

Printing date 18.10.2004

Reviewed on 18.10.2004

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

- Product details

- Trade name: **Antistatischer Kunststoff-Reiniger + Pfleger**
- Application of the substance / the preparation **Cleaning agent/ Cleaner**

- Manufacturer/Supplier:

BURNUS GmbH
Postfach 10 03 51
D-64203 Darmstadt
Telefon: +49 6151-8735

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

- Information in case of emergency:

Beratungsstelle bei Vergiftungen, Universitätsklinikum Mainz
Telefon: 06131-19240

2 Composition/information on ingredients

- Chemical characterization

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

- Dangerous components:

CAS: 67-63-0	propan-2-ol	Xi, F; R 11-36-67	5-15%
EINECS: 200-661-7			
EU Number: 603-117-00-0			

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

3 Hazards identification

- Hazard description: Not applicable

- Information concerning to particular hazards to 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.

- Classification system:

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

4 First-aid measures

- General information: Remove any clothing soiled by the product.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: After contact with skin, wash with plenty of soap and water.
- 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.

5 Fire-fighting measures

- Suitable extinguishing agents:
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards caused by the substance, its products of combustion or resulting gases:
Formation of toxic gases is possible during heating or in case of fire.
- Protective equipment:
Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.
- Additional information
Cool endangered receptacles with water spray.

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Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- Person-related safety precautions:

Ensure adequate ventilation

Keep away from ignition sources.

- Measures for environmental protection:

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.

- Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of the material collected according to regulations.

Ensure adequate ventilation.

7 Handling and storage

- Handling:

- **Information for safe handling:** No special precautions are necessary if used correctly.

- **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.

- 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.

8 Exposure controls/personal protection

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

- Ingredients with limit values that require monitoring at the workplace:

67-63-0 propan-2-ol

BAT (Germany)	Grenzwert: 50 mg/l (Aceton: Vollblut bzw. Urin)
MAK (Germany)	500 mg/m ³ , 200 ppm vgl. Abschn. XII
MAK (TRGS 900) (Germany)	500 mg/m ³ , 200 ppm Y; DFG
OES (Great Britain)	Short-term value: 1250 mg/m ³ , 500 ppm Long-term value: 999 mg/m ³ , 400 ppm

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

- Personal protective equipment:

- General protective and hygienic measures:

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

Avoid contact with the eyes and skin.

Wash hands before breaks and at the end of work.

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

- Protection of hands:

Protective gloves on prolonged contact with skin.

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

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- 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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye protection: Goggles recommended during refilling

9 Physical and chemical properties
- General Information

Form:	Fluid
Colour:	Colourless, light opaque
Odour:	Perfumed

- Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 82°C

- Flash point: 32°C (DIN EN 22719)
The preparation does not sustain combustion.

- Self-igniting: Product is not self-igniting.

- Danger of explosion: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

- Density at 20°C: 0,977 g/cm³

- Solubility in / Miscibility with water: Fully miscible.

- pH-value at 20°C: 9

- Viscosity:
Dynamic at 20°C: 2 mPas (Brookfield)

10 Stability and reactivity
- Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

- Dangerous reactions

Forms explosive gas mixture with air.

No dangerous reactions if used and stored according to specifications.

- Dangerous decomposition products:

No dangerous products of decomposition if used and stored according to specifications.

11 Toxicological information
- Acute toxicity:
- 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.

- 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.

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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.

12 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.

13 Disposal considerations

- Product:

- **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.

- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

- Land transport ADR/RID (cross-border)



- **ADR/RID class:** 3 (F1) Flammable liquids.

- **Danger code (Kemler):** 30

- **UN-Number:** 1987

- **Packaging group:** III

- **Hazard label** 3

- **Description of goods:** 1987 ALCOHOLS, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL))

- Maritime transport IMDG:



- **IMDG Class:** 3

- **UN Number:** 1987

- **Label** 3

- **Packaging group:** III

- **EMS Number:** F-E,S-D

- **Proper shipping name:** ALCOHOLS, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL))

- Air transport ICAO-TI and IATA-DGR:



- **ICAO/IATA Class:** 3

- **UN/ID Number:** 1987

- **Label** 3

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- **Packaging group:** III
- **Proper shipping name:** ALCOHOLS, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL))

15 Regulatory information**- Labelling according to EU guidelines:**

The product is not subject to identification regulations under EC Directives (directive 67/548/EEC, annex VI, nr. 2.2.5).

Observe the general safety regulations when handling chemicals.

- Safety phrases:

2 Keep out of the reach of children.

- Special labelling of certain preparations:

Safety data sheet available for professional user on request.

- National regulations:

- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

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 R-phrases

11 Highly flammable.

36 Irritating to eyes.

67 Vapours may cause drowsiness and dizziness.

EU