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

<b>1.1 Product identifier</b> Trade name	:	Indeko-plus
1.2 Relevant identified uses of	the s	ubstance or mixture and uses advised against
Use of the Sub- stance/Mixture		Water-borne coatings
Recommended restrictions on use	:	within adequate application - none
1.3 Details of the supplier of the	safety	v data sheet
Company		Caparol Farben Lacke GmbH Roßdörfer Straße 50 64372 Ober-Ramstadt
Telephone	:	+496154710
Telefax	:	+4961547170222
E-mail address Responsi- ble/issuing person	:	msds@dr-rmi.com
1.4 Emergency telephone		
Emergency telephone 1	:	+49613284463 GBK GmbH

## **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

#### Labeling (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.

#### **Additional Labeling**

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.



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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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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

### **SECTION 3: Composition/information on ingredients**

#### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
titanium dioxide; [in powder form containing 1 % or more of parti- cles with aerodynamic diameter ≤ 10 μm]	13463-67-7 236-675-5 022-006-00-2 01-2119489379-17	Carc. 2; H351	>= 10 - < 20
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
		specific concentration limit Skin Irrit. 2; H315 >= 40 % Eye Irrit. 2; H319 >= 40 % STOT SE 3; H335 >= 75 %	
Substances with a workplace expo	sure limit :		
silicon dioxide	7631-86-9 231-545-4 01-2119379499-16, 01-2120105300-82		>= 1 - < 10
Talc (Mg3H2(SiO3)4)	14807-96-6 238-877-9 01-2120140278-58		>= 1 - < 10



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alumin	iium oxide	1344-28-1 215-691-6 01-2119529 01-2119817	,	0

For explanation of abbreviations see section 16.

### **SECTION 4: First aid measures**

#### 4.1 Description of first-aid measures

General advice	:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Move out of dangerous area. First aider needs to protect himself.
If inhaled	:	Move to fresh air.
In case of skin contact	:	Do NOT use solvents or thinners. In case of contact, immediately flush skin with soap and plenty of water.
In case of eye contact	:	If eye irritation persists: Get medical advice/ attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If swallowed	:	Seek medical advice. Clean mouth with water and drink afterwards plenty of water. If swallowed, DO NOT induce vomiting.

#### **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 water spray, alcohol-resistant foam, dry chemical or car- bon dioxide. Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Do not use a solid water stream as it may scatter and spread fire.



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Uns	suitable extinguishing dia	:	None known.		
5.2 Spe	cial hazards arising from	the	e substance or mi	xture	
Specific hazards during fire fighting		:	produced such as	ardous decomposition products may be :: , carbon dioxide and unburned hydrocar-	
5.3 Adv	ice for firefighters				
Special protective equipment for fire-fighters		:	Wear self-contain essary.	ed breathing apparatus for firefighting if nec-	
Fur	ther information	:	Standard procedu The product itself	re for chemical fires. does not burn.	

#### **SECTION 6: Accidental release measures**

6.1 Personal precautions, protective equipment and emergency procedures   Personal precautions :   Use protective shoes or boots with rough rubber sole.   Material can create slippery conditions.   Do not get in eyes, on skin, or on clothing.					
6.2 Environmental precautions					
Environmental precautions :	Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities. Do not flush into surface water or sanitary sewer system.				
6.3 Methods and material for containment and cleaning up					
Methods for cleaning up :	Keep in suitable, closed containers for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).				

#### 6.4 Reference to other sections

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

### **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.



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			No special techni	cal protective measures required.		
				rrent technical information for this product on www.caparol.com must be observed.		
Hygiene measures		:	drink or smoke w	re eating, drinking, or smoking. Do not eat, nen using this product. Remove contaminat- rotective equipment before entering eating		
7.2 Condit	ions for safe storage,	inc	luding any incom	patibilities		
	rements for storage and containers	:	in heat or direct s original container	en. To maintain product quality, do not store unlight. Store at room temperature in the . Containers which are opened must be care- l kept upright to prevent leakage.		
Advice	e on common storage	:	Keep away from materials.	oxidizing agents and strongly acid or alkaline		
Storaç	e class (TRGS 510)	:	12, Non Combus	tible Liquids		
7.3 Specifi	c end use(s)					
Specif	ic use(s)	:	This information i	s not available.		

## **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; [in powder form con- taining 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7	AGW (Inhalable fraction)	10 mg/m3 (Titanium dioxide)	DE TRGS 900			
	Peak-limit cat	Peak-limit category: 2;(II)					
		AGW (Alveolate 1,25 mg/m3 DE TRGS					
		fraction)	(Titanium dioxide)	900			
	Peak-limit cat	egory: 2;(II)					
silicon dioxide	7631-86-9	TWA (Respirable	0,1 mg/m3	2004/37/EC			
		dust)					
	Further inform	Further information: Carcinogens or mutagens					
		AGW (Inhalable	4 mg/m3	DE TRGS			
		fraction)	(Silica)	900			



