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## SAFETY DATA SHEET

(according to EC directive 1907/2006)

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Version: 2.1

Update: 05.02.2009  
Date: 06.04.2009

### SANO-DESINFEKT-Plus

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Trade name:** SANO-DESINFEKT-Plus

**Usage:** Industrial Use

**Supplier:**

VAIHINGER GmbH  
Horstweg 29  
65520 Bad Camberg  
Germany  
Tel.: +49 (0) 6434/9405-0  
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**Emergency information:**

Please contact your local national advice agency for poisoning appearances and embryo toxicology

## 2. HAZARDS IDENTIFICATION

Irritant

Dangerous for the environment

**Risk advice to man and the environment**

Irritating to eyes and skin

Very toxic to aquatic organisms

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical characterization:** Microbicidal amphoteric surfactants in aqueous solution

**Hazardous components:**

Components	CAS-No.	EINECS	Symbol(s)	R-phrases	Concentration [%]
1,3 Propanediamine, C10-C16 alkylderivatives, reaction product with 2-chloro acetic acids	139734-65-9		<b>N, C</b>	22-34-50	< 10

The full text of the R phrases is contained in section 16. All existing information on exposure limits is contained in section 8.

## 4. FIRST AID MEASURES

**General advice:** Remove contaminated clothing.

**After inhalation:** Ensure supply of fresh air.

**After contact with skin:** In case of contact with skin wash off with soap and water. Consult a doctor if skin irritation persists.

**After contact with eyes:** In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice

**After ingestion:** Drink large quantities of water, do not induce vomiting; consult a physician - show this data sheet.



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**SANO-DESINFEKT-Plus**

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media:** Product itself is does not burn; extinguishing measures to suit surroundings.

**Extinguishing media which must not be used for safety reasons:** not applicable

**Special hazards from the substance itself, its combustion products or from its vapours: In the event of fire the following can be released:**

- carbon dioxide, carbon monoxide
- Nitrogen oxides (NOx)

Under certain conditions of combustion traces of other toxic substances cannot be excluded

**Special protective equipment for firefighters:** Use self-contained breathing apparatus

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Use personal protective equipment.

**Environmental precautions:** Do not allow to enter drains or waterways. Do not discharge into the subsoil/soil.

**Methods for cleaning up/taking up:** Take up with absorbent material (eg sand, kieselguhr, universal binder). Dispose of absorbed material in accordance with the regulations.

**7. HANDLING AND STORAGE**

**Handling**

**Advice on safe handling:** Ensure adequate ventilation.

**Advice on protection against fire and explosion:** No special measures required.

**Storage**

**Requirements for storage areas and containers:** No special measures required.

**Further information:** Keep container tightly closed

**German storage class:** 12

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Personal protection equipment**

**Hygiene measures:** Do not eat, drink or smoke when working. Wash hands before breaks and after work. Do not wear contaminated clothing.

**Respiratory protection:** None required

**Hand protection:** PVC gloves

**Eye protection:** goggles with side pieces

**Skin and body protection:** light protective clothing

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Form:** Liquid

**Colour:** yellowish

**Odour:** slight, typical

**Melting temperature:** < 0 °C

**Boiling temperature:** approx. 100 °C

**Flash point:** not applicable

**Ignition temperature:** not applicable

**Lower explosion limit:** not applicable

**Upper explosion limit:** not applicable

**Vapour pressure:** not measured

**Density:** 0,992 - 1,002 g/cm<sup>3</sup> at 20 °C

**Water solubility:** soluble

**pH:** 7,7 - 8,7 at 20 °C

**Viscosity, dynamic:** 3 - 13 mPa.s at 20 °C Method: DIN 53015 (Höppler)



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### SANO-DESINFEKT-Plus

#### 10. STABILITY AND REACTIVITY

**Thermal decomposition:** Not measured

**Hazardous reactions:** No hazardous reactions with proper storage and handling.

**Hazardous decomposition products:** None with proper storage and handling.

#### 11. TOXICOLOGICAL INFORMATION

**Remarks:** Irritates eyes and skin

#### 12. ECOLOGICAL INFORMATION

##### Further ecological information

**Remarks:** The product is considered to be a water pollutant (German law). Do not allow to enter soil, waterways or waste water canal.

#### 13. DISPOSAL CONSIDERATIONS

**Product:** In accordance with local authority regulations, take to special waste incineration plant

**Contaminated packaging:** If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

#### 14. TRANSPORT INFORMATION - to be applied at single packages higher than 5 litres!

##### Land transport

###### ADR:

Class: 9

Packaging group: III

Orange plate: Hazard no.: 90

Substance number: 3082

Description of the goods: 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Hazard release: amphoteric surfactant

Label: 9 miscellaneous substances and articles

###### RID:

Class: 9

Packaging group: III

Orange plate: Hazard no.: 90

Substance number: 3082

Description of the goods: 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Hazard release: amphoteric surfactant

Label: 9 miscellaneous substances and articles

##### Inland navigation transport

###### ADNR:

Class: 9

Item: M6

Description of the goods: 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Hazard release: amphoteric surfactant

Label: 9 miscellaneous dangerous goods

##### Sea transport

###### IMDG:

Class: 9

Packaging group: III UN-No: 3082

EmS: F-A S-F

Correct technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.



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Hazard release: amphoteric surfactant  
Label: 9 miscellaneous dangerous goods

#### Air transport

##### ICAO/IATA:

Class: 9

Packaging group: III UN-No: 3082

Correct technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Hazard release: amphoteric surfactant

Label: 9 Miscellaneous dangerous goods

## 15. REGULATORY INFORMATION

Labelling in accordance with GefStoffV/EC: The product is classified and labelled in accordance with EC directives/German regulations on dangerous substances.

Hazard symbol(s):



**Xi**

Irritant



**N**

Dangerous for the environment

**R-phrases(s):** 36/38 Irritating to eyes and skin.  
50 Very toxic to aquatic organisms.

**S-Phases:** 24 Avoid contact with skin.  
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
28 After contact with skin, wash immediately with plenty of water.  
37/39 Wear suitable gloves and eye/face protection.  
61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

#### National legislation / regulations

**TA Luft (Germany):** Class: Paragraph 5.2.5 (no class)

**Observe local authority regulations corresponding to the german incident regulation (StörfallV):** 9a

**Water contaminating class:** 2 (Classification acc. to German law)

**Risk classification according to BetrSichV (Germany):** ---

**Other regulations:** Special local regulations must be adhered to when using products containing irritating or corrosive substances.

## 16. OTHER INFORMATION

none

#### R-phrases of components from chapter 3 - Full wording

22 Harmful if swallowed.

34 Causes burns.

50 Very toxic to aquatic organisms.

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.