

## Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 16.05.2024

Version number 1

Revision: 16.05.2024


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

- **1.1 Product identifier**
- **Trade name:** A501
- **Article number:** 6654XX
- **UFI:** Y1E5-P0J7-T00Y-CDGR
- **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** Hydrophobing agent/ water repellent
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Chemische Fabrik Dr. Stöcker GmbH & Co. KG  
Gewerbstrasse 19-25  
D-55546 Pfaffen-Schwabenheim  
+49 (0)6701 911780
- **Further information obtainable from:**  
Safety Department  
sicherheit@dr-stoecker.de
- **1.4 Emergency telephone number:**  
INTERNATIONAL: +49 (0) 6132 / 84463 (GBK Gefahrgut Büro GmbH, Ingelheim)

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
  - **Classification according to Regulation (EC) No 1272/2008**  
Skin Irrit. 2 H315 Causes skin irritation.  
Eye Dam. 1 H318 Causes serious eye damage.

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  - **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
- **Signal word** *Danger*
  - **Hazard-determining components of labelling:**  
1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters with fatty acids, C18 unsatd., Me sulfates (salts)  
Siloxanes and Silicones, 3-[(2-aminoethyl)amino]propyl Me, di-Me, methoxy-terminated
  - **Hazard statements**  
H315 Causes skin irritation.  
H318 Causes serious eye damage.
  - **Precautionary statements**
- |                |  |
|----------------|--|
| P280           | Wear protective gloves / eye protection / face protection.   |
| P302+P352      | IF ON SKIN: Wash with plenty of water.   |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310           | Immediately call a POISON CENTER/doctor.   |
| P332+P313      | If skin irritation occurs: Get medical advice/attention.   |

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- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

### SECTION 3: Composition/information on ingredients

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

#### · Dangerous components:

CAS: 112-34-5 EINECS: 203-961-6 Reg.nr.: 01-2119475104-44	2-(2-butoxyethoxy)ethanol Eye Irrit. 2, H319	10-25%
EC number: 939-685-4 Reg.nr.: 01-2119983493-26	1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters with fatty acids, C18 unsatd., Me sulfates (salts) Eye Dam. 1, H318; Skin Irrit. 2, H315; Aquatic Chronic 3, H412	≥10-<25%
CAS: 14858-73-2 EINECS: 238-925-9 Reg.nr.: 01-2119980070-45	Bis (2-ethylhexyl) carbonate Consisting of: 104-76-7 2-Ethyl-1-hexanol (<1,5%) Skin Irrit. 2, H315	≥2,5-<10%
CAS: 9004-78-8 NLP: 500-013-6	Phenol, ethoxylated Acute Tox. 4, H302	2,5-10%
EC number: 935-147-8	Siloxanes and Silicones, 3-[(2-aminoethyl)amino]propyl Me, di-Me, methoxy-terminated Consisting of: 556-67-2 octamethylcyclotetrasiloxane (<0,1%); 541-02-6 Decamethylcyclopentasiloxane (<0,1%); 540-97-6 Dodecamethylcyclohexasiloxane (<0,1%) Alternative CAS number: 102782-92-3 Skin Corr. 1A, H314; Eye Dam. 1, H318; Aquatic Chronic 3, H412	≥2,5-<3%

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

### SECTION 4: First aid measures

- 4.1 Description of first aid measures
- After inhalation: In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: If skin irritation continues, consult a doctor.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: Seek immediate medical advice.
- 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: Use fire extinguishing methods suitable to surrounding conditions.
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment: No special measures required.

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**· 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.

**· 6.2 Environmental precautions: Dilute with plenty of water.****· 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 disposal information.

**SECTION 7: Handling and storage****· 7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

**· Information about fire - and explosion protection: No special measures required.****· 7.2 Conditions for safe storage, including any incompatibilities****· Storage:****Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.**· Information about storage in one common storage facility: Not required.****· Further information about storage conditions:**

Protect from frost.

Protect from heat and direct sunlight.

**· Storage class: 10****· 7.3 Specific end use(s) No further relevant information available.****SECTION 8: Exposure controls/personal protection****· 8.1 Control parameters****· Ingredients with limit values that require monitoring at the workplace:****112-34-5 2-(2-butoxyethoxy)ethanol**

AGW (Germany)	Long-term value: 67 mg/m <sup>3</sup> , 10 ppm 1,5(I);EU, DFG, Y, 11
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**· DNELs****112-34-5 2-(2-butoxyethoxy)ethanol**

Oral	Long term - systemic effects, general population	5 mg/kg bw/day (general population)
Dermal	Long-term - systemic effects, worker	83 mg/kg bw/day (worker)
Inhalative	Long term - systemic effects, general population	50 mg/kg bw/day (general population)
	Acute - local effects, worker	101,2 mg/m <sup>3</sup> (worker)
	Long-term - systemic effects, worker	67,5 mg/m <sup>3</sup> (worker)
	Long-term - local effects, worker	67,5 mg/m <sup>3</sup> (worker)
	Acute - local effects, general population	60,7 mg/m <sup>3</sup> (general population)

