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

1.1 Product identifier Trade name	:	Orbit-Hausfarbe Basis 3
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 s	safety	data sheet
Company		Alligator Farbwerke GmbH Markstraße 203 32130 Enger
Telephone	:	+4952249300
Telefax		+4952247881
E-mail address Responsi- ble/issuing person	:	produktsicherheit@alligator.de
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
Frecautionary Statements	· label	label at hand.
		P102 Keep out of reach of children.

Additional Labeling

EUH208

Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of 5-chloro-2-methyl-2Hisothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.



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2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative tive 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

: Emulsion paint, aqueous

Components

mponents			
Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
quartz (respirable dust) ^[Mx]	14808-60-7 238-878-4 01-2120770509-45	STOT RE 1; H372	>= 1 - < 10
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 specific concentration limit Skin Sens. 1; H317 >= 0,05 %	>= 0,025 - < 0,05
reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one and 2- methyl-2H-isothiazol-3-one (3:1)	55965-84-9 613-167-00-5 01-2120764691-48	Acute Tox. 3; H301 Acute Tox. 2; H330 Acute Tox. 2; H310 Skin Corr. 1C; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317	>= 0,0002 - < 0,0015



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			Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH071
			M-Factor (Acute aquatic toxicity): 100 M-Factor (Chronic aquatic toxicity): 100
			specific concentration limit Skin Corr. 1C; H314 >= 0,6 % Skin Irrit. 2; H315 0,06 - < 0,6 % Eye Irrit. 2; H319 0,06 - < 0,6 % Skin Sens. 1A; H317 >= 0,0015 % Eye Dam. 1; H318 >= 0,6 %
	ances with a workpla		
Quart	z (SiO2)	14808-60-7 238-878-4 01-212077050	>= 20 - < 30
kaolin		1332-58-7 310-194-1	>= 1 - < 10

^{MX}: This substance is integrated into the matrix of our products and will therefore be ignored for classification and labeling of the product.

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.



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In cas	e of skin contact	:	Do NOT use solv In case of contac of water.	ents or thinners. t, immediately flush skin with soap and plenty
In case of eye contact		:	IF IN EYES: Rins	rsists: Get medical advice/ attention. e cautiously with water for several minutes. enses, if present and easy to do. Continue
If swallowed		:		vice. water and drink afterwards plenty of water. 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	e 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).
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.



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SECTION 6: Accidental release measures

6.1 Personal precautions, protec	tive 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 cor	tainment 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. In addition, the current technical information for this product and its application on www.alligator.de/en must be observed. 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 Perishable if frozen. To maintain product quality, do not store Requirements for storage : areas and containers in heat or direct sunlight. Store at room temperature in the original container. Containers which are opened must be carefully 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 1



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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	
Quartz (SiO2)	14808-60-7	TWA (Respirable	0,1 mg/m3	2004/37/EC	
		dust)			
	Further information: Carcinogens or mutagens				
kaolin	1332-58-7	TWA (Respirable	0,1 mg/m3	2004/37/EC	
		dust)			
Further information: Carcinogens or mutagens					
quartz (respirable	14808-60-7	TWA (Respirable	0,1 mg/m3	2004/37/EC	
dust)		dust)			
Further information: Carcinogens or mutagens					

8.2 Exposure controls

Personal protective equipment		
Eye protection	:	German trade association rules - BGR 192 Eye protection
		Goggles
Hand protection Material Glove thickness Protective index	:	Nitrile rubber 0,2 mm 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 con- centration of the dangerous substance at the work place.
		Skin should be washed after contact.
Respiratory protection	:	No personal respiratory protective equipment normally re- quired.



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		German trad tion	e association rules - BGR 190 Breathing protec-
			application: Do not breathe spray dust. Use nation filter for paint spraying.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	:	liquid
Color	:	No data available
Odor	:	No data available
Odor Threshold	:	Not relevant
Melting point/freezing point	:	not determined
Boiling point/boiling range	:	not determined
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	:	8 - 9 Concentration: 100 %
Viscosity Viscosity, dynamic	:	No data available
Solubility(ies) Water solubility	:	completely miscible
Partition coefficient: n- octanol/water	:	not determined
Vapor pressure	:	not determined



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Rel	ative density	: not determined	
Density		: 1,3000 g/cm3	
Relative vapor density		: not determined	
9.2 Other information Explosives		: Not applicable	
Oxidizing properties		: Not applicable	
Fla	mmability (liquids)	: The product is not flammable.	
Eva	poration rate	: Not applicable	