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		tolerance valu phous silica, silica (precipi	ues, there is no risk including pyrogenic tated silica, silicagel)	s compliance with the of harming the unborn silica and in wet proce )., Senate commission ous for the health (MA	n child, Colloidal amo esses manufactured n for the review of co	
Talc		14807-96-6	AGW (Inhalable	10 mg/m3	DE TRGS	
	H2(SiO3)4)		fraction)	i o mg/mo	900	
(		Peak-limit cat	/			
		work place da dangerous su occupational	angerous for the hea ibstances, General c exposure limit value tion regarding unspe	nission for the review Ith (MAK-commission dust value. For this su is established, since cific action on the res	n)., Commission for ubstance no specific the AGS does not ye	
			AGW (Alveolate	1,25 mg/m3	DE TRGS	
			fraction)	1,20 mg/mo	900	
		Peak-limit cat	/			
		occupational	exposure limit value tion regarding unspe	dust value. For this su is established, since cific action on the res	the AGS does not ye	
alumi	nium oxide	1344-28-1	AGW (Inhalable fraction)	10 mg/m3	DE TRGS 900	
		Peak-limit cat	tegory: 2;(II)	1		
		work place da dangerous su occupational	angerous for the hea ibstances, General o exposure limit value tion regarding unspe	nission for the review Ith (MAK-commission Just value. For this su is established, since crific action on the res	n)., Commission for ubstance no specific the AGS does not ye	
			AGW (Alveolate fraction)	1,25 mg/m3	DE TRGS 900	
		Peak-limit cat		•		
		Further information: Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission)., Commission for dangerous substances, General dust value. For this substance no specific occupational exposure limit value is established, since the AGS does not ye have information regarding unspecific action on the respiratory organs in excess of the normal values.				

## Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Routes of expo- sure	Potential health ef- fects	Value
titanium dioxide; [in powder form contain- ing 1 % or more of particles with aerody-	Consumers	Ingestion	Long-term systemic effects	700,00 mg/kg bw/day



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namic µm]	diameter ≤ 10				
		Workers	Inhalation	Long-term local ef- fects	10,00 mg/n
Kaolin	, calcined	Workers	Inhalation	Acute systemic ef- fects	3,00 mg/m3
		Workers	Inhalation	Acute local effects	3,00 mg/m3
		Workers	Inhalation	Long-term systemic effects	3,00 mg/m3
		Workers	Inhalation	Long-term local ef- fects	3,00 mg/m3
Silicic salt	acid, potassium	Consumers	Inhalation	Long-term systemic effects	1,38 mg/m3
		Consumers	Ingestion	Long-term systemic effects	0,74 mg/kg bw/day
		Consumers	Skin contact	Long-term systemic effects	0,74 mg/kg bw/day
		Workers	Inhalation	Long-term systemic effects	5,61 mg/m3
		Workers	Skin contact	Long-term systemic effects	1,49 mg/kg bw/day
alumir	nium oxide	Consumers	Ingestion	Long-term systemic effects	6,58 mg/kg bw/day
		Consumers	Ingestion	Long-term systemic effects	3,29 mg/kg bw/day
		Workers	Inhalation	Long-term systemic effects	15,63 mg/m
		Workers	Inhalation	Long-term local ef- fects	15,63 mg/m
		Workers	Inhalation	Long-term local ef- fects	15,63 mg/m

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
titanium dioxide; [in powder form containing 1 % or more of parti- cles with aerodynamic diameter ≤ 10 µm]	Sewage treatment plant	100 mg/l
	Fresh water	0,184 mg/l
	Soil	100 mg/kg dry weight (d.w.)
	Sea water	0,0184 mg/l
	Fresh water sediment	1000 mg/kg dry weight (d.w.)
	Sea sediment	100 mg/kg dry weight (d.w.)
	Intermittent use/release	0,193 mg/l
Kaolin, calcined	Intermittent use/release	25 mg/l
	Fresh water	4,1 mg/l



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			Sea water	ut alout	0,41 mg/l		
Ciliaia	a a i di mata a a i uma a a lt		Sewage treatme	nt plant	1400 mg/l		
SIIICIC	acid, potassium salt		Sea water		1 mg/l		
			Intermittent use/	elease	7,5 mg/l		
				nt plant	7,5 mg/l 348 mg/l		
alumi	nium oxide		Sewage treatme Sewage treatme		20 mg/l		
aium			Fresh water		74,9 µg/l		
8.2 Expos	sure controls				µ9/1		
Perso	onal protective equip	ment					
Eye p	protection	:		protection when the poter ne product cannot be exc			
			German trade ass	ociation rules - BGR 192	Eye protection		
			Goggles				
	protection aterial		Nitrile rubber				
	ove thickness	:	0,2 mm				
	otective index	÷	Class 3				
		-					
Re	emarks	:	Wear suitable glov	loves clean them with so res tested to EN374. ociation leaflet: Carry glo			
Skin a	and body protection	:	: Safety shoes Long sleeved clothing				
				ection according to the ar angerous substance at th			
			Skin should be wa	shed after contact.			
Resp	iratory protection	:	German trade ass tion	ociation rules - BGR 190	Breathing protec-		
			No personal respir quired.	atory protective equipme	ent normally re-		
			When spraying, us spray dust.	se face mask with particle	e filter P2 against		



