



Printing date 03/15/2017

Reviewed on 02/03/2017

## 1 Identification

- **Product identifier**
- **Trade name:** *Dr. Schutz DuroPlus L*
- **Application of the substance / the mixture** Coating compound/ Surface coating/ paint
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
 Supplier:  
 Dr. Schutz GmbH  
 Holbeinstraße 17  
 D-53175 Bonn  
 Tel: +49 228/95 35 2-0  
 Fax: +49 228/95 35 2-46  
 E-Mail: export@dr-schutz.com
- **Import:**  
 Dr. Schutz NA  
 4701 Bath St. 46  
 Philadelphia PA 19137  
 Tel.: 001/877 2724889  
 E-Mail: sam@schutzna.com
- **Information department:**  
 E-Mail: sam@schutzna.com  
 Department for product development
- **Emergency telephone number:**  
 Dr. Schutz NA,  
 Tel.: 001/877 2724889  
 Mo-Fr 8am - 7pm

## 2 Hazard(s) identification

- **Classification of the substance or mixture**  
 The product is not classified according to the Globally Harmonized System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **NFPA ratings (scale 0 - 4)**  

 Health = 0  
 Fire = 1  
 Reactivity = 0
- **HMIS-ratings (scale 0 - 4)**  

 Health = 0  
 Fire = 1  
 Reactivity = 0
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

(Contd. on page 2)

Printing date 03/15/2017

Reviewed on 02/03/2017

Trade name: *Dr. Schutz DuroPlus L*

(Contd. of page 1)

· **Dangerous components:**

102-71-6 | 2,2',2''-nitrilotriethanol

0.1-1%

**4 First-aid measures**· **Description of first aid measures**· **General information:**

Immediately remove any clothing soiled by the product.

No special measures required.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.· **After skin contact:** Generally the product does not irritate the skin.· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:** Rinse out mouth and then drink plenty of water.· **Information for doctor:**· **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**5 Fire-fighting measures**· **Extinguishing media**· **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.· **For safety reasons unsuitable extinguishing agents:** Not applicable.· **Special hazards arising from the substance or mixture** No further relevant information available.· **Advice for firefighters**· **Protective equipment:** No special measures required.· **Additional information**

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

**6 Accidental release measures**· **Personal precautions, protective equipment and emergency procedures** Not required.· **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.· **Methods and material for containment and cleaning up:**

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

· **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

· **Protective Action Criteria for Chemicals**· **PAC-1:**

102-71-6	2,2',2''-nitrilotriethanol	15 mg/m <sup>3</sup>
9005-00-9	Polyoxyethylenstearylether	5.7 mg/m <sup>3</sup>
67-63-0	propan-2-ol	400 ppm

· **PAC-2:**

102-71-6	2,2',2''-nitrilotriethanol	240 mg/m <sup>3</sup>
9005-00-9	Polyoxyethylenstearylether	63 mg/m <sup>3</sup>
67-63-0	propan-2-ol	2000* ppm

(Contd. on page 3)

Printing date 03/15/2017

Reviewed on 02/03/2017

Trade name: *Dr. Schutz DuroPlus L*

(Contd. of page 2)

· PAC-3:		
102-71-6	2,2',2''-nitrilotriethanol	1,500 mg/m <sup>3</sup>
9005-00-9	Polyoxyethylenstearylether	380 mg/m <sup>3</sup>
67-63-0	propan-2-ol	12000** ppm

## 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **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:** Store receptacle in a well ventilated area.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

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

### · Components with limit values that require monitoring at the workplace:

102-71-6 2,2',2''-nitrilotriethanol	
TLV	Long-term value: 5 mg/m <sup>3</sup>

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:**  
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.
- **Body protection:** Light weight protective clothing

US

(Contd. on page 4)

## Safety Data Sheet

acc. to OSHA HCS

Printing date 03/15/2017

Reviewed on 02/03/2017

Trade name: *Dr. Schutz DuroPlus L*

(Contd. of page 3)

## 9 Physical and chemical properties

### · Information on basic physical and chemical properties

#### · General Information

#### · Appearance:

Form: Fluid  
Color: According to product specification

· Odor: Characteristic

· Odor threshold: Not determined.

· pH-value: Not determined.

#### · Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 100 °C (212 °F)

· Flash point: >100 °C (>212 °F) (Seta Flash Closed Cup)

· Flammability (solid, gaseous): Not applicable.

· Decomposition temperature: Not determined.

· Auto igniting: Product is not selfigniting.

· Danger of explosion: Product does not present an explosion hazard.

#### · Explosion limits:

Lower: Not determined.

Upper: Not determined.