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	Long term - systemic effects, general population	40,5 mg/m <sup>3</sup> (general population)
	Long term - local effects, general population	40,5 mg/m <sup>3</sup> (general population)
<b>1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters with fatty acids, C18 unsatd., Me sulfates (salts)</b>		
Oral	Long term - systemic effects, general population	1,25 mg/kg bw/day (general population)
Dermal	Long-term - systemic effects, worker	112,5 mg/kg bw/day (worker)
	Long term - systemic effects, general population	56,25 mg/kg bw/day (general population)
Inhalative	Long-term - systemic effects, worker	8,72 mg/m <sup>3</sup> (worker)
	Long term - systemic effects, general population	2,17 mg/m <sup>3</sup> (general population)
<b>14858-73-2 Bis (2-ethylhexyl) carbonate</b>		
Oral	Long term - systemic effects, general population	6,88 mg/kg bw/day (general population)
Dermal	Long-term - systemic effects, worker	45.833 mg/kg bw/day (worker)
	Long term - systemic effects, general population	27.500 mg/kg bw/day (general population)
Inhalative	Long-term - systemic effects, worker	80 mg/m <sup>3</sup> (worker)
	Long term - systemic effects, general population	23,87 mg/m <sup>3</sup> (general population)

· **PNECs****112-34-5 2-(2-butoxyethoxy)ethanol**

Aquatic compartment - freshwater	1,1 mg/l (freshwater)
Aquatic compartment - marine water	0,11 mg/l (marine water)
Aquatic compartment - water, intermittent releases	11 mg/l (intermittent release water)
Aquatic compartment - sediment in freshwater	4,4 mg/kg sed dw (freshwater)
Aquatic compartment - sediment in marine water	0,44 mg/kg sed dw (sediment marine water)
Terrestrial compartment - soil	0,32 mg/kg dw (soil)

**1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters with fatty acids, C18 unsatd., Me sulfates (salts)**

Aquatic compartment - freshwater	0,017 mg/l (freshwater)
Aquatic compartment - marine water	0,002 mg/l (marine water)
Aquatic compartment - sediment in freshwater	1,7 mg/kg sed dw (sediment fresh water)
Aquatic compartment - sediment in marine water	0,17 mg/kg sed dw (sediment marine water)
Terrestrial compartment - soil	0,331 mg/kg dw (soil)
sewage treatment plant	10 mg/l (sewage treatment plant)

· **Additional information:** The lists valid during the making were used as basis.· **8.2 Exposure controls**· **Appropriate engineering controls** No further data; see section 7.· **Individual protection measures, such as 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 skin.

Avoid contact with the eyes and skin.

Do not eat, drink, smoke or sniff while working.

· **Respiratory protection:** Not required.· **Hand protection** Protective gloves

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- **Material of gloves**  
Butyl rubber  
Recommended material thickness:  $\geq 0.3\text{mm}$   
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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **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/face protection** Tightly sealed goggles

### SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Physical state** Fluid
- **Colour:** Orange
- **Odour:** Characteristic
- **Odour threshold:** No further relevant information available.
- **Melting point/freezing point:** No further relevant information available.
- **Boiling point or initial boiling point and boiling range** No further relevant information available.
- **Flammability** Not applicable.
- **Lower and upper explosion limit**
- **Lower:** 0,7 Vol % (112-34-5 2-(2-butoxyethoxy)ethanol)
- **Upper:** 5,9 Vol % (112-34-5 2-(2-butoxyethoxy)ethanol)
- **Flash point:**  $>100\text{ }^{\circ}\text{C}$
- **Auto-ignition temperature:** No further relevant information available.
- **Decomposition temperature:** No further relevant information available.
- **pH at 20 °C** 3,5-4,5 (DIN 19268)
- **Viscosity:**
- **Kinematic viscosity** Not determined.
- **Dynamic:** Not determined.
- **Solubility**
- **water:** Fully miscible.
- **Partition coefficient n-octanol/water (log value)** Does not apply to mixtures.
- **Vapour pressure at 20 °C:** 23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)
- **Density and/or relative density**
- **Density at 20 °C:** 0,99-1 g/cm<sup>3</sup> (DIN 51757)
- **Relative density** No further relevant information available.
- **Vapour density** No further relevant information available.
- **9.2 Other information**
- **Appearance:**
- **Form:** Fluid
- **Ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product does not present an explosion hazard.
- **Molecular formula**
- **Oxidising properties** No further relevant information available.
- **Evaporation rate** No further relevant information available.