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## **SECTION 9: Physical and chemical properties**

#### 9.1 Information on basic physical and chemical properties

Physical state	:	• •
Color	:	No data available
Odor	:	No data available
Melting point/freezing point	:	ca. 0 °C
Boiling point/boiling range	:	ca. 100 °C
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	not determined
Flash point	:	Not applicable
Autoignition temperature	:	not determined
Decomposition temperature	:	Not applicable
рН	:	11,4 Concentration: 100 %
Viscosity Viscosity, dynamic	:	No data available
Solubility(ies) Water solubility	:	completely miscible
Partition coefficient: n- octanol/water	:	not determined
Vapor pressure	:	ca. 23,4 hPa
Density	:	1,5000 g/cm3
Relative vapor density	:	not determined
<b>9.2 Other information</b> Explosives	:	Not applicable
Oxidizing properties	:	Not applicable



### Indeko-plus Version Revision Date: Print Date Date of last issue: 07.02.2022 2.2 09.09.2022 13.09.2022 Date of first issue: 15.11.2019 Flammability (liquids) The product is not flammable. 2 **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. 1 **10.5** Incompatible materials Materials to avoid : Incompatible with acids and bases. Incompatible with oxidizing agents. **10.6 Hazardous decomposition products** No decomposition if stored and applied as directed. **SECTION 11: Toxicological information** 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 Acute toxicity Not classified based on available information. **Components:** silicon dioxide: Acute oral toxicity : LD50 Oral (Rat): 10.000 mg/kg

### Skin corrosion/irritation

Not classified based on available information.

#### Product:

Remarks	corrosive/sk	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.



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#### Serious eye damage/eye irritation

Not classified based on available information.

#### Respiratory or skin sensitization

#### Skin sensitization

Not classified based on available information.

#### Respiratory sensitization

Not classified based on available information.

#### Germ cell mutagenicity

Not classified based on available information.

#### Carcinogenicity

Not classified based on available information.

#### **Reproductive toxicity**

Not classified based on available information.

#### STOT-single exposure

Not classified based on available information.

#### STOT-repeated exposure

Not classified based on available information.

## Not classified based on available information.

Aspiration toxicity

#### 11.2 Information on other hazards

#### Endocrine disrupting properties

#### Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### **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

No data available

#### **12.3 Bioaccumulative potential** No data available

## 12.4 Mobility in soil

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 Endocrine disrupting properties**

#### Product:

Assessment	: The substance/mixture does not contain components consid- ered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### 12.7 Other adverse effects

Product:

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

### **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 recy- cling.
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 or ID 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

#### 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.

#### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

#### **SECTION 15: Regulatory information**

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

l e			
	REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)	:	Not applicable
	REACH - Candidate List of Substances of Very High Concern for Authorization (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 gener- ated.
	Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	:	Not applicable
	Regulation (EU) 2019/1021 on persistent organic pollu- tants (recast)	:	Not applicable
	REACH - List of substances subject to authorisation (Annex XIV)	:	None



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Seveso III: Directive 2012/18/E pean Parliament and of the Co control of major-accident hazar dangerous substances.	uncil on the	Not applicable
Water hazard class (Germa- ny)	<b>.</b> .	endangering ng to AwSV, Annex 1 (5.2)
Product code for laquers and paints / Giscode	: M-DF01 Water-based	l paints, solvent-free
	: BSW10 Coating mate content	erials, water-based, low preservative
Volatile organic compounds	: Directive 2004/42/EC < 0.1 % < 1 g/l	

#### Other regulations:

Take note of Law on the protection of mothers at work, in education and in studies (Maternity Protection Act - MuSchG).

#### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this mixture.

#### **SECTION 16: Other information**

Full text of H-Statements		
H315	:	Causes skin irritation.
H319	:	Causes serious eye irritation.
H335	:	May cause respiratory irritation.
H351	:	Suspected of causing cancer if inhaled.
Full text of other abbreviation	ons	
Carc.	:	Carcinogenicity
Eye Irrit.	:	Eye irritation
Skin Irrit.	:	Skin irritation
STOT SE	:	Specific target organ toxicity - single exposure
2004/37/EC	:	Europe. Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work
DE TRGS 900	:	Germany. TRGS 900 - Occupational exposure limit values.
2004/37/EC / TWA	:	Long term exposure limit
DE TRGS 900 / AGW	:	Time Weighted Average



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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; AIIC - Australian Inventory of Industrial Chemicals; 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 % 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 Code for the Constructration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concenritation to 50 % of a test population; ICD - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; NOELR - No Observable Effect Loading Rate; NZIOC - New Zealand Inventory of Chemicals; OECD - No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; NEACH - Regulations concerning the International Carriage of Dangerous Goods by Rai; SADT - Self-Accelarting Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance; TSCA - Toxic Substances Control Act (United States); UN - United Nations;

#### 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 Material 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

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.



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#### **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.

DE / EN