

Material Safety Data Sheet

According to 91/155 EC

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1 Identification of substance:

- **Product details:**
- **Trade name:** Gehäuseintensivreiniger
- **Manufacturer/Supplier:**
GREEN CLEAN GmbH.
Trimmelkammer Straße 16
A-5120 St.Pantaleon
- **Informing department:** Product Safety Department
- **Emergency information:** During the normal office hours: 0043 6277 62304

2 Composition/Data on components:

- **Chemical characterization**
- **Description:**
Mixture of the substances listed below with harmless additions.

Dangerous components:
anionische Tenside 2.5-10 %
Xi; R 36/38

67-63-0 propan-2-ol 10-25 %
Xi, F; R 11-36-67

112-34-5 2-(2-butoxyethoxy)ethanol 2.5-10 %
Xi; R 36

Fettalkoholethoxylat < 2.5 %
Xi; R 36/38

3 Hazards identification

- **Information pertaining to particular dangers for man and environment**
R 10 Flammable.
- **Classification system**
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

4 First aid measures

- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** The product is not skin irritating.
- **After eye contact**
Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing** In case of persistent symptoms consult doctor.

5 Fire fighting measures

- **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:**

Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation, avoid contact with sources of ignition.

- **Measures for environmental protection:**
Do not allow to enter drainage system, surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

7 Handling and storage

- **Handling**
- **Information for safe handling:**
No special precautions necessary if used correctly.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Storage**
- **Requirements to be met by storerooms and containers:**
No special requirements.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
- **Further information about storage conditions:**
Keep container tightly sealed.
- **Storage class**
- **Class according to regulation on inflammable liquids:** Void

8 Exposure controls and personal protection

- **Additional information about design of technical systems:**
No further data; see item 7.
- **Components with critical values that require monitoring at the workplace:**
67-63-0 propan-2-ol
OES: Short-term value: 1250 mg/m³, 500 ppm
Long-term value: 999 mg/m³, 400 ppm
- **Additional information:**
The lists that were valid during the compilation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
Wash hands during breaks and at the end of the work.
- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.
- **Eye protection:** Tightly sealed safety glasses.

9 Physical and chemical properties:

- **Form:** Fluid
- **Colour:** According to product specification
- **Smell:** Product specific
- **Value/Range Unit Method**
- **Change in condition**
- **Melting point/Melting range:** Not determined
- **Boiling point/Boiling range:** 82 ° C
- **Flash point:** 33 ° C

- **Ignition temperature:** 225 ° C
- **Self-inflammability:** Product is not selfigniting.
- **Danger of explosion:**
Product is not explosive. However, formation of explosive air/steam mixtures is possible.
- **Critical values for explosion:**
- **Lower:** 0.9 Vol %
- **Upper:** 12.0 Vol %
- **Steam pressure:** at 20 ° C 48 hPa
- **Density** at 20 ° C 0.96 g/cm³
- **Solubility in / Miscibility with**
- **Water:** Fully miscible
- **pH-value:** at 20 ° C 9.5
- **Solvent content:**
- **Organic solvents:** 30.0 %
- **Water:** 66.0 %
- **Solids content:** 1.0 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous products of composition:**
No dangerous decomposition products known

11 Toxicological information

- **Acute toxicity:**
LD/LC50 values that are relevant for classification:
67-63-0 propan-2-ol
Oral: LD50: 4570 mg/kg (rat)
Dermal: LD50: 13400 mg/kg (rab)
Inhalative: LC50/4 h: 30 mg/l (rat)
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritant effect.
- **Sensitization:** No sensitizing effect known.

12 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.

13 Disposal considerations

- **Product:**
- **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **European waste catalogue** 20 01 13: solvents

- **Uncleaned packagings:**
- **Recommendation:** Packaging can be reused or recycled after cleaning.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

14 Transport information

- **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**
- **ADR/RID-GGVS/E Class:** 3 Flammable liquids.
- **Number/Letter:** 31c
- **Kemler Number:** 30
- **UN-Number:** 1993
- **Label** 3
- **Designation of goods:** 1993 Flammable liquid, n.o.s., contains isopropanol (Isopropyl alcohol)

- **Maritime transport IMDG/GGVSea:**
- **IMDG/GGVSea Class:** 3.3
- **Page:** 3345
- **UN Number:** 1993
- **Packaging group:** III
- **EMS Number:** 3-07
- **MFAG:** 310
- **Marine pollutant:** No
- **Correct technical name:** Flammable liquid, n.o.s., contains isopropanol (Isopropyl alcohol)

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1993
- **Packaging group:** III
- **Correct technical name:** Flammable liquid, n.o.s., contains isopropanol (Isopropyl alcohol)

15 Regulatory information

- **Designation according to EC guidelines:**
The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)
- **Risk phrases:** 10 Flammable.
- **Safety phrases:**
2 Keep out of the reach of children.
7 Keep container tightly closed.
16 Keep away from sources of ignition - No smoking.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
46 If swallowed, seek medical advice immediately and show this container or label.
51 Use only in well-ventilated areas.
- **National regulations**
The product is subject to classification in accordance with the prevailing version of the regulations on hazardous materials.
- **Classification according to VbF:** Void

- **Technical instructions (air):**

Class Share in %

Wasser 66.0

II 8.0

III 20.0

NK 2.0

- **Water hazard class:**

Water hazard class 2 (Self-assessment): hazardous for water.

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.

- **Department issuing data specification sheet:**

Environment protection department.

- **Contact:** Fr. Lettner