



Information  
Indeko Plus

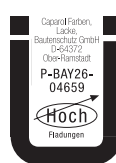
# Indeko-plus

A class of its own, extremely yielding and economic.  
Emission-minimised, unplasticized and solvent-free.



## Product Description

Field of Application	Top-quality coating for all internal walls and ceilings. Indeko-plus has double covering power, hence in most cases one evenly applied coat is sufficient. The product dries very fast without emitting any offensive odour and is therefore particularly suitable when time is pressing and occupants or users are not to be incommoded by the smell of fresh paint, e.g. painting or redecoration in hospitals, nursing homes, warehouses, hotels, restaurants, offices, schools, playschools, surgeries, public buildings and private living quarters.
Material Properties	<ul style="list-style-type: none"> <li>■ Water-thinnable, ecologically compatible, low odour.</li> <li>■ Free of fogging-active substances.</li> <li>■ Easy to touch up.</li> <li>■ Double covering power.</li> <li>■ High degree of whiteness.</li> <li>■ Slightly filling, non-yellowing.</li> <li>■ Diffusion-capable, sd-value &lt; 0.1 m</li> </ul>
Material Base / Vehicle	Synthetic resin dispersion/emulsion according to German standard DIN 55945.
Packaging/Package Size	<ul style="list-style-type: none"> <li>■ <b>Standard Product:</b> 2.5 l, 5 l, 10 l and 12.5 litres</li> <li>■ <b>ColorExpress:</b> 1.25 l, 2.5 l, 5 l, 7.5 l and 12.5 litres</li> </ul>
Colours	White. Indeko-plus is tintable with CaparolColor or AmphiColor® colourants. If more than one bucket is manually tinted, all product must be thoroughly mixed before use in order to avoid colour differences. Quantities of 100 litres or more in individual colour shades may be ordered ready tinted ex factory. Indeko-plus (Base 1-3) can be tinted via the ColorExpress tinting & mixing machine system according to all current colour collections. Check tinted product before applying in order to avoid colour differences. Always use tinted paint of same batch, when applying on seamless surfaces. When colour shades with a lower opacity (hiding/covering power) are used, e.g. red, orange or yellow, it is advisable to apply a first (priming) coat of Indeko-plus or Caparol-Haftgrund, tinted in a matching priming system colour, available via ColorExpress. Possibly a second finishing coat may be necessary.
Gloss Level	Dull matt (Dead-matt according to DIN EN 13300)
Storage	Keep in a cool, but frost-free place.



## Technical Data

**Characteristics according to DIN EN 13 300:** Tinting may cause variations.

- **Wet abrasion:** Wet scrub resistance class 1, corresponds to "scrub resistant" according to German standard DIN 53778
- **Contrast ratio:** Opacity/covering power class 1, with a spreading rate of 8 m<sup>2</sup>/l or 125 ml/m<sup>2</sup>
- **Maximum particle (grit) size:** Fine (< 100 µm)
- **Density:** Approx. 1.4 g/cm<sup>3</sup>

Suitability according to Technical Information No. 606 Definition of Application Areas

Interior 1	Interior 2	Interior 3	Exterior 1	Exterior 2
+	+	-	-	-
(-) inapplicable / (○) of limited suitability / (+) suitable				

## Application

### Suitable Substrates

The substrate must be sound/stable, dry, clean, and free from all substances that may prevent good adhesion. In Germany: Follow VOB, part C, DIN 18 363, section 3.

### Substrate Preparation

**Renders/Plasters in Mortar Groups/Classes PII (Lime-Cement Mortars) and PIII (Cement Mortars) / Minimum Compressive Strength according to DIN EN 998-1 : 2 N/mm<sup>2</sup>:** Solid renders/plasters with normal absorbency require no preliminary treatment. Prime highly porous, sanding or absorbent renders/plasters with OptiGrund E.L.F. or CapaSol LF.

**Gypsum Mortar and Ready-Mixed Gypsum Plasters of Mortar Group/Class PIV / Minimum Compressive Strength according to DIN EN 13279: 2 N/mm<sup>2</sup>:** Apply one priming coat of Caparol-Haftgrund. Sand sintered surfaces, remove sanding dust and apply one priming coat of Caparol-Tiefgrund TB.

**Gypsum Wallboards:** Prime absorbent boards with OptiGrund E.L.F. or Caparol-Tiefgrund TB. Prime highly compacted, smooth/even boards with Caparol-Haftgrund to improve bonding.

**Gypsum Plaster Boards (Sandwich Type Plaster Boards / Am.: Drywalls):** Sand off any burrs. Soft gypsum areas (repair patches) must be primed and strengthened with Caparol-Tiefgrund TB. Apply one priming coat of Caparol-Haftgrund, OptiGrund E.L.F. or CapaSol LF. Boards containing water-soluble substances that leave marks must be primed with Caparol AquaSperrgrund. In Germany: Follow BFS Data Sheet No. 12.

**Concrete:** Remove all residues of releasing agents and chalking or sanding substances.

**Autoclaved Aerated Concrete (AAC) / Cellular Concrete:** Prime with a 1 : 3 mixture of Capaplex and tap (potable) water.

**Fair-Faced Brick and Sand-Lime Brick Masonry:** No preliminary treatment required.

**Sound/Stable Existing Coatings:** Treat matt, slightly absorbent coatings without a preliminary preparation. Roughen/sand glossy surfaces and enamel coatings. Apply one priming coat of Caparol-Haftgrund.

**Unstable Existing Coatings:** Remove unstable enamels and emulsion/dispersion/latex paints or synthetic resin-bound (organic) renders/plasters. Prime slightly absorbent, even surfaces with Caparol-Haftgrund. Prime highly porous, sanding or absorbent substrates with OptiGrund E.L.F. or CapaSol LF. Remove unstable coats of mineral paint by mechanical means and remove all dust. Prime with Caparol-Tiefgrund TB.

**Coats of Glue-Bound Distemper (Limewater Colour/Paint):** Wash off the existing distemper very thoroughly, allow to fully dry and prime with Caparol-Tiefgrund TB.

**Unpainted Woodchip/Ingrain, Textured or Embossed Wallpapers (made of Paper):** Coat without any preliminary treatment.

**Non-Adherent Wallpapers:** Remove completely and wash off all residues of wallpaper paste/glue and waste paper. Prime the substrate with Caparol-Tiefgrund TB.

**Mildewed Surfaces:** Remove fungal attack (fungi/mildew/mould) by wet cleaning, then use Capatox or FungiGrund and allow to dry thoroughly. Prime according to the type and condition of the substrate. Apply a finishing coat of Indeko-W, Malerit-W or Fungitex-W on badly infested surfaces in compliance with legal and official regulations (follow e.g. Ordinance on Biological Agents and Ordinance on Hazardous Substances).

**Surfaces Stained by Nicotine, Water, Soot or Fat/Grease:** Remove nicotine, soot or fat/grease stains by washing with tap water adding a fat-dissolving household detergent, then allow the substrate to dry thoroughly. Clean dried-up water stains by dry brushing. Apply an insulating coat of Caparol AquaSperrgrund. Apply one finishing coat of Aqua-inn N<sup>o</sup> 1 on highly soiled surfaces.

