

**SECTION 1: Identification of the substance/mixture and of the company/  
undertaking**· **1.1 Product identifier**· **Trade name REVELL AQUA COLOR***in different colors, matt, semi-gloss, glossy*· **Article number:**

Dreisol:

matt:

R4600-0102; R4600-1115; R4600-1116; R4600-1135; R4600-1188; R4600-2125;  
R4600-3136; R4600-3137; R4600-5149; R4600-5156; R4600-6139; R4600-6140;  
R4600-6142; R4600-6145; R4600-6146; R4600-6148; R4600-6155; R4600-6159;  
R4600-6165; R4600-6168; R4600-7109; R4600-7143; R4600-7147; R4600-7157;  
R4600-7166; R4600-7167; R4600-7169; R4600-7174; R4600-7175; R4600-7176;  
R4600-7177; R4600-7178; R4600-7179; R4600-8117; R4600-8182; R4600-8183;  
R4600-8184; R4600-8185; R4600-8186; R4600-8187; R4600-8189; R4600-9105;  
R4600-9106; R4600-9108; R4600-9190; R4600-9191; R4600-9192; R4600-9193;  
R4600-9194; R4600-9195; R4600-9199

semi-gloss:

R4620-1310; R4620-1312; R4620-1314; R4620-3330; R4620-3331; R4620-3332;  
R4620-5350; R4620-6360; R4620-6361; R4620-6362; R4620-6363; R4620-6364;  
R4620-6365; R4620-7371; R4620-7374; R4620-7378; R4620-8381; R4620-8382;  
R4620-9301; R4620-9302

glossy:

R4680-0101; R4680-0730; R4680-0731; R4680-0752; R4680-1112; R4680-2130;  
R4680-3131; R4680-3134; R4680-5150; R4680-5151; R4680-5152; R4680-5154;  
R4680-6161; R4680-6162; R4680-8180; R4680-9104; R4680-9107

Revell:

matt:

36102; 36115; 36116; 36135; 36188; 36125; 36136; 36137; 36149; 36156; 36139;  
36140; 36142; 36145; 36146; 36148; 36155; 36159; 36165; 36168; 36109; 36143;  
36147; 36157; 36166; 36167; 36169; 36174; 36175; 36176; 36177; 36178; 36179;  
36117; 36182; 36183; 36184; 36185; 36186; 36187; 36189; 36105; 36106; 36108;  
36190; 36191; 36192; 36193; 36194; 39195; 36199

semi-gloss:

36310; 36312; 36314; 36330; 36331; 36332; 36350; 36360; 36361; 36362; 36363;  
36364; 36365; 36371; 36374; 36378; 36381; 36382; 36301; 36302

glossy:

36101; 36730; 36731; 36752; 36112; 36130; 36131; 36134; 36150; 36151; 36152;  
36154; 36161; 36162; 36180; 36104; 36107

· **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 toy lacquer**· **1.3 Details of the supplier of the safety data sheet**· **Manufacturer/Supplier:**

Dreisol Coatings GmbH &amp; Co.KG.

Industriestraße 4

D-32361 Pr. Oldendorf-Bad Holzhausen

Tel.: +49(0)5742-9300-0(Zentrale)

Fax : +49(0)5742-9300-49

E-Mail: [mail@dreisol.de](mailto:mail@dreisol.de)<http://www.dreisol.de>

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**EG-Material Safety Data Sheet**  
according to 1907/2006/EC, Article 31

Printing date 18.05.2018

version: 3

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Revell GmbH  
Henschelstr. 20-30  
D-32257 Bünde

Tel.: +49(0)5223-965-0  
<http://www.revell.de>

**· Informing department:**

department product safety  
e-mail adress of competent person:

Tel.: +49(0)5742/9300-41  
[sdb@dreisol.de](mailto:sdb@dreisol.de)

**· 1.4 Emergency telephone number:** Poison Information Centre (GIZ-Nord): Tel.: +49(0)551-19240

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
*The product is not classified according to the CLP regulation.*

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008 Void**
- **Hazard pictograms Void**
- **Signal word Void**
- **Hazard statements Void**
- **Labelling of packages where the contents do not exceed 125 ml**
- **Hazard pictograms Void**
- **Signal word Void**
- **Hazard statements Void**

**SECTION 3: Composition/information on ingredients**

- **3.2 Chemical characterisation: Mixtures**

**· Dangerous components:**

CAS: 111-76-2 EINECS: 203-905-0	2-butoxyethanol ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	1-2%
CAS: 57-55-6 EINECS: 200-338-0	Methyl glycol substance with a Community workplace exposure limit	1-2%

**· Additional information**

Contains no other ingredients ( $\geq 0,1\%$ ) that are classified as hazardous to health or the environment according to the current knowledge of the supplier and must be mentioned in this section.  
The wording of the listed risk phrases refer to section 16.

**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
- **After inhalation**  
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
- **After skin contact**  
Instantly wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- **After eye contact**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

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- **After swallowing**  
Rinse out mouth, do again spit out the liquid and then drink plenty of water.  
In case of persistent symptoms consult doctor.

## **SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fire with alcohol-resistant foam.
- **5.2 Special hazards arising from the substance or mixture**  
Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazards.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information**  
Cool closed containers exposed to fire with water.  
Do not allow run-off from fire fighting to enter drains or water courses.

## **SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Remove all sources of ignition. Provide adequate ventilation. Refer to protective measurer, listed in sections 7 and 8.
- **6.2 Environmental precautions:**  
Do not allow product to enter into sewerage systems 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).  
Dilute with much water.
- **6.4 Reference to other sections**  
No dangerous materials are released.  
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 working place.
- **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 warehouses and containers:** Store only in the original container.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Protect from heat and direct sunlight.  
Protect from frost.
- **Storage class 10**
- **7.3 Specific end use(s)** No further relevant information available.

