

Material safety data sheet according 91/155/EWG

Trade name: **BRILLIANCE Clean**

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7. Handling and storage

Handling:

Instructions for safe handling : keep containers tightly closed

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 ³	ml/m ³
Isopropyl alcohol	200-661-7	MAK; 8 hours	500	200
Ethylene glycol monobutyl ether	203-905-0	MAK, 8 hours	98	200
Ammonia (waterfree)	231-635-3	MAK, 8 hours	14	20

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)

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.

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-value : ~ 10,5
Viscosity : n.a.

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10. Stability and reactivity

Hazardous reactions : No hazardous reactions known.
Hazardous decomposition products : No hazardous decomposition products known.
Thermal decomposition : Stable up to boiling point.

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

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.

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.
Wastes from manufacture, formulation, supply and use of fats, grease, detergents, disinfectants and cosmetics
Aqueous washing liquids and mother liquors
(The waste code are recommendations based on the schedule use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances.)
for contaminated packaging :15 01 02 Plastic packaging

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 1999/45/EC)
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/EC : 13 %

16. Other information

Wording of the R-phrases specified in chapter 2 (not the classification of the preparation)
11: Highly flammable
20/21/22: Harmful by inhalation, in contact with skin and if swallowed
34: Causes burns
36 Irritating to eyes
36/38: Irritating to eyes and skin
50: Very toxic to aquatic organisms
67: Vapours may cause drowsiness and dizziness

This information is based on our present state of knowledge. They describe our product in view of the requirements for safety. They do not assure of certain properties of the product. A legal relationship is not vested. Duplication without changes of the original version is allowed.