	<p><b>Wood and Derived Timber Products:</b> Coat with water-dilutable, ecologically compatible Capacryl acrylic enamels or Capacryl PU enamels.</p> <p><b>Small Defects:</b> After having completed the necessary preparations, repair small defects with Caparol-Akkordspachtel in accordance with our application instructions, and if necessary, prime subsequently.</p>
Method of Application	<p>Applicable with paint brush, paint roller or airless spray equipment.  <b>Airless application:</b> Spray angle: 50°; Nozzle size: 0.018" to 0.021";          Optimal spray pressure: 150 to 180 bar. Stir well and sieve the paint before application. Clean tools/equipment immediately after use with water.</p>
Surface Coating System	<p>One evenly and generously applied coat of Indeko-plus, undiluted or diluted up to a max. of 5 % with tap (potable) water. High-contrast surfaces require a preliminary first coat of Indeko-plus, diluted up to a max. of 10 % with tap water. Prime unevenly absorbent substrates with Caparol-Haftgrund.</p>
Consumption	<p>Approx. 125 ml/m<sup>2</sup> per coat on an even substrate. On rough-textured surfaces correspondingly more. The exact consumption is best established by a trial coating (test area) on site.</p>
Application Conditions	<p><b>Lower Temperature Limit for Application and Drying:</b> +5 °C for product, substrate and ambient air.</p>
Drying/Drying Time	<p>At +20 °C and 65 % relative humidity surface-dry and recoatable after 4 - 6 hours. Completely dry and ready for stress (loadable) after approx. 3 days. Lower temperatures and higher humidity extend the drying time.</p>
Note	<p>To avoid lapping, the product should be applied wet-on-wet and without interruption.          Due to the use of Caparol-Tiefgrund TB in the interiors, a typical solvent odour is released, hence proper ventilation must be provided during application and drying.          Use non-aromatic, low-odour AmphiSilan-Putzfestiger in sensitive areas.          Mechanical stress (scratching) on surfaces in dark shades may produce noticeable bright-toned stripes. For intensively coloured coatings on surfaces subjected to mechanical loads we recommend the application of an additional protective coat of PremiumColor, tinted to match the Indeko-plus coat in shade. Follow Technical Information PremiumColor.          Touching up surfaces is depending on many parameters and noticeable marks of repaired areas cannot be avoided. (In Germany: See BFS Data Sheet No. 25)</p>

## Advice

German Certificates	<p>The Fraunhofer Wilhelm-Klauditz-Institute (WKI) has audited the inoffensive application for interior use. The product is certified with German TÜV quality mark "pollutant-tested / supervised manufacturing process". German certificate is available on request.</p>
Please Note (Status as at Date of Publication)	<p>Keep out of reach from children. Use P2 dust filter for grinding. Ensure good ventilation during use and drying. Do not eat, drink or smoke while using the paint. In case of contact with eyes or skin, immediately and thoroughly rinse with water. Do not allow product to enter drains, waterways or soil. Clean utensils immediately after use with soap and water. Do not inhale spray dust. Use dust collector A2/P2. Further information: See Material Safety Data Sheet (MSDS).</p>
Disposal	<p>Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local authorities. Particular attention should be made to removing wastage from site in compliance with standard construction site procedures.          In Germany: Only completely emptied containers should be given for recycling. Dispose containers with residues of liquid product via waste collection point accepting old paints and enamels. Dispose dried/hardened product residues as construction site/demolition/municipal or domestic waste.</p>
EU limit value for the VOC content	<p>of this product (category A/a): max. 30 g/l (2010). This product contains &lt; 1 g/l VOC.</p>
Product Code Paints and Enamels	<p>M-DF01</p>
Substances of Content - Declaration	<p>Polyvinyl acetate resin dispersion, titanium dioxide, silicates, calcium carbonate, water, additives, preservatives (Methylisothiazolinone, Benzisothiazolinone).</p>
Technical Assistance	<p>As it is impossible to list herein the wide variety of substrates and their specific problems, please request our technical assistance in case of queries.          We will describe appropriate working methods, if a substrate not specified above is to be coated.</p>
Customer Service Centre	<p>Tel.: (+49) 0 61 54 / 71 17 10          Fax: (+49) 0 61 54 / 71 17 11          e-mail: kundenservicecenter@caparol.de</p> <p>International Distribution: Please see <a href="http://www.caparol.com">www.caparol.com</a></p>

## Technical Information No. 310 · Issue: July 2014

All suggestions and application instructions herein are based on our latest technical experience. Due to the wide variety of individual project conditions, we cannot be held responsible for their content. These instructions do not release the purchaser/appliator from his responsibility to determine the suitability of the product in consideration of the project characteristics. These instructions are to be considered void when a new edition is released. Our general conditions of sale and delivery in their latest edition apply. This document is a translation of our German Technical Information No. 310 · Indeko-plus · Issued: March 2014

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Indeko-plus

Version	Revision Date:	Print Date	Date of last issue: 17.11.2017
1.3	17.08.2018	18.08.2018	Date of first issue: 05.04.2016

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : Indeko-plus

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-  
stance/Mixture : Water-borne coatings

Recommended restrictions : within adequate application - none  
on use

#### 1.3 Details of the supplier of the safety data sheet

Company : Caparol Farben Lacke GmbH  
Roßdörfer Straße 50  
64372 Ober-Ramstadt

Telephone : +496154710  
Telefax : +49615471222  
E-mail address Responsible/issuing person : msds@dr-rmi.com

#### 1.4 Emergency telephone number

Emergency telephone number 1 : +49615471202

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

Precautionary statements : P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.

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### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ensure good ventilation during use and drying. Do not eat, drink or smoke while using the product. In case of contact with eyes or skin, immediately and thoroughly rinse with water. Do not allow product to enter drains, waterways or soil. Clean utensils immediately after use with soap and water.

Use P2 dust filter for grinding.

When spraying, use face mask with particle filter P2 against spray dust.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Emulsion paint, emission-free and solvent-free

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Silicic acid, potassium salt	1312-76-1 215-199-1 01-2119456888-17	Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335	>= 1 - < 10
Substances with a workplace exposure limit :			
titanium dioxide	13463-67-7 236-675-5 01-2119489379-17		>= 20 - < 30
Kieselguhr, soda ash flux-calcined	68855-54-9 272-489-0 21-2119488518-22		>= 1 - < 10
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	14807-96-6 238-877-9 01-2120140278-58		>= 1 - < 10

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice : First aider needs to protect himself.  
Move out of dangerous area.  
If you feel unwell, seek medical advice (show the label where possible).  
Never give anything by mouth to an unconscious person.

If inhaled : Move to fresh air.

In case of skin contact : In case of contact, immediately flush skin with soap and plenty of water.  
Do NOT use solvents or thinners.

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- In case of eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/ attention.
- If swallowed : If swallowed, DO NOT induce vomiting.  
Clean mouth with water and drink afterwards plenty of water.  
Seek medical advice.

### 4.2 Most important symptoms and effects, both acute and delayed

None known.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No information available.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Unsuitable extinguishing media : None known.

### 5.2 Special hazards arising from the substance or mixture

- Specific hazards during fire-fighting : In case of fire hazardous decomposition products may be produced such as:  
Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

### 5.3 Advice for firefighters

- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.
- Further information : The product itself does not burn.  
Standard procedure for chemical fires.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions : Do not get in eyes, on skin, or on clothing.  
Material can create slippery conditions.  
Use protective shoes or boots with rough rubber sole.

