

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

Printing date 21.07.2015

Version number 8

Revision: 21.07.2015


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


- **1.1 Product identifier**
- **Trade name: ASODUR-SG3-Superfast (B-Comp.)**
- **Article number:** 203543B
- **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


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Fax: ++49 (0)5231/953-123
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Product Safety Department

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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		
<table style="border: none; width: 100%;"> <tr> <td style="width: 150px;">Repr. 2</td> <td>H361f Suspected of damaging fertility.</td> </tr> </table>	Repr. 2	H361f Suspected of damaging fertility.
Repr. 2	H361f Suspected of damaging fertility.	
- 

GHS05 corrosion				
<table style="border: none; width: 100%;"> <tr> <td style="width: 150px;">Skin Corr. 1B</td> <td>H314 Causes severe skin burns and eye damage.</td> </tr> <tr> <td>Eye Dam. 1</td> <td>H318 Causes serious eye damage.</td> </tr> </table>	Skin Corr. 1B	H314 Causes severe skin burns and eye damage.	Eye Dam. 1	H318 Causes serious eye damage.
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GHS07						
<table style="border: none; width: 100%;"> <tr> <td style="width: 150px;">Acute Tox. 4</td> <td>H302 Harmful if swallowed.</td> </tr> <tr> <td>Skin Sens. 1</td> <td>H317 May cause an allergic skin reaction.</td> </tr> <tr> <td colspan="2" style="border-top: 1px dashed black; padding-top: 5px;"> Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects. </td> </tr> </table>	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.	
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:**
m-phenylenebis(methylamine)

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4-tert-butylphenol
trimethylhexane-1,6-diamine
2,4,6-tris(dimethylaminomethyl)phenol

- **Hazard statements**

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H361f Suspected of damaging fertility.
H412 Harmful to aquatic life with long lasting effects.

- **Precautionary statements**

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.
P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
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 polyamidoamine

- **Dangerous components:**

CAS: 98-54-4	4-tert-butylphenol	25-50%
EINECS: 202-679-0	⚠ Repr. 2, H361f; ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315	
CAS: 1477-55-0	m-phenylenebis(methylamine)	25-50%
EINECS: 216-032-5	⚠ Skin Corr. 1B, H314; ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; ⚠ Acute Tox. 4, H332; ⚠ Skin Sens. 1, H317; ⚠ Aquatic Chronic 3, H412	
CAS: 25620-58-0	trimethylhexane-1,6-diamine	2.5-10%
EINECS: 247-134-8	⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302; ⚠ Skin Sens. 1, H317; ⚠ Aquatic Chronic 3, H412	
CAS: 10563-29-8	N'-(3-aminopropyl)-N,N-dimethylpropane-1,3-diamine	< 2.5%
EINECS: 234-148-4	⚠ Acute Tox. 4, H312	
CAS: 90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	< 2.5%
EINECS: 202-013-9	⚠ Acute Tox. 4, H302; ⚠ Skin Irrit. 2, H315; ⚠ Eye Irrit. 2, H319	

- **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

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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.

Do not give household remedies (milk, alcohol etc.)

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**

CO₂, extinguishing powder or water jet. Fight larger fires with water jet.

• **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**

Cool endangered containers with water spray jet.

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:**

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.

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- **Information about storage in one common storage facility:**
Store away from foodstuffs.
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.
- **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.
Avoid contact with the eyes and skin.
Be sure to clean skin thoroughly after work and before breaks.
- **Breathing equipment:**
In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
- **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:	Liquid
Colour:	Yellowish
Smell:	Amine-like
- **Change in condition**

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined
- **Flash point:** > 100 °C
- **Self-inflammability:** Product is not selfigniting.
- **Danger of explosion:** Product is not explosive.

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· Steam pressure:	Not determined.
· Density at 20 °C	1 g/cm ³
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix
· Viscosity:	
dynamic at 20 °C:	360 mPas
kinematic:	Not determined.
· 9.2 Other information	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** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**
Harmful if swallowed.
- **LD/LC50 values that are relevant for classification:**

- 98-54-4 4-tert-butylphenol**
- Oral LD50 2951 mg/kg (rats)
- Dermal LD50 2288 mg/kg (rbt)
- **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.
- **Additional toxicological information:** Sensitizing
- **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**
Suspected of damaging fertility.
- **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:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.

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- **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.
- **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.
(TRIMETHYLHEXAMETHYLENEDIAMINES, m-phenylenebis(methylamine))
AMINES, LIQUID, CORROSIVE, N.O.S.
(TRIMETHYLHEXAMETHYLENEDIAMINES, m-phenylenebis(methylamine)) | |
| <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 Marpol and the IBC Code | Not applicable. | |

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· 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. (TRIMETHYLHEXAMETHYLENEDIAMINES, m-phenylenebis(methylamine)), ENVIRONMENTALLY HAZARDOUS, 8, III
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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.
H361f Suspected of damaging fertility.
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, 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
Repr. 2: Reproductive toxicity, Hazard Category 2

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Trade name: **ASODUR-SG3-Superfast (B-Comp.)**

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

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

GB