· Vapor pressure at 20 °C (68 °F): 23 hPa (17 mm Hg)

· Density at 20 °C (68 °F): 1.01 g/cm<sup>3</sup> (8.428 lbs/gal)

· Relative density: Not determined.

· Vapor density: Not determined.

· Evaporation rate: Not determined.

#### · Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

· Partition coefficient (n-octanol/water): Not determined.

#### · Viscosity:

Dynamic: Not determined.

Kinematic at 20 °C (68 °F): 60 s (DIN 53211/4)

#### · Solvent content:

Organic solvents: 0.0 %

VOC content ASTM D3960: 0.2 g/l / 0.00 lb/gl

#### · Other information

No further relevant information available.

## 10 Stability and reactivity

· **Reactivity** see section "Possibility of hazardous reactions".

· **Chemical stability** No information available.

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **Possibility of hazardous reactions** No dangerous reactions known.

· **Conditions to avoid** No further relevant information available.

· **Incompatible materials:** No further relevant information available.

(Contd. on page 5)

US

Printing date 03/15/2017

Reviewed on 02/03/2017

Trade name: *Dr. Schutz DuroPlus L*

(Contd. of page 4)

· **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

· **Information on toxicological effects**

· **Acute toxicity:**

· **Primary irritant effect:**

· **on the skin:** No irritant effect.

· **on the eye:** No irritating effect.

· **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:

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.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

102-71-6	2,2',2''-nitriлотриethanol	3
67-63-0	propan-2-ol	3

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

## 12 Ecological information

· **Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability** No further relevant information available.

· **Behavior in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **General notes:**

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

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

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

Disposal must be made according to official regulations.

Smaller quantities can be disposed of with household waste.

(Contd. on page 6)

Printing date 03/15/2017

Reviewed on 02/03/2017

Trade name: *Dr. Schutz DuroPlus L*

(Contd. of page 5)

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

## 14 Transport information

- |  |                     |
|--|---------------------|
| · <b>UN-Number</b>   |                     |
| · <b>DOT, ADR, ADN</b>   | Void                |
| · <b>IMDG, IATA</b>  | Void                |
|  | No dangerous goods. |
| · <b>UN proper shipping name</b>   |                     |
| · <b>DOT, ADR, ADN, IMDG, IATA</b>   | Void                |
| · <b>Transport hazard class(es)</b>  |                     |
| · <b>DOT, ADR, ADN, IMDG, IATA</b>   |                     |
| · <b>Class</b>   | Void                |
| · <b>Packing group</b>   | Not applicable.     |
| · <b>DOT, ADR, IMDG, IATA</b>  | Void                |
| · <b>Environmental hazards:</b>  |                     |
| · <b>Marine pollutant:</b>   | No                  |
| · <b>Special precautions for user</b>  | Not applicable.     |
| · <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable.     |
| · <b>UN "Model Regulation":</b>  | Void                |

## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

### · Section 355 (extremely hazardous substances):

None of the ingredients is listed.

### · Section 313 (Specific toxic chemical listings):

67-63-0 propan-2-ol

52-51-7 bronopol (INN)

### · TSCA (Toxic Substances Control Act):

9011-05-6 Polymethylharnstoffharz

102-71-6 2,2',2''-nitrilotriethanol

9005-00-9 Polyoxyethylenstearylether

67-63-0 propan-2-ol

52-51-7 bronopol (INN)

7732-18-5 water, distilled, conductivity or of similar purity

### · Proposition 65

#### · Chemicals known to cause cancer:

None of the ingredients is listed.

#### · Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

(Contd. on page 7)

Printing date 03/15/2017

Reviewed on 02/03/2017

Trade name: *Dr. Schutz DuroPlus L*

(Contd. of page 6)

· <b>Chemicals known to cause reproductive toxicity for males:</b>
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None of the ingredients is listed.
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· <b>Chemicals known to cause developmental toxicity:</b>
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None of the ingredients is listed.
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· <b>Cancerogenity categories</b>
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· <b>EPA (Environmental Protection Agency)</b>
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None of the ingredients is listed.
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· <b>TLV (Threshold Limit Value established by ACGIH)</b>
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67-63-0	propan-2-ol	A4
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· <b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b>
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None of the ingredients is listed.
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· <b>GHS label elements</b> Void
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· <b>Hazard pictograms</b> Void
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· <b>Signal word</b> Void
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· <b>Hazard statements</b> Void
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· <b>Chemical safety assessment:</b> A Chemical Safety Assessment has not been carried out.
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## 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.

· **Department issuing SDS:** Department for product development

· **Contact:**

Dr. Reindl

Dr. Olaf Janßen

· **Date of preparation / last revision** 03/15/2017 / -

· **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

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

· \* **Data compared to the previous version altered.**