according to Regulation (EC) No. 1907/2006



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

1.1 Product identifier

Trade name : Russ- und Nikotin Isolierfarbe

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

Use of the Sub- : Water-borne coatings

stance/Mixture

Recommended restrictions

on use

: within adequate application - none

1.3 Details of the supplier of the safety data sheet

Company : Alpina Farben GmbH

Roßdörfer Straße 50 64372 Ober-Ramstadt

Telephone : +496154710 Telefax : +4961547170632

E-mail address Responsi-

ble/issuing person

: msds@dr-rmi.com

1.4 Emergency telephone number

Emergency telephone num: +49613284463 GBK GmbH

ber 1

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.

Additional Labelling

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not

according to Regulation (EC) No. 1907/2006



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breathe spray or mist.

EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Emulsion paint, aqueous

Components

Chemical name titanium dioxide	CAS-No. EC-No. Index-No. Registration number 13463-67-7 236-675-5 022-006-00-2 01-2119489379-17	Classification Carc. 2; H351	Concentration (% w/w) >= 10 - < 20
1,2-benzisothiazol-3(2H)-one	2634-33-5 220-120-9 613-088-00-6 01-2120761540-60	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 2; H411 Acute Tox. 2; H330 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	>= 0,025 - < 0,05
Substances with a workplace expo	sure limit :		
Talc (Mg3H2(SiO3)4)	14807-96-6 238-877-9 01-2120140278-58		>= 10 - < 20

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.

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).

according to Regulation (EC) No. 1907/2006



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5.3 Advice for firefighters

Special protective equipment :

for firefighters

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 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.

No special technical protective measures required.

Please follow the technical information.

Hygiene measures : Wash hands before eating, drinking, or smoking. Do not eat,

drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage : Perishable if frozen. To maintain product quality, do not store

according to Regulation (EC) No. 1907/2006



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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.

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) : This information 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	AGW (Inhalable	10 mg/m3	DE TRGS
		fraction)	(Titanium dioxide)	900
	Peak-limit: excursion factor (category): 2;(II)			
		AGW (Alveolate	1,25 mg/m3	DE TRGS
		fraction)	(Titanium dioxide)	900
	Peak-limit: excursion factor (category): 2;(II)			
Talc	14807-96-6	AGW (Inhalable	10 mg/m3	DE TRGS
(Mg3H2(SiO3)4)		fraction)	_	900
	Peak-limit: excursion factor (category): 2;(II)			
	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 yet			
	have information regarding unspecific action on the respiratory organs in ex-			
	cess of the normal values.			
		AGW (Alveolate	1,25 mg/m3	DE TRGS
		fraction)		900
	Peak-limit: excursion factor (category): 2;(II)			
	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 yet			
	have information regarding unspecific action on the respiratory organs in ex-			
	cess of the normal values.			

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

Substance name	End Use	Exposure routes	Potential health ef-	Value
			fects	

according to Regulation (EC) No. 1907/2006



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titanium dioxide	Consumers	Ingestion	Long-term systemic effects	700,00 mg/kg bw/day
	Workers	Inhalation	Long-term local ef- fects	10,00 mg/m3
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
calcium carbonate	Consumers	Ingestion	Long-term systemic effects	6,10 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	10,00 mg/m3
	Consumers	Ingestion	Acute systemic ef- fects	6,10 mg/kg bw/day
	Workers	Inhalation	Long-term systemic effects	10,00 mg/m3
Silicic acid, aluminum sodium salt	Workers	Inhalation	Long-term local ef- fects	4,00 mg/m3

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
	Soil	100 mg/kg dry weight (d.w.)
	Marine water	0,0184 mg/l
	Fresh water sediment	1000 mg/kg dry
		weight (d.w.)
	Marine 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
	Marine water	0,41 mg/l
	Sewage treatment plant	1400 mg/l
calcium carbonate	Sewage treatment plant	100 mg/l

8.2 Exposure controls

Personal protective equipment

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

Goggles

Hand protection

Material : Nitrile rubber

according to Regulation (EC) No. 1907/2006



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Glove thickness : 0,2 mm Protective index : Class 3

Remarks : Before removing gloves clean them with soap and water.

Wear suitable gloves tested to EN374.

German trade association leaflet: Carry gloves (ZH 1/706)

Skin and body protection : Safety shoes

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 re-

quired.

German trade association rules - BGR 190 Breathing protec-

tion

During spray application: Do not breathe spray dust. Use

A2/P2 combination filter for paint spraying.

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 : 8-9

Concentration: 100 %

Melting point/freezing point : not determined

Boiling point/boiling range : not determined

Flash point : Not applicable

Evaporation rate : Not applicable

Upper explosion limit / Upper : not determined

according to Regulation (EC) No. 1907/2006



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flammability limit

Lower explosion limit / Lower : not determined

flammability limit

Vapour pressure not determined

Relative vapour density not determined

Relative density not determined

1,5100 g/cm3 Density

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

Flammability (liquids) The product is not flammable.

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.

according to Regulation (EC) No. 1907/2006



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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.

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.

Components:

1,2-benzisothiazol-3(2H)-one:

Acute oral toxicity : LD50 (Rat): 532 mg/kg

Acute inhalation toxicity : LC50 (Rat): 0,4 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg

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.

according to Regulation (EC) No. 1907/2006



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Respiratory or skin sensitisation

Product:

Remarks Repeated contact may cause allergic reactions in very sus-

ceptible persons.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish Remarks: No data available

aquatic invertebrates

Toxicity to daphnia and other : Remarks: No data available

Components:

1,2-benzisothiazol-3(2H)-one:

Toxicity to fish LC50 (Oncorhynchus mykiss (rainbow trout)): 2,2 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia (water flea)): 3,27 mg/l

Exposure time: 48 h

Method: OECD Test Guideline 202

Toxicity to algae/aquatic

plants

EC50 (Selenastrum capricornutum (green algae)): 0,11 mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

M-Factor (Acute aquatic tox-

icity)

1

M-Factor (Chronic aquatic

toxicity)

: 1

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

according to Regulation (EC) No. 1907/2006



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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 infor-

mation

An environmental hazard cannot be excluded in the event of

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*

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

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 regu-

according to Regulation (EC) No. 1907/2006



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lations.

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 - 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 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 gener-

ated.

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)

slightly water endangering

Classification according to AwSV, Annex 1 (5.2)

paints / Giscode

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

: BSW20 Coating materials, water-based

: Directive 2004/42/EC Volatile organic compounds

> < 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).

according to Regulation (EC) No. 1907/2006



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15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16: Other information

Full text of H-Statements

H302 : Harmful if swallowed. H315 : Causes skin irritation.

H317 : May cause an allergic skin reaction. H318 : Causes serious eye damage.

H330 : Fatal if inhaled.

H351 : Suspected of causing cancer if inhaled.

H400 : Very toxic to aquatic life.

H411 : Toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox. : Acute toxicity

Aquatic Acute : Short-term (acute) aquatic hazard
Aquatic Chronic : Long-term (chronic) aquatic hazard

Carc. : Carcinogenicity
Eye Dam. : Serious eye damage
Skip Irrit : Skip irritation

Skin Irrit. : Skin irritation
Skin Sens. : Skin sensitisation

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; 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 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 Armonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Armonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Armonized System; GLP - Good Laboratory of Existing Chemical Substances in China; IMDG - International Internation; 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 - 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; CECD - Organization for Economic Co-operation and Development;

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.

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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

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