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**SECTION 8: Exposure controls/personal protection**

· **8.1 Control parameters**

· **Components with critical values that require monitoring at the workplace:**

**111-76-2 2-butoxyethanol**

WEL (Great Britain)	Short-term value: 246 mg/m <sup>3</sup> , 50 ppm Long-term value: 123 mg/m <sup>3</sup> , 25 ppm Sk, BMGV
IOELV (European Union)	Short-term value: 246 mg/m <sup>3</sup> , 50 ppm Long-term value: 98 mg/m <sup>3</sup> , 20 ppm Skin
STEL (European Union)	Short-term value: 246 mg/m <sup>3</sup> , 50 ppm Indikativ
TWA (European Union)	Long-term value: 98 mg/m <sup>3</sup> , 20 ppm Indikativ

**57-55-6 Methyl glycol**

WEL (Great Britain)	Long-term value: 474* 10** mg/m <sup>3</sup> , 150* ppm *total vapour and particulates **particulates
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· **Ingredients with biological limit values:**

**111-76-2 2-butoxyethanol**

BMGV (Great Britain)	240 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: butoxyacetic acid
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· **8.2 Exposure controls**

· **Personal protective equipment**

· **General protective and hygienic measures**

Instantly remove any spoiled and impregnated garments.

After skin contact clean with water and soap or use appropriate detergents . Do not use organic solvent.

· **Breathing equipment:**

Filter A/P2.

Use breathing protection in case of insufficient ventilation.

· **Protection of hands:**

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Barrier creams may help to protect the exposed areas of the skin.

· **Material of gloves**

Nitrile rubber or fluorine rubber (0.4 mm). Breakthrough time> 480min with full contact. Notice., The information provided by the glove manufacturer to permeability and breakthrough times and the specific workplace conditions When cracking or change in color, shape or elasticity, the gloves should be changed immediately.

· **Eye protection:** Tightly sealed safety glasses.

· **Body protection:** Protective work clothing.

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### SECTION 9: Physical and chemical properties

· <b>9.1 Information on basic physical and chemical properties</b>	
· <b>General Information</b>	
· <b>Appearance:</b>	
Form:	Fluid
Colour:	According to product specification
· Smell:	Characteristic
· Odour threshold:	Not determined.
· pH-value at 20 °C:	7
· <b>Change in condition</b>	
Melting point/freezing point:	not necessary
Initial boiling point and boiling range:	not necessary
· Flash point:	>65 °C (DIN/ISO 3679)
· Inflammability (solid, gaseous)	Not applicable.
· Ignition temperature:	not determinate
· Decomposition temperature:	Not determined.
· Self-inflammability:	Product is not self-igniting.
· Explosive properties:	Product is not explosive.
· <b>Critical values for explosion:</b>	
Lower:	Not determined.
· Steam pressure:	not determinate
· Density at 20 °C	1,10-1,35 g/cm <sup>3</sup> (DIN/ISO 2811)
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
Water:	Fully miscible
· Viscosity:	
dynamic at 20 °C:	3.800 mPas (.)
kinematic:	Not determined.
· Solvent content:	
Organic solvents:	4,5 %
Water:	46-50 %
Solids content:	48-53 %
· 9.2 Other information	The values of specific gravity and viscosity are an orienting information.

### 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.

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- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**  
such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc.

## SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**  
There are no data available on the preparation itself.  
The mixture is classified under Regulation No 1272/2008 = CLP (EU-GHS) Regulation and the toxicological hazards. See Section 3 and 15 for details.
- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Other observations:** The liquid splashed in the eyes may cause irritation and reversible damage.
- **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:** No further relevant information available.
- **12.2 Persistence and degradability** The solvents are readily biodegradable
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Other information:** There are no data available on the preparation itself.
- **Additional ecological information:**
- **General notes:** Not known to be hazardous to water.
- **12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
The respective EU-directives, as well as local, regional and national instructions, should be paid attention to.  
Smaller quantities can be disposed with household garbage.
- **European waste catalogue**  
The waste key numbers are not only product separating essentially application-oriented. The waste key number valid for the application can be taken from the European waste catalogue.

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- **Uncleaned packagings:**
- **Recommendation:**  
Non contaminated packagings can be treated like household garbage.  
Disposal must be made according to official regulations.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

**SECTION 14: Transport information**

- **14.1 UN-Number**  
· **ADR, ADN, IMDG, IATA** Void
- **14.2 UN proper shipping name**  
· **ADR, ADN, IMDG, IATA** Void
- **14.3 Transport hazard class(es)**  
· **ADR, ADN, IMDG, IATA**  
· **Class** Void
- **14.4 Packing group**  
· **ADR, IMDG, IATA** Void
- **14.5 Environmental hazards:**  
· **Marine pollutant:** No
- **14.6 Special precautions for user** Not applicable.
- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.
- **Transport/Additional information:**  
· **ADR**  
· **Transport in accordance with ADR/RID, IMDG and ICAO/IATA.**
- **UN "Model Regulation":** Void

**SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **National regulations**
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **VOC value EC %:** 4.51 %
- **Switzerland VOC value:** 4.29 %
- **VOC (EU)** 145.8 g/l
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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**SECTION 16: Other information**

The information of this SDS is based on the present state of our knowledge and on current EU and national laws. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this SDS is meant as a description of the safety requirements of our product : it is not to be considered as a guarantee of the products' properties.

**· Relevant phrases**

Danger notes of the contents substances listed under item 3.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

**· Classification according to Regulation (EC) No 1272/2008 calculation method****· Department issuing data specification sheet: department product safety****· 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)

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

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

Paragraphs, which were changed compared to the former version, are marked with "\*" on the left margin.