### 6.2 Environmental precautions

- Environmental precautions : Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform

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respective authorities.  
Prevent further leakage or spillage if safe to do so.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For disposal considerations see section 13., For personal protection see section 8., For further information see Section 7 of the safety data sheet.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : No special technical protective measures required.  
For personal protection see section 8.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands before eating, drinking, or smoking.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store at room temperature in the original container. To maintain product quality, do not store in heat or direct sunlight. Perishable if frozen.

Advice on common storage : Keep away from oxidizing agents and strongly acid or alkaline materials.

Storage class (TRGS 510) : 12, Non Combustible Liquids

### 7.3 Specific end use(s)

Specific use(s) : Please follow the technical information.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
titanium dioxide	13463-67-7	AGW (Inhalable fraction)	10 mg/m <sup>3</sup> (Titanium dioxide)	DE TRGS 900
Peak-limit: excursion factor (category)	2;(II)			
Further information	General dust value. For this substance no specific occupational exposure limit value is established, since the AGS does not yet have information regarding			



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	unspecific action on the respiratory organs in excess of the normal values., Commission for dangerous substances, Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission).			
		AGW (Alveolate fraction)	1,25 mg/m <sup>3</sup> (Titanium dioxide)	DE TRGS 900
Peak-limit: excursion factor (category)	2;(II)			
Further information	General dust value. For this substance no specific occupational exposure limit value is established, since the AGS does not yet have information regarding unspecific action on the respiratory organs in excess of the normal values., Commission for dangerous substances, Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission).			
Kieselguhr, soda ash flux-calcined	68855-54-9	AGW (Alveolate fraction)	0,3 mg/m <sup>3</sup>	DE TRGS 900
Further information	Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission)., Diatomeous earth can, depending on its origin, contain quartz. The calcining of silica leads to a higher content of cristobalite, activated silica can contain up to 60 vol.% cristobalite. In examining the exposure to (calcined) silica both the amorphous part (limit value for diatomeous earth resp. calcined silica) and the total of the cristobalite and quartz content (carcinogenic according to TRGS 906) should be established., When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	14807-96-6	AGW (Inhalable fraction)	10 mg/m <sup>3</sup>	DE TRGS 900
Peak-limit: excursion factor (category)	2;(II)			
Further information	General dust value. For this substance no specific occupational exposure limit value is established, since the AGS does not yet have information regarding unspecific action on the respiratory organs in excess of the normal values., Commission for dangerous substances, Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission).			
		AGW (Alveolate fraction)	1,25 mg/m <sup>3</sup>	DE TRGS 900
Peak-limit: excursion factor (category)	2;(II)			
Further information	General dust value. For this substance no specific occupational exposure limit value is established, since the AGS does not yet have information regarding unspecific action on the respiratory organs in excess of the normal values., Commission for dangerous substances, Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission).			

## 8.2 Exposure controls

### Personal protective equipment

Eye protection : Always wear eye protection when the potential for inadvertent eye contact with the product cannot be excluded.

German trade association rules - BGR 192 Eye protection

Hand protection

Material : Nitrile rubber  
Glove thickness : 0,2 mm

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Protective index : Class 3

Remarks : Wear suitable gloves tested to EN374. Before removing gloves clean them with soap and water.  
German trade association leaflet: Carry gloves (ZH 1/706)

Skin and body protection : Long sleeved clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
Skin should be washed after contact.

Respiratory protection : No personal respiratory protective equipment normally required.  
When spraying, use face mask with particle filter P2 against spray dust.  
  
No personal respiratory protective equipment normally required.  
When spraying, use face mask with particle filter P2 against spray dust.  
  
German trade association rules - BGR 190 Breathing protection

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : No data available

Odour : No data available

Odour Threshold : Not relevant

pH : 11,4

Melting point/freezing point : not determined

Boiling point/boiling range : not determined

Flash point : not determined

Evaporation rate : Not applicable

Flammability (solid, gas) : The product is not flammable.

Upper explosion limit / Upper flammability limit : not determined

Lower explosion limit / Lower flammability limit : not determined

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Vapour pressure	:	not determined
Relative vapour density	:	not determined
Relative density	:	not determined
Density	:	1,5000 g/cm <sup>3</sup>
Solubility(ies)		
Water solubility	:	insoluble
Partition coefficient: n-octanol/water	:	not determined
Auto-ignition temperature	:	not determined
Decomposition temperature	:	Not applicable
Viscosity		
Viscosity, dynamic	:	No data available
Explosive properties	:	Not applicable
Oxidizing properties	:	Not applicable

### 9.2 Other information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

### 10.4 Conditions to avoid

Conditions to avoid : Protect from frost, heat and sunlight.

### 10.5 Incompatible materials

Materials to avoid : Incompatible with oxidizing agents.  
Incompatible with acids and bases.

### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

**Product:**

Acute oral toxicity : Remarks: Based on available data, the classification criteria are not met.

Acute inhalation toxicity : Remarks: Based on available data, the classification criteria are not met.

Acute dermal toxicity : Remarks: Based on available data, the classification criteria are not met.

#### Skin corrosion/irritation

**Product:**

Remarks : Based on OECD test 431 this product is not classified as skin corrosive/skin irritant.  
Information given is based on tests on products of similar composition.

#### Serious eye damage/eye irritation

**Product:**

Remarks : According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

#### Respiratory or skin sensitisation

**Product:**

Remarks : No data available

#### Further information

**Product:**

Remarks : Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Product:**

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

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### 12.2 Persistence and degradability

**Product:**

Biodegradability : Remarks: No data available

### 12.3 Bioaccumulative potential

**Product:**

Bioaccumulation : Remarks: No data available

### 12.4 Mobility in soil

**Product:**

Mobility : Remarks: No data available

Stability in soil : Remarks: No data available

### 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

### 12.6 Other adverse effects

**Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : .

Waste should not be disposed of via wastewater.

Contaminated packaging : Only completely emptied containers should be given for recycling.

Waste Code : used product  
080112, waste paint and varnish other than those mentioned in 08 01 11\*

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## SECTION 14: Transport information

### 14.1 UN number

Not regulated as a dangerous good

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### 14.2 UN proper shipping name

Not regulated as a dangerous good

### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

### 14.4 Packing group

Not regulated as a dangerous good

### 14.5 Environmental hazards

Not regulated as a dangerous good

### 14.6 Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.  
see sections 6-8

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : This product is a mixture and does not contain Substances of Very High Concern (SVHC) equal or above 0.1%. Therefore no advised uses have to be defined and no chemical safety assessment has to be generated.

REACH - List of substances subject to authorisation (Annex XIV) : None

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.  
Not applicable

Water contaminating class (Germany) : 1 slightly water endangering  
Classification according to AwSV, Annex 1 (5.2)

Product code for laquers and paints / Giscode : M-DF01 Water-based paints, solvent-free

. : BSW10 Coating materials, water-based, low preservative content

Volatile organic compounds : Directive 2004/42/EC  
< 0.1 %  
0 g/l

### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

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### SECTION 16: Other information

#### Full text of H-Statements

H315 : Causes skin irritation.  
H319 : Causes serious eye irritation.  
H335 : May cause respiratory irritation.

#### Full text of other abbreviations

Eye Irrit. : Eye irritation  
Skin Irrit. : Skin irritation  
STOT SE : Specific target organ toxicity - single exposure  
DE TRGS 900 : Germany. TRGS 900 - Occupational exposure limit values.  
DE TRGS 900 / AGW : Time Weighted Average

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

#### Further information

##### Other information:

No exposure scenario communication is required for this product according to REACH Regulation No. 1907/2006 EC.

