg (rabbit)
Inhalative LC 50 >5 mg/l (rats)
- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes severe skin burns and eye damage.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **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**
May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **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 1 (Self-assessment): slightly 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.

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- 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.
- **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**
07 00 00 WASTES FROM ORGANIC CHEMICAL PROCESSES
07 02 00 wastes from the MFSU of plastics, synthetic rubber and man-made fibres
07 02 04* other organic solvents, washing liquids and mother liquors
07 00 00 WASTES FROM ORGANIC CHEMICAL PROCESSES
07 02 00 wastes from the MFSU of plastics, synthetic rubber and man-made fibres
07 02 99 wastes not otherwise specified
- **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.
(ISOPHORONEDIAMINE)
AMINES, LIQUID, CORROSIVE, N.O.S.
(ISOPHORONEDIAMINE), MARINE POLLUTANT
AMINES, LIQUID, CORROSIVE, N.O.S.
(ISOPHORONEDIAMINE) |
| <ul style="list-style-type: none"> • 14.3 Transport hazard class(es) • ADR, IATA | |
|  | |
| <ul style="list-style-type: none"> • Class • Label | 8 Corrosive substances.
8 |
| <ul style="list-style-type: none"> • IMDG | |
|   | |
| <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 | |

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<ul style="list-style-type: none"> • 14.5 Environmental hazards: • Marine pollutant: 		Yes Symbol (fish and tree)
<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 Marpol and the IBC Code 		Not applicable.
<ul style="list-style-type: none"> • Transport/Additional information: 		
<ul style="list-style-type: none"> • ADR • Limited quantities (LQ) • Transport category • Tunnel restriction code 		5L 3 E
<ul style="list-style-type: none"> • UN "Model Regulation": 		UN2735, AMINES, LIQUID, CORROSIVE, N.O.S. (ISOPHORONEDIAMINE), 8, 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**
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly 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.
 H304 May be fatal if swallowed and enters airways.
 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.
 H319 Causes serious eye irritation.
 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

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Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
· *** Data compared to the previous version altered.**

GB