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· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

### 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 and stored 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 hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

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

**112-34-5 2-(2-butoxyethoxy)ethanol**

Oral	LD50	2.410-5.530 mg/kg (mouse) 5.660 mg/kg (rat)
Dermal	LD50	2.764 mg/kg (rat) >2.000 mg/kg (rabbit) (OECD 402)

**1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters with fatty acids, C18 unsatd., Me sulfates (salts)**

Oral	LD50	>2.000 mg/kg (rat) (OECD 402)
	NOAEL	>500 mg/kg (rat)
Dermal	LD50	>2.000 mg/kg (rat)

**14858-73-2 Bis (2-ethylhexyl) carbonate**

Oral	LD50	>2.000 mg/kg (rat) (OECD 423)
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Dermal	ATE	>2.000 mg/kg ( )
	NOAEL	275-1.000 mg/kg (rat) (analogy)
	ATE	>2.000 mg/kg ( )
	LD50	>2.000 mg/kg (rat) (OECD 402)
<b>9004-78-8 Phenol, ethoxylated</b>		
Oral	LD50	500-2.000 mg/kg (rat) (OECD 423)
Dermal	LD50	2.140 mg/kg (rabbit)
<b>Siloxanes and Silicones, 3-[(2-aminoethyl)amino]propyl Me, di-Me, methoxy-terminated</b>		
Oral	LD50	>2.000 mg/kg (rat) (Analogie)

- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **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.
- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

1222-05-5	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	List II
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## SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

<b>112-34-5 2-(2-butoxyethoxy)ethanol</b>	
NOEC 96 h	>100 mg/l (Desmodemus subspicatus) (OECD 201)
NOEC 48 h	>100 mg/l ( ) (OECD 202)
EC10/30 min	>1.995 mg/l (bel) (DEV - L2 OECD 209)
LC50/96 h (static)	1.300 mg/l (Lepomis macrochirus) (OECD 203)
EC50	4.950 mg/l (Daphnia magna) 48 h
EC50/24 h	2.850 mg/l (Daphnia magna)
EC50/48 h (static)	>100 mg/l (Daphnia magna) (OECD 202)
EC50/96 h	>100 mg/l (Desmodemus subspicatus) (OECD 201)
EC50/72 h (static)	>100 mg/l (Desmodemus subspicatus) (OECD 201)
<b>1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters with fatty acids, C18 unsatd., Me sulfates (salts)</b>	
NOEC 21 d	1 mg/l (Daphnia magna) (analogy)
NOEC 72 h	0,39 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
NOEC 35 d	0,686 mg/l (Pimephlas promelas) (analogy)
LC50/96 h	>10 mg/l (Cyprinus carpio)
EC50	100 mg/l (bel) 6 d

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EC50/48 h	>8,6 mg/l ( <i>Daphnia magna</i> )
EC50/72 h	1,2 mg/l ( <i>Pseudokirchneriella subcapitata</i> ) (OECD 201)
<b>14858-73-2 Bis (2-ethylhexyl) carbonate</b>	
NOEC 28 d	>100 mg/l (bel) (OECD 301F)
NOEC 72 h	>0,0214 mg/l ( <i>Desmodesmus subspicatus</i> )
LC50/96 h	>0,0234 mg/l ( <i>Danio rerio</i> )
EC50/48 h	>0,0197 mg/l ( <i>Daphnia magna</i> )
EC50/72 h	>0,0214 mg/l ( <i>Desmodesmus subspicatus</i> )
<b>9004-78-8 Phenol, ethoxylated</b>	
LC50/96 h	>100 mg/l (bra) (OECD 203)
EC50/48 h	>128 mg/l ( <i>Daphnia magna</i> ) (OECD 202)
<b>Siloxanes and Silicones, 3-[(2-aminoethyl)amino]propyl Me, di-Me, methoxy-terminated</b>	
LC50/96 h	>0,022 mg/l ( <i>Oncorhynchus mykiss</i> )
EC50/48 h	0,015 mg/l ( <i>Daphnia magna</i> )
EC50/96 h	>0,022 mg/l ( <i>Pseudokirchneriella subcapitata</i> )
<b>12.2 Persistence and degradability</b>	
<b>1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters with fatty acids, C18 unsatd., Me sulfates (salts)</b>	
OECD 301 F	>60 % ( )
	28 d
<b>14858-73-2 Bis (2-ethylhexyl) carbonate</b>	
OECD 301 F	>67 % ( )
<b>9004-78-8 Phenol, ethoxylated</b>	
OECD 301 F	79 % ( )

- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

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### SECTION 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.*

*This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.*

· **Relevant phrases**

*H302 Harmful if swallowed.*

*H314 Causes severe skin burns and eye damage.*

*H315 Causes skin irritation.*

*H318 Causes serious eye damage.*

*H319 Causes serious eye irritation.*

*H412 Harmful to aquatic life with long lasting effects.*

· **Classification according to Regulation (EC) No 1272/2008**

*The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.*

· **Department issuing SDS:** Department R&D

· **Contact:** Department R&D

· **Abbreviations and acronyms:**

*ADR: Accord relatif au transport international 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)*

*DNEL: Derived No-Effect Level (REACH)*

*PNEC: Predicted No-Effect Concentration (REACH)*

*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 Corr. 1A: Skin corrosion/irritation – Category 1A*

*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*

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

· **Sources**

*(EC) No 1907/2006 (REACH) as amended.*

*(EC) No. 1272/2008 (CLP) in the valid version*

*Guidance on the compilation of safety data sheets as amended (ECHA)*

*Guidance on labelling and packaging according to Regulation (EC) No 1272/2008 (CLP) as amended (ECHA)*

*Safety data sheets of the ingredients*

*ECHA homepage - Information on chemicals*