

Power-Weiß

Version	Revision Date:	SDS Number:	Date of last issue: 31.01.2024
4.1	05.11.2024	6008388	Date of first issue: 12.12.2019

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

1.1 Product identifier Trade name	:	Power-Weiß
1.2 Relevant identified uses of the	ne 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	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 1 Emergeney telephone		

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; [in powder form	13463-67-7	Carc. 2; H351	>= 1 - < 10
containing 1 % or more of parti-	236-675-5		
cles with aerodynamic diameter ≤	022-006-00-2		
10 µm]	01-2119489379-17		
Silicic acid, potassium salt	1312-76-1	Skin Irrit. 2; H315	>= 1 - < 10
	215-199-1	Eye Irrit. 2; H319	
	01-2119456888-17	STOT SE 3; H335	
		specific concentration	
		limit	
		Skin Irrit. 2; H315	

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



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			>= 40 % Eye Irrit. 2; H319 >= 40 % STOT SE 3; H335 >= 75 %
Subst	tances with a workpla	ce exposure limit :	
Talc ((Mg3H2(SiO3)4)	14807-96-6 238-877-9 01-21201402	78-58

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 carbon dioxide.



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			cumstances and	g measures that are appropriate to local cir- the surrounding environment. d water stream as it may scatter and spread
	Jnsuitable extinguishing nedia	:	None known.	
5.2 S	pecial hazards arising fron	n the	e substance or mi	xture
	Specific hazards during fire ighting	:	produced such as	zardous decomposition products may be s: e, carbon dioxide and unburned hydrocar-
5.3 A	dvice for firefighters			
	Special protective equipment or fire-fighters	:	Wear self-contair essary.	ed breathing apparatus for firefighting if nec-
F	Further information	:	Standard procedu The product itself	ure for chemical fires. does not burn.

SECTION 6: Accidental release measures

6.1 Personal precautions, protect	ctive	e 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	ntaiı	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		

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



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Advice on safe handling		٢	For personal protection see section 8. No special technical protective measures required. Please follow the technical information.	
Hygiene measures		c e	Wash hands before eating, drinking, or smoking. Do not eat, drink or smoke when using this product. Remove contaminat- ed clothing and protective equipment before entering eating areas.	
7.2 Con	ditions for safe storage,	inclue	ding any incom	oatibilities
Re	quirements for storage as and containers	: F ii c	Perishable if froze n heat or direct s priginal 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.
Ad	vice on common storage		Keep away from on the materials.	oxidizing agents and strongly acid or alkaline
Sto	orage class (TRGS 510)	: 1	2	
7.3 Spe	cific end use(s)			
	ecific use(s)	: T	This information is	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	MAK (measured as the alveolate fraction)	0,3 mg/m3	DE DFG MAK	
	Peak-limit cat	egory: 8; II			
	Further information: Substances that cause cancer in humans or animals or that are considered to be carcinogenic for humans and for which a MAK value can be derived., Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed				
		AGW (Inhalable 10 mg/m3 DE TRGS fraction) (Titanium dioxide) 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				
	AGW (Alveolate 1,25 mg/m3 DE TRGS fraction) (Titanium dioxide) 900				

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



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-			nation: When there	is compliance with the OEL ar	nd biological	
		BM (Alveolar 0,5 mg/m3 DE TR dust fraction) 527				
	Talc (Mg3H2(SiO3)4)	14807-96-6	AGW (Inhalable fraction)	10 mg/m3	DE TRGS 900	
			Peak-limit category: 2;(II)			
		Further information: When there is compliance with the OEL and biologica tolerance values, there is no risk of harming the unborn child			nd biological	
			AGW (Alveolate fraction)	1,25 mg/m3	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				

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

	()	<u> </u>	<u> </u>	
Substance name	End Use	Routes of expo- sure	Potential health ef- fects	Value
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
titanium dioxide; [in powder form contain- ing 1 % or more of particles with aerody- namic diameter ≤ 10 µm]	Consumers	Ingestion	Long-term systemic effects	700,00 mg/kg bw/day
	Workers	Inhalation	Long-term local ef- fects	10,00 mg/m3
Silicic acid, potassium salt	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

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

Substance name	Environmental Compartment	Value
Kaolin, calcined	Intermittent use/release	25 mg/l
	Fresh water	4,1 mg/l
	Sea water	0,41 mg/l
Sewage treatment plant		1400 mg/l