Communication of Uses is not required in accordance with REACH Article 31(1)(a) - registered substances / mixtures do not meet the criteria for classification as hazardous in accordance with Regulations 1272/2008 EC or 1999/45/EC.

##### Sources of key data used to compile the Safety Data Sheet:

ECHA WebSite

ACGIH (American Conference of Government Industrial Hygienists). 2014 TLVs and BEIs.

Threshold Limit Values (TLVs) for chemical substances and physical agents and Biological Exposure Indices (BEIs) with Seventh Edition documentation. 2014 ACGIH, Cincinnati OH

NIOSH - Registry of toxic effects of chemical substances

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX'S - Dangerous properties of industrial materials

GESTIS - Database on hazardous substances - Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (IFA, Institute for Occupational Safety and Health of the German Social Accident Insurance)

Toxnet - Toxicology Data Network

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

### REACH Information

According to our legal obligation we implement the Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). We will adjust and update our safety data sheets on a regular base in accordance with the information of our upstream-suppliers. As usual we will inform you about the adjustments.

Regarding to the REACH regulation we would like to point out that DAW as a downstream user will not register on behalf of our company. We will rely on information from our suppliers. As soon as new information is available our safety data sheets will be amended accordingly. This will be put into practice depending on the register-deadline of the substances involved during the transition period from December 1, 2010 till May 31, 2018.

DE / EN



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Indeko-plus Basis 1

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : Indeko-plus Basis 1

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-  
stance/Mixture : Water-borne coatings

Recommended restrictions : within adequate application - none on use

#### 1.3 Details of the supplier of the safety data sheet

Company : Caparol Farben Lacke GmbH  
Roßdörfer Straße 50  
64372 Ober-Ramstadt

Telephone : +496154710  
Telefax : +49615471222  
E-mail address Responsible/issuing person : msds@dr-rmi.com

#### 1.4 Emergency telephone number

Emergency telephone number 1 : +49615471202

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

Precautionary statements : P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.

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### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ensure good ventilation during use and drying. Do not eat, drink or smoke while using the product. In case of contact with eyes or skin, immediately and thoroughly rinse with water. Do not allow product to enter drains, waterways or soil. Clean utensils immediately after use with soap and water.

Use P2 dust filter for grinding.

When spraying, use face mask with particle filter P2 against spray dust.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Emulsion paint, emission-free and solvent-free

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Silicic acid, potassium salt	1312-76-1 215-199-1 01-2119456888-17	Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335	>= 1 - < 10
Substances with a workplace exposure limit :			
titanium dioxide	13463-67-7 236-675-5 01-2119489379-17		>= 20 - < 30
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	14807-96-6 238-877-9 01-2120140278-58		>= 1 - < 10
Kieselguhr, soda ash flux-calcined	68855-54-9 272-489-0 21-2119488518-22		>= 1 - < 10

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice : First aider needs to protect himself.  
Move out of dangerous area.  
If you feel unwell, seek medical advice (show the label where possible).  
Never give anything by mouth to an unconscious person.

If inhaled : Move to fresh air.

In case of skin contact : In case of contact, immediately flush skin with soap and plenty of water.  
Do NOT use solvents or thinners.

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- In case of eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/ attention.
- If swallowed : If swallowed, DO NOT induce vomiting.  
Clean mouth with water and drink afterwards plenty of water.  
Seek medical advice.

### 4.2 Most important symptoms and effects, both acute and delayed

None known.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No information available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Unsuitable extinguishing media : None known.

### 5.2 Special hazards arising from the substance or mixture

- Specific hazards during fire-fighting : In case of fire hazardous decomposition products may be produced such as:  
Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

### 5.3 Advice for firefighters

- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.
- Further information : The product itself does not burn.  
Standard procedure for chemical fires.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions : Do not get in eyes, on skin, or on clothing.  
Material can create slippery conditions.  
Use protective shoes or boots with rough rubber sole.

### 6.2 Environmental precautions

- Environmental precautions : Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform

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respective authorities.  
Prevent further leakage or spillage if safe to do so.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For disposal considerations see section 13., For personal protection see section 8., For further information see Section 7 of the safety data sheet.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : No special technical protective measures required.  
For personal protection see section 8.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands before eating, drinking, or smoking.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store at room temperature in the original container. To maintain product quality, do not store in heat or direct sunlight. Perishable if frozen.

Advice on common storage : Keep away from oxidizing agents and strongly acid or alkaline materials.

Storage class (TRGS 510) : 12, Non Combustible Liquids

### 7.3 Specific end use(s)

Specific use(s) : Please follow the technical information.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
titanium dioxide	13463-67-7	AGW (Inhalable fraction)	10 mg/m <sup>3</sup> (Titanium dioxide)	DE TRGS 900
Peak-limit: excursion factor (category)	2;(II)			
Further information	General dust value. For this substance no specific occupational exposure limit value is established, since the AGS does not yet have information regarding			

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	unspecific action on the respiratory organs in excess of the normal values., Commission for dangerous substances, Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission).			
		AGW (Alveolate fraction)	1,25 mg/m <sup>3</sup> (Titanium dioxide)	DE TRGS 900
Peak-limit: excursion factor (category)	2;(II)			
Further information	General dust value. For this substance no specific occupational exposure limit value is established, since the AGS does not yet have information regarding unspecific action on the respiratory organs in excess of the normal values., Commission for dangerous substances, Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission).			
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	14807-96-6	AGW (Inhalable fraction)	10 mg/m <sup>3</sup>	DE TRGS 900
Peak-limit: excursion factor (category)	2;(II)			
Further information	General dust value. For this substance no specific occupational exposure limit value is established, since the AGS does not yet have information regarding unspecific action on the respiratory organs in excess of the normal values., Commission for dangerous substances, Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission).			
		AGW (Alveolate fraction)	1,25 mg/m <sup>3</sup>	DE TRGS 900
Peak-limit: excursion factor (category)	2;(II)			
Further information	General dust value. For this substance no specific occupational exposure limit value is established, since the AGS does not yet have information regarding unspecific action on the respiratory organs in excess of the normal values., Commission for dangerous substances, Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission).			
Kieselguhr, soda ash flux-calcined	68855-54-9	AGW (Alveolate fraction)	0,3 mg/m <sup>3</sup>	DE TRGS 900
Further information	Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission)., Diatomeous earth can, depending on its origin, contain quartz. The calcining of silica leads to a higher content of cristobalite, activated silica can contain up to 60 vol.% cristobalite. In examining the exposure to (calcined) silica both the amorphous part (limit value for diatomeous earth resp. calcined silica) and the total of the cristobalite and quartz content (carcinogenic according to TRGS 906) should be established., When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			

## 8.2 Exposure controls

### Personal protective equipment

Eye protection : Always wear eye protection when the potential for inadvertent eye contact with the product cannot be excluded.

