

## **Raumfarbe KF**

Version	Revision Date:	SDS Number:	Date of last issue: 29.10.2024
2.2	14.07.2025	6025357	Date of first issue: 02.07.2021

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

<b>1.1 Product identifier</b> Trade name	:	Raumfarbe KF
1.2 Relevant identified uses of the	າe s	substance 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	saf	ety data sheet
Company	:	Alpina Farben GmbH Roßdörfer Straße 50 64372 OBER RAMSTADT
Telephone	:	+498001238887
Telefax	:	+4961547170632
Website E-mail address Responsi- ble/issuing person	:	www.alpina-farben.de 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

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

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

## **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.

Keep out of reach of children.

Wear safety goggles.

During spray application: Do not breathe spray dust. Use A2/P2 combination filter for paint spraying.

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.

Only completely emptied containers should be given for recycling.

Dispose of liquid material residues at the collection point for old paints/varnishes, dispose of dried material residues as construction and demolition waste or as municipal waste or household waste.

If the base paint or a wall paint is toned using a pigment paste or toning paste that does not conform to the requirements of the Blue Angel, the toned paint no longer complies with the criteria for the Blue Angel

For further technical information and advice for allergy sufferers, call +49 (0) 800/1238887.

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

## 3.2 Mixtures

Chemical nature : Emulsion paint, aqueous

## Components

Chemical name	CAS-No.	Classification	Concentration
	EC-No.		(% w/w)
	Index-No.		
	Registration number		
titanium dioxide	13463-67-7		>= 1 - < 10
	236-675-5		
	01-2119489379-17		

For explanation of abbreviations see section 16.

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## **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.
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 hydrocar- bons (smoke).



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## 5.3 Advice for firefighters

Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus for firefighting if nec- essary.
Further information	:	Standard procedure for chemical fires. The product itself 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 contai	nment 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. No special technical protective measures required.	
Hygiene measures	: Wash hands before eating, drinking, or smoking. Do not drink or smoke when using this product. Remove contam ed clothing and protective equipment before entering eat areas.	ninat-

## 7.2 Conditions for safe storage, including any incompatibilities

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



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Advic	e on common storage	: Keep away fr materials.	om oxidizing agents and strongly acid or alkaline
Stora	ge class (TRGS 510)	: 12	
-	f <b>ic end use(s)</b> fic use(s)	: This informat	ion is 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	13463-67-7	MAK (measured as the alveolate fraction)	0,3 mg/m3	DE DFG MAK			
	Peak-limit cat	egory: 8; II					
	that are consi can be derive	Further information: Substances that cause cancer in humans or animals or that are considered to be carcinogenic for humans and for which a MAK va can be derived., Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed					
		AGW (Inhalable fraction)	10 mg/m3 (Titanium dioxide)	DE TRGS 900			
	Peak-limit category: 2;(II)						
			s compliance with the OEL ar	nd biological			
	tolerance valu	ies, there is no risk c	of harming the unborn child				
		AGW (Alveolate fraction)	1,25 mg/m3 (Titanium dioxide)	DE TRGS 900			
	Peak-limit cat	egory: 2;(II)					
	Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child						
		BM (Alveolar dust fraction)	0,5 mg/m3	DE TRGS 527			

## 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
		Sule	16013	
titanium dioxide	Consumers	Ingestion	Long-term systemic effects	700,00 mg/kg bw/day
	Workers	Inhalation	Long-term local ef-	10,00 mg/m3
			fects	_

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

Substance name	Environmental Compartment	Value
titanium dioxide	Sewage treatment plant	100 mg/l
	Fresh water	0,184 mg/l

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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			Soil		100 mg/kg dry weight (d.w.)
			Sea water		0,0184 mg/l
			Fresh water see	diment	1000 mg/kg dry weight (d.w.)
			Sea sediment		100 mg/kg dry weight (d.w.)
			Intermittent use	/release	0,193 mg/l
2 Expos	sure controls				
Perso	onal protective equip	ment			
Eye/fa	ace protection	:		protection when the po the product cannot be e	
			DGUV Regulatio	n 112-192 - Use of eye	and face protection
Ma Gl	protection aterial ove thickness otective index	:	Nitrile rubber 0,2 mm Class 3		
Re	emarks	:	Wear suitable glo	gloves clean them with oves tested to EN374. n 112-195 - Use of prot	
Skin a	and body protection	:	Safety shoes Long sleeved clo	thing	
				tection according to the dangerous substance a	
			Skin should be w	ashed after contact.	
Resp	iratory protection	:	No personal resp quired.	piratory protective equip	ment normally re-
			When spraying, u spray dust.	use face mask with part	icle filter P2 against
			DGUV Regulatio	n 112-190 - Use of brea	thing equipment

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

## 9.1 Information on basic physical and chemical properties

Physical state : liquid

Color



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	Odor		:	characteristic	
	Melting	point/freezing point	:	ca. 0 °C	
	Boiling	point/boiling range	:	ca. 100 °C	
		explosion limit / Upper bility limit	:	not determined	
		explosion limit / Lower bility limit	:	not determined	
	Flash p	oint	:	Not applicable	
	Autoign	ition temperature	:	not determined	
	Decom	position temperature	:	Not applicable	
	рН		:	> 11,4 (20 °C) Concentration: 1 Method: DIN EN	00 % ISO 19396-1:2020-05
	Viscosi Visc	ty cosity, dynamic	:	> 100 mPa.s (20 Method: ISO 321	
	Visc	osity, kinematic	:	not determined	
	Flow tir	ne	:	not determined	
	Solubili Wat	ty(ies) er solubility	:	completely misci	ble
	Partition octanol	n coefficient: n- /water	:	not determined	
	Vapor p	pressure	:	ca. 23,4 hPa (20	°C)



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Dens	ity	: 1,55 g/cm3 Method: DII	(20 °C) N EN ISO 2811-1
Bulk	density	: Not applica	ble
Relat	tive vapor density	: not determi	ned
9.2 Other	information		
Explo	osives	: Not applica	ble
Oxidi	zing properties	: Not applica	ble
Flam	mability (liquids)	: The produc	t is not flammable.
SECTION	N 10: Stability and	reactivity	
10.1 Read	-	l and applied as dire	ctod
INO G	ecomposition if stored	and applied as dire	cieu.

