

Material Safety Data Sheet

According to 91/155 EEC

Printing date 16.06.2005

Reviewed on 16.06.2005


1 Identification of substance:

- **Product details:**
- **Trade name:** ***Vitrapur-Glasreiniger***
- **Application of the substance / the preparation** *Glass Cleaner*
- **Manufacturer/Supplier:**
PURRATIO AG
Mörikestrasse 30
D-73765 Neuhausen a.d. Fildern
- Tel.: +49(0)7158-986 55-0*
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Max Kochlik
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Max Kochlik
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2 Composition/Data on components:

- **Chemical characterization**
- **Description:** *Tenside mixture with ethanol*

- **Dangerous components:**

CAS: 64-17-5	ethanol	 F; R 11	2.5-15%
EINECS: 200-578-6			

- **Additional information** *For the wording of the listed risk phrases refer to section 16.*

3 Hazards identification

- **Hazard designation:** *void*
- **Information pertaining to particular dangers for man and environment**
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

4 First aid measures

- **General information** *Instantly remove any clothing soiled by the product.*
- **After inhalation** *Take affected persons into the open air and position comfortably*
- **After skin contact** *Instantly wash with water and soap and rinse thoroughly.*
- **After eye contact** *Rinse opened eye for several minutes under running water. Then consult doctor.*
- **After swallowing** *Seek immediate medical advice.*

5 Fire fighting measures

- **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** *Water with a full water jet.*
- **Protective equipment:** *Wear self-contained breathing apparatus.*

6 Accidental release measures

- **Person-related safety precautions:** *Ensure adequate ventilation*

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- **Measures for environmental protection:**
Do not allow to enter drainage system, surface or ground water.
Do not allow to enter the ground/soil.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.
- **Additional information:** See Section 13 for information on disposal.

7 Handling and storage

- **Handling**
- **Information for safe handling:** No special measures required.
- **Information about protection against explosions and fires:** Keep ignition sources away - Do not smoke.
- **Storage**
- **Requirements to be met by storerooms and containers:** Store only in the original container.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
Keep container tightly sealed.
Protect from heat and direct sunlight.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Components with limit values that require monitoring at the workplace:**

64-17-5 ethanol (10-25%)

OES (Great Britain) Long-term value: 1920 mg/m ³ , 1000 ppm
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- **Additional information:** The lists that were valid during the compilation were used as basis.

- **Personal protective equipment**
- **General protective and hygienic measures**
Do not eat, drink or smoke while working.
The usual precautionary measures should be adhered to general rules for handling chemicals.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Protection of hands:**



Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**
Butyl rubber, BR
Fluorocarbon rubber (Viton)
Natural rubber, NR
Chloroprene rubber, CR

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.
- **As protection from splashes gloves made of the following materials are suitable:** PVC gloves

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· **Not suitable are gloves made of the following materials:**

Strong gloves
Leather gloves

· **Eye protection:**



Tightly sealed safety glasses.

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

9 Physical and chemical properties:

· **General Information**

Form:	Fluid
Colour:	Pink
Odour:	Characteristic

· **Change in condition**

Melting point/Melting range: Not determined
Boiling point/Boiling range: Not determined

· **Flash point:** > 64°C (DIN ISO 2592)

· **Self-inflammability:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive.

· **Density** Not determined

· **Solubility in / Miscibility with**

Water: Soluble

· **pH-value at 20°C:** 7 - 9 (DIN 19268)

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

· **Dangerous reactions** none, if used as directed

· **Dangerous products of decomposition:** No dangerous decomposition products known

11 Toxicological information

· **Acute toxicity:**

· **Primary irritant effect:**

· **on the skin:** No irritant effect.

· **on the eye:** No irritant effect.

· **Sensitization:** No sensitizing effect known.

· **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information:

· **Information about elimination (persistence and degradability):** The product is degradable after adaptation

· **Ecotoxic effects:** Not determined

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· **Other information:**

Do not allow undiluted product to reach biological water treatment plants.

If fed into biological water treatment plants properly, disruption of the digestive process in activated sludge is not to be expected.

· **General notes:**

Negative ecological effects are, according to the current state of knowledge, not expected.

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system.

13 Disposal considerations

· **Product:**

· **Recommendation** For disposal, local regulations issued by the authorities must be observed.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **Land transport ADR/RID (cross-border)**

· **ADR/RID-GGV/S/E Class:** -

· **Maritime transport IMDG:**

· **IMDG Class:** -

· **Air transport ICAO-TI and IATA-DGR:**

· **ICAO/IATA Class:** -

· **Transport/Additional information:** Not dangerous according to the above specifications.

15 Regulatory information

· **Designation according to EC guidelines:**

The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.

The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).

Observe the normal safety regulations when handling chemicals

· **Special designation of certain preparations:**

Safety data sheet available for professional user on request.

· **National regulations**

· **Technical instructions (air):**

Class	Share in %
NK	10-25

· **Water hazard class:** Water hazard class 1 (Self-assessment): slightly 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.

· **Relevant R-phrases**

11 Highly flammable.

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- **Department issuing data specification sheet:**
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