German trade association rules - BGR 192 Eye protection

Hand protection

Material : Nitrile rubber  
Glove thickness : 0,2 mm

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Protective index	:	Class 2
Remarks	:	Wear suitable gloves tested to EN374. Before removing gloves clean them with soap and water.
Skin and body protection	:	Long sleeved clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place. Skin should be washed after contact.
Respiratory protection	:	No personal respiratory protective equipment normally required. When spraying, use face mask with particle filter P2 against spray dust.  No personal respiratory protective equipment normally required. When spraying, use face mask with particle filter P2 against spray dust.  German trade association rules - BGR 190 Breathing protection

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	:	liquid
Colour	:	No data available
Odour	:	No data available
Odour Threshold	:	Not relevant
pH	:	11,4
Melting point/freezing point	:	not determined
Boiling point/boiling range	:	not determined
Flash point	:	not determined
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	The product is not flammable.
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	not determined
Vapour pressure	:	not determined

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Relative vapour density	:	not determined
Relative density	:	not determined
Density	:	1,4800 g/cm <sup>3</sup>
Solubility(ies)		
Water solubility	:	completely miscible
Partition coefficient: n-octanol/water	:	not determined
Auto-ignition temperature	:	not determined
Decomposition temperature	:	Not applicable
Viscosity		
Viscosity, dynamic	:	No data available
Explosive properties	:	Not applicable
Oxidizing properties	:	Not applicable

### 9.2 Other information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

### 10.4 Conditions to avoid

Conditions to avoid : Protect from frost, heat and sunlight.

### 10.5 Incompatible materials

Materials to avoid : Incompatible with oxidizing agents.  
Incompatible with acids and bases.

### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

###### Product:

Acute oral toxicity : Remarks: Based on available data, the classification criteria are not met.

Acute inhalation toxicity : Remarks: Based on available data, the classification criteria are not met.

Acute dermal toxicity : Remarks: Based on available data, the classification criteria are not met.

##### Skin corrosion/irritation

###### Product:

Remarks : Based on OECD test 431 this product is not classified as skin corrosive/skin irritant.  
Information given is based on tests on products of similar composition.

##### Serious eye damage/eye irritation

###### Product:

Remarks : According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

##### Respiratory or skin sensitisation

###### Product:

Remarks : No data available

##### Further information

###### Product:

Remarks : Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

#### 12.1 Toxicity

###### Product:

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available



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### 12.2 Persistence and degradability

**Product:**

Biodegradability : Remarks: No data available

### 12.3 Bioaccumulative potential

**Product:**

Bioaccumulation : Remarks: No data available

### 12.4 Mobility in soil

**Product:**

Mobility : Remarks: No data available

Stability in soil : Remarks: No data available

### 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

### 12.6 Other adverse effects

**Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : .

Waste should not be disposed of via wastewater.

Contaminated packaging : Only completely emptied containers should be given for recycling.

Waste Code : used product  
080112, waste paint and varnish other than those mentioned  
in 08 01 11\*

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## SECTION 14: Transport information

### 14.1 UN number

Not regulated as a dangerous good

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### 14.2 UN proper shipping name

Not regulated as a dangerous good

### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

### 14.4 Packing group

Not regulated as a dangerous good

### 14.5 Environmental hazards

Not regulated as a dangerous good

### 14.6 Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.  
see sections 6-8

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : This product is a mixture and does not contain Substances of Very High Concern (SVHC) equal or above 0.1%. Therefore no advised uses have to be defined and no chemical safety assessment has to be generated.

REACH - List of substances subject to authorisation (Annex XIV) : None

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.  
Not applicable

Water contaminating class (Germany) : 1 slightly water endangering  
Classification according to AwSV, Annex 1 (5.2)

Product code for laquers and paints / Giscode : M-DF01 Water-based paints, solvent-free

. : BSW10 Coating materials, water-based, low preservative content

Volatile organic compounds : Directive 2004/42/EC  
< 0.1 %  
< 1 g/l

### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

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### SECTION 16: Other information

#### Full text of H-Statements

H315 : Causes skin irritation.  
H319 : Causes serious eye irritation.  
H335 : May cause respiratory irritation.

#### Full text of other abbreviations

Eye Irrit. : Eye irritation  
Skin Irrit. : Skin irritation  
STOT SE : Specific target organ toxicity - single exposure  
DE TRGS 900 : Germany. TRGS 900 - Occupational exposure limit values.  
DE TRGS 900 / AGW : Time Weighted Average

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

#### Further information

##### Other information:

No exposure scenario communication is required for this product according to REACH Regulation No. 1907/2006 EC.

Communication of Uses is not required in accordance with REACH Article 31(1)(a) - registered substances / mixtures do not meet the criteria for classification as hazardous in accordance with Regulations 1272/2008 EC or 1999/45/EC.

#### Sources of key data used to compile the Safety Data Sheet:

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Threshold Limit Values (TLVs) for chemical substances and physical agents and Biological Exposure Indices (BEIs) with Seventh Edition documentation. 2014 ACGIH, Cincinnati OH

NIOSH - Registry of toxic effects of chemical substances

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX'S - Dangerous properties of industrial materials

GESTIS - Database on hazardous substances - Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (IFA, Institute for Occupational Safety and Health of the German Social Accident Insurance)

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1.5	17.08.2018	18.08.2018	Date of first issue: 26.01.2016

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

### REACH Information

According to our legal obligation we implement the Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). We will adjust and update our safety data sheets on a regular base in accordance with the information of our upstream-suppliers. As usual we will inform you about the adjustments.

Regarding to the REACH regulation we would like to point out that DAW as a downstream user will not register on behalf of our company. We will rely on information from our suppliers. As soon as new information is available our safety data sheets will be amended accordingly. This will be put into practice depending on the register-deadline of the substances involved during the transition period from December 1, 2010 till May 31, 2018.

DE / EN



## Indeko-plus Basis 2

Version 4.0

Revision Date 19.12.2016

Print Date 20.12.2016

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : Indeko-plus Basis 2

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-  
stance/Mixture : Coating material

Recommended restrictions : within adequate application - none  
on use

#### 1.3 Details of the supplier of the safety data sheet

Company : Caparol Farben Lacke GmbH  
Roßdörfer Straße 50  
64372 Ober-Ramstadt  
Telephone : +496154710  
Telefax : +49615471222  
E-mail address Responsible/issuing person : msds@dr-rmi.com

#### 1.4 Emergency telephone number

Emergency telephone number 1 : +49615471202

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

Precautionary statements : P102 Keep out of reach of children.

##### Additional Labelling

EUH210 Safety data sheet available on request.

**EUH208** Contains 1,2-benzisothiazol-3(2H)-one, mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1), 2-methyl-2H-isothiazol-3-one. **May produce an allergic reaction.**

# SAFETY DATA SHEET

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### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ensure good ventilation during use and drying. Do not eat, drink or smoke while using the product. In case of contact with eyes or skin, immediately and thoroughly rinse with water. Do not allow product to enter drains, waterways or soil. Clean utensils immediately after use with soap and water., Do not breathe spray dust. Use A2/P2 combination filter for paint spraying.

---

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Emulsion paint, emission-free and solvent-free

#### Hazardous components

Remarks : No hazardous ingredients

---

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice : No hazards which require special first aid measures.

If inhaled : Move to fresh air.

In case of skin contact : Wash skin thoroughly with soap and water or use recognized skin cleanser.  
Do NOT use solvents or thinners.

In case of eye contact : Remove contact lenses.  
Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.  
Seek medical advice.

If swallowed : If swallowed, DO NOT induce vomiting.  
Clean mouth with water and drink afterwards plenty of water.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

Risks : No information available.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No information available.

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according to Regulation (EC) No. 1907/2006, (EC) 2015/830

## Indeko-plus Basis 2

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : In case of fire hazardous decomposition products may be produced such as:  
Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

#### 5.3 Advice for firefighters

Special protective equipment for firefighters : Use personal protective equipment. Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Standard procedure for chemical fires.