## 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.
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## 10.4 Conditions to avoid

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

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## **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.

#### Skin corrosion/irritation

Not classified based on available information.

#### 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

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.

#### Aspiration toxicity

Not classified based on available information.

#### 11.2 Information on other hazards

## **Endocrine disrupting properties**

Not classified based on available information.

#### 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





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(EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## **SECTION 12: Ecological information**

## 12.1 Toxicity

No data available

#### 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 cor ered to have endocrine disrupting properties REACH Article 57(f) or Commission Delega (EU) 2017/2100 or Commission Regulation levels of 0.1% or higher.
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## 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

: Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local, regional, national and international authorities.

Washing water must not be discharged into the sewage system or the environment.



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Conta	minated packaging	: Only complete cling.	ly emptied containers should be given for recy-
Waste	e Code	: used product 080112, waste in 08 01 11*	paint and varnish other than those mentioned

## **SECTION 14: Transport information**

## 14.1 UN number or ID number

	ADN	:	Not regulated as a dangerous good
	ADR	:	Not regulated as a dangerous good
	RID	:	Not regulated as a dangerous good
	IMDG	:	Not regulated as a dangerous good
	ΙΑΤΑ	:	Not regulated as a dangerous good
14.2	2 UN proper shipping name		
	ADN	:	Not regulated as a dangerous good
	ADR	:	Not regulated as a dangerous good
	RID	:	Not regulated as a dangerous good
	IMDG	:	Not regulated as a dangerous good
	ΙΑΤΑ	:	Not regulated as a dangerous good
14.3	3 Transport hazard class(es)		
	ADN	:	Not regulated as a dangerous good
	ADR	:	Not regulated as a dangerous good
	RID	:	Not regulated as a dangerous good
	IMDG	:	Not regulated as a dangerous good
	ΙΑΤΑ	:	Not regulated as a dangerous good
14.4	Packing group		
	ADN	:	Not regulated as a dangerous good
	ADR	:	Not regulated as a dangerous good
	RID	:	Not regulated as a dangerous good
	IMDG	:	Not regulated as a dangerous good
	IATA (Cargo)	:	Not regulated as a dangerous good
	IATA (Passenger)	:	Not regulated as a dangerous good



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Remarks

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## 14.5 Environmental hazards

Not regulated as a dangerous good

## 14.6 Special precautions for user

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.

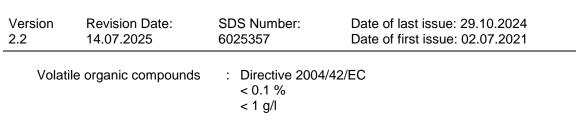
## **SECTION 15: Regulatory information**

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

REACH - Restrictions on the manu the market and use of certain dang mixtures and articles (Annex XVII)	:	Conditions of restriction for the fol- lowing entries should be considered: Number on list 75 If you intend to use this product as tattoo ink, please contact your ven- dor.			
REACH - Candidate List of Substar Concern for Authorization (Article 5		:	None		
Regulation (EU) No 2024/590 on su plete the ozone layer	ubstances that de-	:	Not applicable		
Regulation (EU) 2019/1021 on pers tants (recast)	sistent organic pollu-	:	Not applicable		
REACH - List of substances subjec (Annex XIV)	:	None			
Seveso III: Directive 2012/18/EU of the Euro- pean Parliament and of the Council on the control of major-accident hazards involving dangerous substances.					
	WGK 1 slightly water en Classification according				
. : (	Coating materials, water	r-ba	ased, low preservative content		
	livestock rearing emission and control)	ons	November 2010 on industrial and (integrated pollution prevention s (VOC) content: < 0,01 %		



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## Other regulations:

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

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## **15.2 Chemical Safety Assessment**

A Chemical Safety Assessment is not required for this mixture.

## **SECTION 16: Other information**

#### Full text of H-Statements

#### Full text of other abbreviations

DE DFG MAK	:	Germany. MAK BAT Annex IIa
DE TRGS 527	:	Germany. TRGS 527 - Activities with nanomaterials
DE TRGS 900	:	Germany. TRGS 900 - Occupational exposure limit values.
DE DFG MAK / MAK	:	MAK value
DE TRGS 527 / BM	:	Assessment scale
DE TRGS 900 / AGW	:	Time Weighted Average

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AlIC - 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 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; ICS0 - Half maximal inhibitory concentration; ICAO - International Coil Aviation Organization; IESC - 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 of 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 Locels and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) S

#### 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 Hy- gienists). 2014 TLVs and BEIs. Threshold Limit Values (TLVs)

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



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		Exposure India 2014 ACGIH, 0 NIOSH - Regis ECDIN - Envir work - Joint Re Communities SAX'S - Dange GESTIS - Data Arbeitsschutz o (IFA, Institute f man Social Ac	ubstances and physical agents and Biological ces (BEIs) with Seventh Edition documentation. Cincinnati OH stry of toxic effects of chemical substances onmental Chemicals Data and Information Net- esearch Centre, Commission of the European erous properties of industrial materials abase on hazardous substances - Institut für der Deutschen Gesetzlichen Unfallversicherung for Occupational Safety and Health of the Ger- cident Insurance) ology 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.

## **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