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 re	eactio	ns
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 acids and bases.
		Incompatible with oxidizing agents.
10.6 Hazardous decomposition	prod	ucts

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

Product:

Acute oral toxicity : Rem

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



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Acute inhalation toxicity		:	Remarks: Ba are not met.	sed on available data, the classification criteria	
Acute	dermal toxicity	:	Remarks: Based on available data, the classification criteria are not met.		
<u>Comp</u>	onents:				
1,2-be	enzisothiazol-3(2H)-o	one:			
Acute	oral toxicity	:	LD50 (Rat): 5	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	
reactie (3:1):	on mass of 5-chloro	-2-me	ethyl-2H-isoth	iazol-3-one and 2-methyl-2H-isothiazol-3-one	
Acute	oral toxicity	:	LD50 (Rat): 66 mg/kg Method: OECD Test Guideline 401		
Acute	inhalation toxicity	:	LC50 (Rat): 0,17 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403		
Acute	dermal toxicity	:	LD50 (Rat): > 141 mg/kg Method: OECD Test Guideline 402		
Skin c	orrosion/irritation				
<u>Produ</u>	ict:				
Rema	rks	:	According to the classification criteria of the European Union, the product is not considered as being a skin irritant.		
Seriou	us eye damage/eye i	rritati	on		
Produ	<u>ict:</u>				
Rema	rks	:	: According to the classification criteria of the European Union, the product is not considered as being an eye irritant.		
Respi	ratory or skin sensi	izatio	on		
<u>Produ</u>	<u>ict:</u>				
Rema	rks	:	Repeated co	ntact may cause allergic reactions in very sus-	



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			ceptible pers	sons.		
I.2 Infor	mation on other hazard	ds				
ECTION	12: Ecological info	rma	tion			
2.1 Toxic	city					
Prod	uct:					
Toxic	ity to fish	:	Remarks: No	o data available		
Toxicity to daphnia and other aquatic invertebrates		:	Remarks: No	o data available		
<u>Com</u>	ponents:					
1,2-b	enzisothiazol-3(2H)-on	e:				
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		:	Exposure tin	nia): 3,27 mg/l ne: 48 h CD Test Guideline 202		
Toxicity to algae/aquatic plants		:	Exposure tin	nastrum capricornutum (green algae)): 0,11 mg/ ne: 72 h CD Test Guideline 201		
M-Factor (Acute aquatic tox- : 1 icity)						
	M-Factor (Chronic aquatic toxicity)		1			
react (3:1):		?-m€	thyl-2H-isoth	iazol-3-one and 2-methyl-2H-isothiazol-3-on		
M-Fa icity)	ctor (Acute aquatic tox-	:	: 100			
M-Fa toxicit	ctor (Chronic aquatic ty)	: 100				



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12.3 Bioaccumulative potential

Components:

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one					
(3:1):					
Partition coefficient: n-	1000 Pow = 0.71				

Partition coefficient: n-	:	log Pow: <= 0,71
octanol/water		Method: OECD Test Guideline 117

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

No data available

12.7 Other adverse effects

Product:

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	An any incomparial borand connection available in the event of
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

n : Not applicable
: 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.
: None
Not applicable



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Water hazard class (Germa- ny)		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
	:	BSW20 Coating materials, water-based
Volatile organic compounds		Directive 2004/42/EC < 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

H302 H310 H314 H315 H317 H318 H330 H372 H400 H410 H411 EUH071	Toxic if swallowed. Harmful if swallowed. Fatal in contact with skin. Causes severe skin burns and eye damage. Causes skin irritation. May cause an allergic skin reaction. Causes an allergic skin reaction. Causes serious eye damage. Fatal if inhaled. Causes damage to organs through prolonged or repeated exposure if inhaled. Very toxic to aquatic life. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects. Corrosive to the respiratory tract.
Skin Irrit. :	Acute toxicity Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Serious eye damage Skin corrosion Skin irritation Skin sensitization Specific target organ toxicity - repeated exposure



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2004/37/EC		:	: Europe. Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens	
2004/37/EC / TWA		:	at work Long term expos	ure limit

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 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 Coide for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Corganization; ISC - International Organization; ISC - International Organization; ISG - Lethal Concentration to 50 % of a test population; LDS0 - 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; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemicals Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH -

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

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1.0

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.

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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