---

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid contact with skin and eyes.  
Material can create slippery conditions.  
Use protective shoes or boots with rough rubber sole.  
Refer to protective measures listed in sections 7 and 8.  
Treat recovered material as described in the section "Disposal considerations".

#### 6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.  
Prevent further leakage or spillage if safe to do so.

#### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For disposal considerations see section 13.

---

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Advice on safe handling : No special technical protective measures required.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.

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Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : Provide adequate ventilation. Avoid contact with the skin and the eyes. Wash hands before eating, drinking, or smoking. Wash hands before breaks and at the end of workday.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Containers which are opened must be carefully resealed and kept upright to prevent leakage. To maintain product quality, do not store in heat or direct sunlight. Store at room temperature. Perishable if frozen.

Advice on common storage : Keep away from oxidizing agents and strongly acid or alkaline materials.

Storage class (TRGS 510) : 12, Non Combustible Liquids

### 7.3 Specific end use(s)

Specific use(s) : Please follow the technical information of the manufacturer.

---

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Personal protective equipment

Eye protection : Safety glasses  
German trade association rules - BGR 192 Eye protection

Hand protection

Material : Nitrile rubber

Glove thickness : 0,2 mm

Protective index : Class 3

Remarks : Wear suitable gloves tested to EN374.  
Before removing gloves clean them with soap and water.

Skin and body protection : Protective clothing

Respiratory protection : No personal respiratory protective equipment normally required.

Protective measures : No special protective equipment required.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : pigmented

Odour : not determined

Odour Threshold : Not relevant



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## Indeko-plus Basis 2

Version 4.0

Revision Date 19.12.2016

Print Date 20.12.2016

pH	:	No data available
Melting point/freezing point	:	ca. 0 °C
Boiling point/boiling range	:	100 °C
Flash point	:	Not applicable Other information: Does not sustain combustion.
Evaporation rate	:	Not applicable
Upper explosion limit	:	not determined
Lower explosion limit	:	not determined
Vapour pressure	:	ca. 23 hPa
Relative vapour density	:	not determined
Relative density	:	not determined
Density	:	1,4200 g/cm <sup>3</sup>
Solubility(ies) Water solubility	:	insoluble
Partition coefficient: n- octanol/water	:	not determined
Auto-ignition temperature	:	not determined
Decomposition temperature	:	Not applicable
Flow time	:	not determined
Explosive properties	:	Not applicable
Oxidizing properties	:	Not applicable

### 9.2 Other information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under recommended storage conditions.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if used as directed.

### 10.4 Conditions to avoid

Conditions to avoid : Protect from frost.  
Extremes of temperature and direct sunlight.

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according to Regulation (EC) No. 1907/2006, (EC) 2015/830

## Indeko-plus Basis 2

Version 4.0

Revision Date 19.12.2016

Print Date 20.12.2016

### 10.5 Incompatible materials

Materials to avoid : Incompatible with oxidizing agents.  
Incompatible with acids and bases.

### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Skin corrosion/irritation

**Product:**

Remarks: According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

#### Serious eye damage/eye irritation

**Product:**

Remarks: According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

#### Respiratory or skin sensitisation

**Product:**

Remarks: Repeated contact may cause allergic reactions in very susceptible persons.

#### Further information

**Product:**

Remarks: No data available

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## SECTION 12: Ecological information

### 12.1 Toxicity

**Product:**

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

### 12.2 Persistence and degradability

**Product:**

Biodegradability : Remarks: No data available

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## Indeko-plus Basis 2

Version 4.0

Revision Date 19.12.2016

Print Date 20.12.2016

### 12.3 Bioaccumulative potential

**Product:**

Bioaccumulation : Remarks: No data available

### 12.4 Mobility in soil

**Product:**

Mobility : Remarks: No data available

### 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

### 12.6 Other adverse effects

**Product:**

Additional ecological information : There is no data available for this product. Information given is based on data on the components and the ecotoxicology of similar products.

---

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

- Product : Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local authorities.  
In Germany: Dispose containers with residues of liquid product via waste collection point accepting old paints and enamels. Dispose dried/hardened product residues as construction site/demolition/municipal or domestic waste.
- Contaminated packaging : Only completely emptied containers should be given for recycling.
- Waste Code : used product  
080112, waste paint and varnish other than those mentioned in 08 01 11

---

## SECTION 14: Transport information

### 14.1 UN number

Not regulated as a dangerous good

### 14.2 UN proper shipping name

Not regulated as a dangerous good

### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

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according to Regulation (EC) No. 1907/2006, (EC) 2015/830

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### 14.4 Packing group

Not regulated as a dangerous good

### 14.5 Environmental hazards

Not regulated as a dangerous good

### 14.6 Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.  
see sections 6-8

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.  
Not applicable

Water contaminating class : 1 slightly water endangering  
(Germany) Classification according to AwSV, Annex 1 (5.2)

Product code for laquers and : M-DF01 Water-based paints, solvent-free  
paints / Giscode

Volatile organic compounds : Directive 2004/42/EC  
< 0.1 %  
< 1 g/l

### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

## SECTION 16: Other information

### Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECS - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

Other information : **No exposure scenario communication is required for this product according to REACH Regulation No. 1907/2006 EC.**

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This product is a mixture and does not contain Substances of Very High Concern (SVHC) equal or above 0.1%. Therefore no advised uses have to be defined and no chemical safety assessment has to be generated.

Communication of Uses is not required in accordance with REACH Article 31(1)(a) - registered substances / mixtures do not meet the criteria for classification as hazardous in accordance with Regulations 1272/2008 EC or 1999/45/EC.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

### REACH Information

According to our legal obligation we implement the Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). We will adjust and update our safety data sheets on a regular base in accordance with the information of our upstream-suppliers. As usual we will inform you about the adjustments.

Regarding to the REACH regulation we would like to point out that DAW as a downstream user will not register on behalf of our company. We will rely on information from our suppliers. As soon as new information is available our safety data sheets will be amended accordingly. This will be put into practice depending on the register-deadline of the substances involved during the transition period from December 1, 2010 till May 31, 2018.

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# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, (EC) 2015/830



## Indeko-plus Basis 3

Version 3.0

Revision Date 02.02.2017

Print Date 07.02.2017

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : Indeko-plus Basis 3

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-  
stance/Mixture : Coating material

Recommended restrictions : within adequate application - none  
on use

#### 1.3 Details of the supplier of the safety data sheet

Company : Caparol Farben Lacke GmbH  
Roßdörfer Straße 50  
64372 Ober-Ramstadt  
Telephone : +496154710  
Telefax : +49615471222  
E-mail address Responsible/issuing person : msds@dr-rmi.com

#### 1.4 Emergency telephone number

Emergency telephone number 1 : +49615471202

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

Precautionary statements : P102 Keep out of reach of children.

##### Additional Labelling

EUH210 Safety data sheet available on request.

**EUH208** Contains 1,2-benzisothiazol-3(2H)-one, mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1), 2-methyl-2H-isothiazol-3-one. **May produce an allergic reaction.**

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, (EC) 2015/830

## Indeko-plus Basis 3

Version 3.0

Revision Date 02.02.2017

Print Date 07.02.2017

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ensure good ventilation during use and drying. Do not eat, drink or smoke while using the product. In case of contact with eyes or skin, immediately and thoroughly rinse with water. Do not allow product to enter drains, waterways or soil. Clean utensils immediately after use with soap and water., Do not breathe spray dust. Use A2/P2 combination filter for paint spraying.

