

# Safety Data Sheet

## according to Ordinance (EC) No. 1907/2006

Printing date: 24.09.14

Revision: 05.04.2012

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### 1. Identification of the substance/preparation and of the company/undertaking

**Trade name:** **Brilliance-Clean**

**Supplier:** **Gerd Eisenblätter GmbH**

*Jeschkenstraße 10  
82538 Geretsried  
Telefon: + 49 (0) 8171/9384-0*

**Emergencies:** +49 (0) 8171 / 9384 - 0

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### 2. Composition / Information on ingredients

Chemical characteristics:  
Ingredient list (acc. to 648/2204/EC)

Dangerous ingredients:

Name	EINECS	Weight	Labelling
Isopropyl alcohol	200-661-7	5 - <= 15	F, Xi, R 11, 36, 67
Ethylene glycol monobutyl ether	203-905-0	1 - <= 5	Xn, R 20/21/22, 36/38
Ammonia, solution aqueuse	215-647-6	< 1	C, N, R 34, 50

The text of the R-phrases is shown in section 16.

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### 3. Hazards identification

Preparation is classified as non-hazardous in the sense of directive 1999/45/EC

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### 4. First aid measures

General instructions : change saturated clothing  
In case of skin contact : wash off with water and soap, cream  
After contact with eyes : rinse eyes thoroughly with water, consult physician  
After ingestion : rinse out mouth with water and give plenty of water to drink  
Summon physician.

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### 5. Fire-fighting measures

Suitable extinguishing media : all extinguishing media possible  
Extinguishing media that must not be used :  
Liberating gases : In the event of fire the following can be released: carbon oxides, sulphur oxides  
Special protective equipment : Wear a self-contained breathing apparatus.

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### 6. Accidental release (Spill containment measures)

Environmental precautions : do not discharge into drains undiluted.  
Cleaning / Take-up-processes : take up residues with absorbent material, rinse with large quantities of water. Remove sources of ignition.

### 7. Handling and storage

Handling:  
Instructions for safe handling : keep containers tightly closed. Store in original packaging.  
Storage:  
Requirements for storage rooms: store container at cool place  
Storage class (VCI) : 10

### 8. Exposure controls / personal protection

Ensure good ventilation. This can be achieved by local suction or general air extraction.  
If this is insufficient to maintain the concentration under the OES, MEL or MAK-values, suitable breathing protection should be worn.  
Ingredients with limiting values to be controlled:

Name	EINECS	Type	mg/m <sup>3</sup>	Notation
Ethylene glycol monobutyl ether	203-905-0	OES, TWA	98	skin
Isopropyl alcohol	200-661-7	MAK; 8h	500	
Ammonia (waterfree)	231-635-3	OES, TWA	14	

Respiratory protection : Wear respiratory protection if OES, MEL or MAK-value is exceeded (EN 141)  
Hand protection : protective gloves made from chloroprene, thickness: 0,8 mm, permeation time: 120 min or nitrile, thickness: 0,8 mm, permeation time: 480 min. (EN 374)  
Eye protection : Wear suitable safety goggles in case of splash (EN 166)  
General protection and hygienic measures : Remove contaminated clothing. Keep away from food and drinking stuff.

Additional information on hand protection: No tests have been performed.

Selection made for preparations according to the best available knowledge and information on ingredients.  
In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use.

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### 9. Physical and chemical properties

Form : liquid  
Colour : transparent  
Odour : mild

Safety relevant data:

Boiling point : 95°C  
Melting point : -8°C  
Flash point : ~ 40°C  
Ignition temperature : n.a.

Explosion hazard

lower explosion limit : n.a.  
upper explosion limit : n.a.  
Density : ~ 1.0 g/ml  
Solubility : soluble  
pH (100 g/l H<sub>2</sub>O, 20°C) : ~ 10.5  
Viscosity : n.a.

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### 10. Stability and reactivity

Thermal decomposition : No hazardous decomposition products known when use as directed.  
Hazardous reactions : No hazardous reactions known.  
Hazardous decomposition products : No hazardous decomposition products known.

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### 11. Toxicological information

Toxicological effects : no data available  
Sensitization : no data available  
Further information : classification according to calculation procedure  
Local effects : Irritation of eye and skin possible

Data of the ingredients:

Ammonia solution 25%: Oral: LD50: 350 mg/kg (rat)  
Isopropyl alcohol: Oral: LD50: > 2000 mg/kg (rat), Dermal: LD50: > 2000 mg/kg (rab),  
inhalation: LC50 / 4h: > 20 mg/ml (rat)  
Ethylene glycol monobutyl ether: Oral: LD50: 200-2000 mg/kg (rat),  
Dermal: LD50: 400-2000 mg/kg (rab), inhalation: LC50 / 4h: 2-20 mg/l (rat)

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### 12. Ecological information

Data on elimination (persistence and degradability):

Elimination rate : > 90%  
Behaviour in sewage plants : The product does not cause any disruptions of sewage plants.  
According to the recipe, contains no AOX. Contains no phosphates.

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### 13. Disposal considerations

Advises : Dispose of in compliance with federal, state and local environmental regulations. Take liquid to a sewage plant (consider pH-value).

EC disposal code no. for the preparation : 07 06 01 Aqueous washing liquids and mother liquors  
20 01 30 Detergents other than those mentioned in 20 01 29

for contaminated packaging : 15 01 02 Plastic packaging

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### 14. Transport information

Land transport : Dangerous goods regulations acc. to ADR/RID not applicable  
Inland waterways transport : Dangerous goods regulations acc. to ADB/ADNR not applicable  
Sea transport : Dangerous goods regulations acc. to IMDG/GGVSee not applicable  
Aircraft transport : Dangerous goods regulations acc. to ICAO/IATA not applicable

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### 15. Regulatory information

Classification according to Dangerous Product Regulations incl. EC-Directives (67/548/EEC and 199/45/EV)

Labelling : The product does not require a hazardous warning label in accordance with EC-regulations and the relevant national laws.

Hazard symbols : n.a.

National regulations

Water hazard class : 1 (self-classification acc. to VwVwS)  
(German only) i.e. slightly hazardous to water

VOC 1999/13/EV : 13 %

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### 16. Other information

Wording of the R-phrases specified in chapter 2 (not the classification of the preparation)

R 11: Highly flammable  
R 20/21/22: Harmful by inhalation, in contact with skin and if swallowed  
R 34: Causes burns  
R 36: Irritating to eyes  
R 36/38: Irritating to eyes and skin  
R 50: Very toxic to aquatic organism  
R 67: Vapours may cause drowsiness and dizziness

n.a. = not applicable

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The information given is based on current knowledge. Products are described in term of their safety data. The data does not signify any warranty with regard to the products properties.

The product should only be used for the stated application or applications. Use of the product for applications other than as stated in the sheet may give rise to risks not mentioned in this sheet.

Further information relating to the use of the product can be obtained from the technical datasheets.