

Safety data sheet

according to Regulation (EC) No 1907/2006, Annex II



Printing date 14.03.2014

Revision: 14.03.2014

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier

- Trade name: **Antistatischer Kunststoff-Reiniger + Pfleger**

- 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 Cleaning and maintenance product

- 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:

BURNUS GmbH

Postfach 10 03 51

D-64203 Darmstadt

Telefon: +49 6151-8735

- Further information obtainable from: Telefon: +49 6151-873-699

- Department issuing MSDS: JWenninger@burnus.de

- 1.4 Emergency telephone number:

Beratungsstelle bei Vergiftungen, Universitätsklinikum Mainz

Telefon: 06131-19240

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture

- Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable

- Information concerning particular hazards for human 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.

- Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- 2.2 Label elements

- Labelling according to EU guidelines:

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

Observe the general safety regulations when handling chemicals.

- Safety phrases:

2 Keep out of the reach of children.

35 This material and its container must be disposed of in a safe way.

- Special labelling of certain preparations:

Safety data sheet available for professional user on request.

- 2.3 Other hazards

- Results of PBT and vPvB assessment

- PBT: Not applicable.

- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures

- Description: Mixture of substances listed below with nonhazardous additions.

- Dangerous components:

CAS: 67-63-0	propan-2-ol	10-<15%
EINECS: 200-661-7	Xi R36; F R11	
Index number: 603-117-00-0	R67	
Reg.nr.: 01-2119457558-25-xxxx	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	

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- Regulation (EC) No 648/2004 on detergents:

anionic surfactants	< 5%
perfumes	

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

SECTION 4: First aid measures

- 4.1 Description of first aid measures

- **General information:** Remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After eye contact:**
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
If swallowed, do not induce vomiting; seek medical advice and show this container or label.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture**
Can form explosive gas-air mixtures.
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.
- **Additional information**
Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Keep away from ignition sources.
- **6.2 Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.
Ensure adequate ventilation.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 10 for information on "stability and reactivity".

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See Section 13 for disposal information.

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SECTION 7: Handling and storage**- 7.1 Precautions for safe handling**

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

- Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

- 7.2 Conditions for safe storage, including any incompatibilities**- Storage:****- Requirements to be met by storerooms and receptacles:** No special requirements.**- Information about storage in one common storage facility:** Not required.**- Further information about storage conditions:** Keep receptacle tightly sealed.**- 7.3 Specific end use(s)** No further relevant information available.**SECTION 8: Exposure controls/personal protection****- Additional information about design of technical facilities:** No further data; see item 7.**- 8.1 Control parameters****- Ingredients with limit values that require monitoring at the workplace:****67-63-0 propan-2-ol**

AGW (Germany)	Long-term value: 500 mg/m ³ , 200 ppm 2(II);DFG, Y
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- DNELs**67-63-0 propan-2-ol**

Oral	Langzeit, Systemische Effekte	26 mg/kg bw/day (all)
Dermal	Langzeit, Systemische Effekte	319 mg/kg bw/day (all) 888 mg/kg bw/day (ber)
Inhalative	Langzeit, Systemische Effekte	89 mg/m ³ (all) 500 mg/m ³ (ber)

- PNECs**67-63-0 propan-2-ol**

PNEC Boden	28 mg/kg Boden (-)
PNEC Kläranlage	2251 mg/l (-)
PNEC Meerwasser	140,9 mg/l (-)
PNEC Meerwassersediment	552 mg/kg Sediment (-)
PNEC Süßwasser	140,9 mg/l (-)
PNEC Süßwassersediment	552 mg/kg Sediment (-)

- Ingredients with biological limit values:**67-63-0 propan-2-ol**

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BGW (Germany)	25 mg/l Untersuchungsmaterial: Vollblut Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Aceton
	25 mg/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Aceton

- **Additional information:** The lists valid during the making were used as basis.

- 8.2 Exposure controls

- Personal protective equipment:

- General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

- **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.

- Protection of hands:

Protective gloves on prolonged contact with skin.

Check protective gloves prior to each use for their proper condition.

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

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.

- **Eye protection:** Goggles recommended during refilling

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

- General Information

- Appearance:

Form:	Fluid
Colour:	Colourless, light opaque
- Odour:	Perfumed
- Odour threshold:	Not determined.

- **pH-value at 20 °C:** 9

- Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	> 35 °C

- **Flash point:** 32 °C
The preparation does not sustain combustion.

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- Flammability (solid, gaseous):	Not applicable.
- Ignition temperature:	
- Decomposition temperature:	Not determined.
- Self-igniting:	Product is not self-igniting.
- Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
- Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
- Vapour pressure:	Not determined.
- Density at 20 °C:	0,98 g/cm ³
- Relative density	Not determined.
- Vapour density	Not determined.
- Evaporation rate	Not determined.
- Solubility in / Miscibility with water:	Fully miscible.
- Partition coefficient (n-octanol/water):	Not determined.
- Viscosity:	
Dynamic at 20 °C:	2 mPas (Brookfield)
Kinematic:	Not determined.
- 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** Forms explosive gas mixture with air.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**
No dangerous products of decomposition if used and stored according to specifications.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**

- LD/LC50 values 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:** Frequent and/or persistent contact with skin may cause skin irritation.
- **on the eye:** Slight irritant effect possible.
- **Sensitization:** No sensitizing effects known.

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- Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU 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 to our experience and the information provided to us.

No experimentally found toxicological data are available for this preparation.

SECTION 12: Ecological information

- 12.1 Toxicity

- Aquatic toxicity:

67-63-0 propan-2-ol

EC50/72 h | > 1000 mg/l (Algae)

- 12.2 Persistence and degradability No further relevant information available.

- 12.3 Bioaccumulative potential No further relevant information available.

- 12.4 Mobility in soil No further relevant information available.

- Additional ecological information:

- General notes:

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

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

- 12.5 Results of PBT and vPvB assessment

- PBT: Not applicable.

- vPvB: Not applicable.

- 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods

- Recommendation Disposal must be made according to official regulations.

- European waste catalogue

07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 02 00	wastes from the MFSU of plastics, synthetic rubber and man-made fibres
07 02 04*	other organic solvents, washing liquids and mother liquors

- Uncleaned packaging:

- Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

- 14.1 UN-Number

- ADR, IMDG, IATA

UN1987

- 14.2 UN proper shipping name

- ADR

1987 ALCOHOLS, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL))

- IMDG, IATA

ALCOHOLS, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL))

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- 14.3 Transport hazard class(es)**- ADR**

- Class 3 (F1) Flammable liquids.
- Label 3

- IMDG, IATA

- Class 3 Flammable liquids.
- Label 3

- 14.4 Packing group**- ADR, IMDG, IATA** III**- 14.5 Environmental hazards:** Not applicable.**- 14.6 Special precautions for user** Warning: Flammable liquids.**- Danger code (Kemler):** 30**- EMS Number:** F-E,S-D**- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.**- Transport/Additional information:****- ADR****- Limited quantities (LQ)** 5L**- Transport category** 3**- Tunnel restriction code** D/E**SECTION 15: Regulatory information****- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****- National regulations:****- Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.**- 15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

R11 Highly flammable.

R36 Irritating to eyes.

R67 Vapours may cause drowsiness and dizziness.