

Safety data sheet

according to 1907/2006/EC, Article 31



Printing date 30.04.2017

Version number 3

Revision: 30.04.2017

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 Regulation (EC) No 1272/2008

Flam. Liq. 3 H226 Flammable liquid and vapour.

Eye Irrit. 2 H319 Causes serious eye irritation.

- 2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

- Hazard pictograms



GHS02 GHS07

- Signal word Warning

- Hazard statements

H226 Flammable liquid and vapour.

H319 Causes serious eye irritation.

- Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241 Use explosion-proof electrical/ventilating/lighting equipment.

P280 Wear protective gloves / eye protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 2)

DEGEN

Safety data sheet

according to 1907/2006/EC, Article 31



Printing date 30.04.2017

Version number 3

Revision: 30.04.2017

Trade name: Antistatischer Kunststoff-Reiniger + Pfleger

(Contd. of page 1)

- Labelling of packages where the contents do not exceed 125 ml
- Hazard pictograms



GHS02 GHS07

- Signal word Warning
- Hazard statements Void
- 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	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	
Index number: 603-117-00-0		
Reg.nr.: 01-2119457558-25-xxxx		

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

anionic surfactants	<5%
perfumes	

- Additional information: For the wording of the listed hazard 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 skin contact: After contact with skin, wash with plenty of water.
- After eye contact:
 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 - Rinse cautiously with water for several minutes.
 - Remove contact lenses, if present and easy to do. Continue rinsing.
- 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.

(Contd. on page 3)

Safety data sheet
according to 1907/2006/EC, Article 31



Printing date 30.04.2017

Version number 3

Revision: 30.04.2017

Trade name: Antistatischer Kunststoff-Reiniger + Pfleger

(Contd. of page 2)

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".
See Section 13 for disposal information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
No special precautions are necessary if used correctly.

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

- 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
---------------	--

- DNELs

67-63-0 propan-2-ol

Oral	Langzeit, Systemische Effekte	26 mg/kg bw/day (all)
------	-------------------------------	-----------------------

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31



Printing date 30.04.2017

Version number 3

Revision: 30.04.2017

Trade name: Antistatischer Kunststoff-Reiniger + Pfleger

(Contd. of page 3)

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 Süßwasser	140.9 mg/l
PNEC Süßwassersediment	552 mg/kg Sediment
PNEC Meerwasser	140.9 mg/l
PNEC Boden	28 mg/kg Boden
PNEC Kläranlage	2251 mg/l
PNEC Meerwassersediment	552 mg/kg Sediment

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

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.

Filter A/P2

- Protection of hands:

Protective gloves (EN 374)

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.

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

- Material of gloves

Find below a list of appropriate protective gloves for chemical surrounding:

Permeation time / penetration time: = 480 minutes (DIN EN 374):

Chloropren Nitril II, Nr. 0717

Nitril I, Nr. 0730, 0732, 0733, 0736, 0737, 0738, 0739 oder 0836

Viton, Nr. 0890

Butyl II, Nr. 0897

Butyl, Nr. 0898

of KCL company (e-mail: vertrieb@kcl.de).

(Contd. on page 5)

DEGEN

Safety data sheet
according to 1907/2006/EC, Article 31



Printing date 30.04.2017

Version number 3

Revision: 30.04.2017

Trade name: Antistatischer Kunststoff-Reiniger + Pfleger

(Contd. of page 4)

The recommendation is based exclusively on the chemical compatibility and the test according to EN374 under laboratory conditions.

Requirements can vary according to the use. Therefore, please always take into account the glove supplier's recommendations.

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

Permeation time / penetration time: see above (material of gloves)

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

- Eye protection: Safety glasses

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/freezing point: Undetermined.

Initial boiling point and boiling range: >35 °C

- Flash point: 32 °C

- Flammability (solid, gas): Not applicable.

- Ignition temperature:

Decomposition temperature: Not determined.

- Auto-ignition temperature: Product is not self-igniting.

- Explosive properties: 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/cm³

- 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

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31



Printing date 30.04.2017

Version number 3

Revision: 30.04.2017

Trade name: Antistatischer Kunststoff-Reiniger + Pfleger

(Contd. of page 5)

Kinematic:	Not determined.
- 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **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** Based on available data, the classification criteria are not met.

- 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:**
- **Skin corrosion/irritation** Repeated exposure may cause skin dryness or cracking.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
No experimentally found toxicological data are available for this preparation.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

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

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31



Printing date 30.04.2017

Version number 3

Revision: 30.04.2017

Trade name: Antistatischer Kunststoff-Reiniger + Pfleger

(Contd. of page 6)

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))

- 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.

(Contd. on page 8)

Safety data sheet
according to 1907/2006/EC, Article 31



Printing date 30.04.2017

Version number 3

Revision: 30.04.2017

Trade name: Antistatischer Kunststoff-Reiniger + Pfleger

(Contd. of page 7)

- 14.6 Special precautions for user	Warning: Flammable liquids.
- Danger code (Kemler):	30
- EMS Number:	F-E,S-D
- Stowage Category	A
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
- Transport/Additional information:	
- ADR	
- Limited quantities (LQ)	5L
- Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
- Transport category	3
- Tunnel restriction code	D/E
- IMDG	
- Limited quantities (LQ)	5L
- Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
- UN "Model Regulation":	UN 1987 ALCOHOLS, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL)), 3, III

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **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.

- Abbreviations and acronyms:

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative

(Contd. on page 9)

Safety data sheet
according to 1907/2006/EC, Article 31



Printing date 30.04.2017

Version number 3

Revision: 30.04.2017

Trade name: Antistatischer Kunststoff-Reiniger + Pfleger

Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

- * **Data compared to the previous version altered.**

(Contd. of page 8)

- DEGEN -