

Material Safety Data Sheet
According to 91/155 EC

Printing date 22.02.95

Reviewed on 22.02.95

1 Identification of substance:

- Product details:
- Trade name: Antistatischer Kunststoffreiniger + Pfleger
- Manufacturer/Supplier:
BURNUS GmbH
Postfach 100351
D-64203 Darmstadt
Telefon: +49 6151/18-00
- Informing department: Telefon: +49 6151/18-4101
- Emergency information: +49 6151/18-4342

2 Composition/Data on components:

- Chemical characterization
- Description:
Chemical preparation containing:
Alkanol, anionic surfactants, fragrances, water

- Dangerous components:

CAS NO.	Designation	%	Index	R-phrases
67-63-0	propan-2-ol	15-30	F	11

3 Hazards identification

- Hazard designation: void
- Information pertaining to particular dangers for man and environment:
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:
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 immediately and show this container or label

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
Keep away from ignition sources

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- Measures for environmental protection:
Do not allow to enter drainage system, surface or ground water.
Inform respective authorities in case product reaches water or sewage system.
- Measures for cleaning/collecting:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the material collected according to regulations.

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.
- Storage
- Requirements to be met by storerooms and containers:
No special requirements.
- Information about storage in one common storage facility: Not required.
- 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 limit values that require monitoring at the workplace:

CAS No.	Designation of material	Type	Value	Unit
67-63-0	propan-2-ol	OEL	980	mg/m3
			400	ml/m3
- 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:
Use breathing protection in case of insufficient ventilation.
- Protection of hands: Not required.
- Eye protection: Safety glasses recommended during refilling.

9 Physical and chemical properties:

- Form: Fluid
 - Colour: Colourless, light opaque
 - Odour: Perfumed
 - Change in condition
 - Melting point/Melting range:
 - Boiling point/Boiling range:
 - Flash point:
 - Ignition temperature:
- | | Value/Range | Unit | Method |
|------------------------------|----------------|------|------------|
| Melting point/Melting range: | <0 | ° C | |
| Boiling point/Boiling range: | 82-100 | ° C | |
| Flash point: | 31 | ° C | DIN 51 755 |
| Ignition temperature: | Not determined | | |

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- 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: 2.0 Vol %
 - Upper: 12.0 Vol %(Values for explosion valid for the solvent)
- 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 ca. 2 mPas Brookfield

10 Stability and reactivity

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Dangerous reactions: No dangerous reactions known
- 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: Slight irritant effect possible.
- 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:

- 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 bodies or sewage system.

13 Disposal considerations

- Product:

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- Recommendation:
Disposal must be made according to official regulations.
- Uncleaned packagings:
- Recommendation:
Disposal must be made according to official regulations.
- Recommended cleaning agent: Water.

14 Transport information

- Land transport ADR/RID (cross-border)
- ADR/RID-GGVS/E Class: 3 Inflammable liquids
- Number/Letter: 31c
- Kemler Number: 30
- UN-Number: 1993
- Designation of goods: 1993 Entzündbarer flüssiger Stoff, n.a.g., enthält Isopropanol
1993 Flammable liquid, n.o.s., containing Isopropanol

- Maritime transport IMDG:
- IMDG Class: 3.3
- Page: 3345
- UN Number: 1993
- Packaging group: III
- EMS Number: 3-07
- MFAG: 305
- Correct technical name: Entzündbare Flüssigkeit, n.a.g., enthält Isopropanol
Flammable liquid, n.o.s., containing Isopropanol

- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: 3
- UN/ID Number: 1993
- Packaging group: III
- Correct technical name: Entzündbare Flüssigkeit, n.a.g., enthält Isopropanol
Flammable liquid, n.o.s., containing Isopropanol

15 Regulatory information

- Designation according to EC guidelines:
The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV) (Anhang I, Nr. 1.2.2.5 (2)).
Observe the normal safety regulations when handling chemicals
- Safety phrases: 2 Keep out of reach of children.
- National regulations
- Classification according to VbF: Void
- Water hazard class:
Water hazard class 1 (Self-assessment): slightly hazardous for water.

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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.