---

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Emulsion paint, emission-free and solvent-free

#### Hazardous components

Remarks : No hazardous ingredients

---

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice : No hazards which require special first aid measures.

If inhaled : Move to fresh air.

In case of skin contact : Wash skin thoroughly with soap and water or use recognized skin cleanser.  
Do NOT use solvents or thinners.

In case of eye contact : Remove contact lenses.  
Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.  
Seek medical advice.

If swallowed : If swallowed, DO NOT induce vomiting.  
Clean mouth with water and drink afterwards plenty of water.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

Risks : No information available.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No information available.

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according to Regulation (EC) No. 1907/2006, (EC) 2015/830

## Indeko-plus Basis 3

Version 3.0

Revision Date 02.02.2017

Print Date 07.02.2017

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : In case of fire hazardous decomposition products may be produced such as:  
Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

#### 5.3 Advice for firefighters

Special protective equipment for firefighters : Use personal protective equipment. Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Standard procedure for chemical fires.

---

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid contact with skin and eyes.  
Material can create slippery conditions.  
Use protective shoes or boots with rough rubber sole.  
Refer to protective measures listed in sections 7 and 8.  
Treat recovered material as described in the section "Disposal considerations".

#### 6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.  
Prevent further leakage or spillage if safe to do so.

#### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For disposal considerations see section 13.

---

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Advice on safe handling : No special technical protective measures required.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.



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Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : Provide adequate ventilation. Avoid contact with the skin and the eyes. Wash hands before eating, drinking, or smoking. Wash hands before breaks and at the end of workday.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Containers which are opened must be carefully resealed and kept upright to prevent leakage. To maintain product quality, do not store in heat or direct sunlight. Store at room temperature. Perishable if frozen.

Advice on common storage : Keep away from oxidizing agents and strongly acid or alkaline materials.

Storage class (TRGS 510) : 12, Non Combustible Liquids

### 7.3 Specific end use(s)

Specific use(s) : Please follow the technical information of the manufacturer.

---

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Personal protective equipment

Eye protection : Safety glasses  
German trade association rules - BGR 192 Eye protection

#### Hand protection

Material : Nitrile rubber  
Glove thickness : 0,2 mm  
Protective index : Class 3  
Remarks : Wear suitable gloves tested to EN374.  
Before removing gloves clean them with soap and water.

Skin and body protection : Protective clothing

Respiratory protection : No personal respiratory protective equipment normally required.

Protective measures : No special protective equipment required.

---

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : pigmented

Odour : not determined

Odour Threshold : Not relevant

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pH	:	not determined
Melting point/freezing point	:	ca. 0 °C
Boiling point/boiling range	:	ca. 100 °C
Flash point	:	Not applicable
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	Does not sustain combustion.
Upper explosion limit	:	not determined
Lower explosion limit	:	not determined
Vapour pressure	:	ca. 23 hPa
Relative vapour density	:	not determined
Relative density	:	not determined
Density	:	1,3300 g/cm <sup>3</sup>
Solubility(ies)		
Water solubility	:	completely miscible
Partition coefficient: n-octanol/water	:	not determined
Auto-ignition temperature	:	not determined
Decomposition temperature	:	Not applicable
Flow time	:	not determined
Explosive properties	:	Not applicable
Oxidizing properties	:	Not applicable

### 9.2 Other information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under recommended storage conditions.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if used as directed.

### 10.4 Conditions to avoid

Conditions to avoid : Protect from frost.

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according to Regulation (EC) No. 1907/2006, (EC) 2015/830

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Extremes of temperature and direct sunlight.

### 10.5 Incompatible materials

Materials to avoid : Incompatible with oxidizing agents.  
Incompatible with acids and bases.

### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

---

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Skin corrosion/irritation

**Product:**

Remarks: According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

#### Serious eye damage/eye irritation

**Product:**

Remarks: According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

#### Respiratory or skin sensitisation

**Product:**

Remarks: Repeated contact may cause allergic reactions in very susceptible persons.

#### Further information

**Product:**

Remarks: No data available

---

## SECTION 12: Ecological information

### 12.1 Toxicity

**Product:**

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

### 12.2 Persistence and degradability

**Product:**

Biodegradability : Remarks: No data available

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, (EC) 2015/830

## Indeko-plus Basis 3

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Revision Date 02.02.2017

Print Date 07.02.2017

### 12.3 Bioaccumulative potential

**Product:**

Bioaccumulation : Remarks: No data available

### 12.4 Mobility in soil

**Product:**

Mobility : Remarks: No data available

### 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

### 12.6 Other adverse effects

**Product:**

Additional ecological information : There is no data available for this product. Information given is based on data on the components and the ecotoxicology of similar products.

---

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

- Product : Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local authorities.  
In Germany: Dispose containers with residues of liquid product via waste collection point accepting old paints and enamels. Dispose dried/hardened product residues as construction site/demolition/municipal or domestic waste.
- Contaminated packaging : Only completely emptied containers should be given for recycling.
- Waste Code : used product  
080112, waste paint and varnish other than those mentioned in 08 01 11

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## SECTION 14: Transport information

### 14.1 UN number

Not regulated as a dangerous good

### 14.2 UN proper shipping name

Not regulated as a dangerous good

### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

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according to Regulation (EC) No. 1907/2006, (EC) 2015/830

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### 14.4 Packing group

Not regulated as a dangerous good

### 14.5 Environmental hazards

Not regulated as a dangerous good

### 14.6 Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.  
see sections 6-8

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.  
Not applicable

Water contaminating class : 1 slightly water endangering  
(Germany) Classification according to AwSV, Annex 1 (5.2)

Product code for laquers and : M-DF01 Water-based paints, solvent-free  
paints / Giscode

. : BSW20 Coating materials, water-based

Volatile organic compounds : Directive 2004/42/EC  
< 0.1 %  
< 1 g/l

### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

## SECTION 16: Other information

### Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

Other information : No exposure scenario communication is required for this

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### **product according to REACH Regulation No. 1907/2006 EC.**

This product is a mixture and does not contain Substances of Very High Concern (SVHC) equal or above 0.1%. Therefore no advised uses have to be defined and no chemical safety assessment has to be generated.

Communication of Uses is not required in accordance with REACH Article 31(1)(a) - registered substances / mixtures do not meet the criteria for classification as hazardous in accordance with Regulations 1272/2008 EC or 1999/45/EC.

### **No exposure scenario communication is required for this product according to REACH Regulation No. 1907/2006 EC.**

This product is a mixture and does not contain Substances of Very High Concern (SVHC) equal or above 0.1%. Therefore no advised uses have to be defined and no chemical safety assessment has to be generated.

Communication of Uses is not required in accordance with REACH Article 31(1)(a) - registered substances / mixtures do not meet the criteria for classification as hazardous in accordance with Regulations 1272/2008 EC or 1999/45/EC.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

### **REACH Information**

According to our legal obligation we implement the Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). We will adjust and update our safety data sheets on a regular base in accordance with the information of our upstream-suppliers. As usual we will inform you about the adjustments.

Regarding to the REACH regulation we would like to point out that DAW as a downstream user will not register on behalf of our company. We will rely on information from our suppliers. As soon as new information is available our safety data sheets will be amended accordingly. This will be put into practice depending on the register-deadline of the substances involved during the transition period from December 1, 2010 till May 31, 2018.

DE / EN

# Indeko-plus



## Technical data

Specific use(s)	Water-borne coatings
Density	1,50 g/cm <sup>3</sup>
Wet-scrub	Class 1, complies with abrasion resistance in accordance with DIN 53778
Contrast ratio	Class 1 (in accordance with DIN EN 13300)
Consumption	125 ml/m <sup>2</sup>
Gloss level	Dull matt (in accordance with DIN EN 13300)

## Components

Product Code/GISCODE	M-DF01
Declaration of ingredients	Emulsion paint, emission-free and solvent-free
preservatives	not contained
VOC content in accordance with Directive 2004/42/EC	0 %
VOC content LEED [less water]	< 1 g/l
Solvent and plasticiser-free in accordance with VdL- RL 01	yes
Water-dilutable in accordance with 2004/42/EC (Decopaint)	yes
Lead, cadmium, chromium VI * (* not contained in the formulation)	not contained

## Environmental labels

AgBB approval	passed
EPD available	yes
TüV/WKI	yes
Complies with the VOC requirements in accordance with	RAL-UZ 102

**Building certifications**

Suitability for DGNB criteria ENV 1.2 (2012) "Risks for the Local Environment"

No.	Application site	Product type	QS 1	QS 2	QS 3	QS 4
	Liquid coatings on primarily mineral undercoats, such as concrete, masonry, mortar, filler, plaster, wallpaper, fleece or plasterboard. Floor space and thoroughfares such as underground car parks, access roads, etc are not taken into account.	Decorative paints, decorative fillers, dust-binding coatings, floor coverings without special resistance requirements, concrete protection coatings	yes	yes	yes	yes
	Factory-coated components, e.g. façade elements, doors, radiators, etc. Galvanising is not considered coating under this criterion.	Primer and top coating (e.g. paints, varnishes)	yes	yes	yes	yes

Suitability for use in accordance with LEED

Category (IEQ4.2 - 2009)

flat topcoat

VOC limit

50 g/l

Limit fulfilled

yes

Category (IEQ4.2 - 2009)

flat topcoat with colorant added at the point-of-sale

VOC limit

100 g/l

Limit fulfilled

yes

Recycling share

not contained

Production site

DAW SE

Roßdörfer Straße 50

DE-64372 Ober-Ramstadt



# Definition of Application Areas

Classification of interior and exterior surfaces according to varying climatic stress for choosing suitable paints and coating materials.



## Product Description

Field of Application

Exterior and interior surfaces are subjected to varying climatic stress, according to conditions on site and intended use. This has to be considered for choosing suitable coating materials and systems. In some cases it is not accurate enough to divide products only in two classes (exterior/interior use). Particularly in the interiors a wide range of different loads in varying intensity may appear, e.g. caused by changing temperatures, water vapour or condensation.

In normal living spaces, for instance, the room climate usually is constant and non-critical, but can be completely different in production halls or large-scale catering establishments. In all cases the application areas are defined as being interior rooms.

This Technical Information defines 5 different application areas, depending on the climatic conditions on site and the intended use. By means of exact descriptions and listed examples the construction to be coated can easily be classified.

The suitability of each Caparol product for the particular field of application is specified in a special Technical Information.

The classification enables a safe choice of products for varying conditions related to exterior and interior room climate.

Material Properties

### Classification of Application Areas

Application Areas		
	Description	Examples
<b>Interior 1</b>	Heated interior spaces with predominantly constant temperatures and normal climatic conditions.	Residences, schools, offices, showrooms, rooms within hotels, special-care homes or healthcare facilities.
<b>Interior 2</b>	Interior spaces/rooms with an occasionally higher air moisture (relative humidity), but without constant forming of condensation water on the surface.	Basement garages, private bathrooms/shower rooms and rooms of similar use, working areas and utility rooms, storage depots and workshops, uninhabited cellar rooms.
<b>Interior 3</b>	Closed, unheated, ventilated interior spaces and heated interior rooms with a permanently higher relative humidity and occasional loads of splash water. Walls and ceilings with a surface temperature temporarily below the dew point.	Canteen kitchens, lavatories, production halls with high water vapour loads, walls and ceilings of indoor swimming pools without permanent loads of splash water, cold rooms.
<b>Exterior 1</b>	Exterior surfaces, not subjected to direct weathering, but stressed by occasionally occurring condensation water or frost-dew loads.	Bottom views (soffits) of balconies, recessed balconies, ceilings of open parking decks, walls and ceilings of passage undergrounds, roofed and protected entrance areas.
<b>Exterior 2</b>	Exterior surfaces subjected to direct weathering.	Conventional façades of buildings, walls and other exterior surfaces, suitable for being coated.

The suitability of Caparol products for the particular application area is indicated in a table within the relevant Technical Information. The following three classes of suitability are possible:

- inapplicable
- o of limited suitability
- + suitable

Class (o) „of limited suitability“ allows the use when special requirements are given on site. Please request our technical assistance (advice), if necessary.

**Explanation:**

Resistance against moisture, varying temperatures and frost-dew cycles is essential for the durability of a coating. Even when a surface is not subjected to water loads by rainfall water may occur due to condensate when the dew point is reached or exceeded on the surface. The durability of usual paint materials is not noticeably influenced when this condition is only occasional and for a limited period, as for e.g. interior surfaces in kitchen or bathrooms without splash water loads (Application Area: Interior 2). However, in special situations the moisture of condensed water can affect the surface at regular intervals and over a longer period. This may happen in production halls with a high moisture or in other damp locations (Interior 3). In these cases it is advisable to use coating materials with a higher resistance to moisture loads. A similar moisture situation may also appear on surfaces that are supposed to be dry, for example ceilings of open parking decks (Exterior 1). In most cases the construction is made of concrete and reinforcing steel. When the construction cools down during the night and then has contact with warm air by day, condensed water can occur on the surface and may deteriorate unsuitable coating materials.

All these criteria are considered by the classification of Caparol products into individual application areas for choosing the suitable product.

## Application

Note

- The appropriate structural protection of component parts (construction elements) must always be guaranteed and has to be sound/intact.
- The suitability of each product for the relative application area applies only for durability of the coating under predominant climatic conditions. Further feasible influences, e.g. soiling, chemical loads, algal or fungal (microbiocidal) attack etc., are not considered and have to be estimated according to the relevant current Technical Information.
- Due to their ingredients façade paints with content of a preservative against deterioration in the coating film against fungal and algal attack are not classified in the classes Interior 1 + 2, even if their climatic durability is given.
- The use of solvent-based paints, enamels and glazes is usually possible in the interiors, but may lead to an unpleasant odour. Hence these products are classified as (o) of limited suitability for interior use (Interior 1, 2, 3).
- The classifications of application areas do not include areas with extremely high loads caused by permanent water condensation and splash water loads such as shower cubicles, steam saunas, sides of the pool/pool edges of indoor swimming pools. In these cases special coating products are required. Please request for special advice, if necessary.

## Advice

Technical Assistance

As it is impossible to list herein the wide variety of substrates and their specific problems, please request our technical assistance in case of queries. We will describe appropriate working methods, if a substrate not specified above is to be coated.

Customer Service Centre

Tel.: (+49) 0 61 54 / 71 17 10  
 Fax: (+49) 0 61 54 / 71 17 11  
 e-mail: kundenservicecenter@caparol.de

International Distribution: Please see [www.caparol.com](http://www.caparol.com)