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titanium dioxide; [in powder form containing 1 % or more of parti- cles with aerodynamic diameter ≤ 10 μm]		arti-	atment 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 sedime	nt	100 mg/kg dry weight (d.w.)
		Intermittent	use/release	0,193 mg/l
Silicio	c acid, potassium salt	Sea water		1 mg/l
		Intermittent	use/release	7,5 mg/l
		Fresh water		7,5 mg/l
		Sewage trea	atment plant	348 mg/l

8.2 Exposure controls

Personal protective equipment

Eye/face protection :	not required Always wear eye protection when the potential for inadver eye contact with the product cannot be excluded.	
	DGUV Regulation 112-192 - Use of eye and face protection	
	Nitrile rubber 0,2 mm Class 3	
Remarks :	Before removing gloves clean them with soap and water. Wear suitable gloves tested to EN374. DGUV Regulation 112-195 - Use of protective gloves	
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.	
	When spraying, use face mask with particle filter P2 against spray dust.	
	DGUV Regulation 112-190 - Use of breathing equipment	



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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	:	
Color	:	white
Odor	:	characteristic
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 (20 °C) Concentration: 100 % Method: DIN EN ISO 19396-1:2020-05
Viscosity Viscosity, dynamic	:	> 100 mPa.s (20 °C) Method: ISO 3219
Viscosity, kinematic	:	not determined
Flow time	:	not determined
Solubility(ies)		



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W	/ater solubility	:	completely misci	ble
	tion coefficient: n- nol/water	:	not determined	
Vapo	or pressure	:	ca. 23,4 hPa (20	°C)
Dens	sity		1,45 g/cm3 (20 ° Method: DIN EN	
Bulk	density	:	Not applicable	
Rela	tive vapor density	:	not determined	
9.2 Other	[•] information			
	osives	:	Not applicable	
Oxid	izing properties	:	Not applicable	
Flam	mability (liquids)	:	The product is no	ot flammable.

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

	Chemical stability No decomposition if stored and	app	blied as directed.
10.3	Possibility of hazardous reac	tior	าร
	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.

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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.

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.

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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.

Aspiration toxicity

Not classified based on available information.

11.2 Information on other hazards

Endocrine disrupting properties Not classified based on available information.

Product:



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Asses	ssment	ered to have er REACH Article	/mixture does not contain components consid- ndocrine disrupting properties according to 57(f) or Commission Delegated regulation 0 or Commission Regulation (EU) 2018/605 at 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 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.

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

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13.1 Waste treatment methods

Product

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



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		household wa	ste.
		Waste should	not be disposed of via wastewater.
Conta	aminated packaging	: Only complete cling.	ely emptied containers should be given for recy-
Waste	e Code	: used product 080112, waste in 08 01 11*	e 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 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	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



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IATA (Passenger)

: 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

REACH - Restrictions on the man the market and use of certain dan mixtures and articles (Annex XVII	ngerous substances,	:	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 Substa Concern for Authorization (Article		:	None
Regulation (EC) on substances th layer	nat deplete the ozone	:	Not applicable
Regulation (EU) 2019/1021 on pe tants (recast)	ersistent organic pollu-	:	Not applicable
REACH - List of substances subje (Annex XIV)	ect to authorisation	:	None
Seveso III: Directive 2012/18/EU pean Parliament and of the Counc control of major-accident hazards dangerous substances.	cil on the	Not	applicable
Water hazard class (Germa- : ny)	WGK 1 slightly water e		
. :	BSW10 Coating mater content	ials	, water-based, low preservative
Volatile organic compounds :			4 November 2010 on industrial ution prevention and control)

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Volatil	e organic compounds	Volatile organic : Directive 2004/4 < 0.1 % < 1 g/l	compounds (VOC) content: < 0,01 % 2/EC

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

Full lext of H-Statements		
H315 H319 H335 H351	::	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Suspected of causing cancer if inhaled.
Full text of other abbreviatio	ns	
Carc. Eye Irrit. Skin Irrit. STOT SE DE DFG MAK DE TRGS 527 DE TRGS 900 DE DFG MAK / MAK DE TRGS 527 / BM DE TRGS 900 / AGW		Carcinogenicity Eye irritation Skin irritation Specific target organ toxicity - single exposure Germany. MAK BAT Annex IIa Germany. TRGS 527 - Activities with nanomaterials Germany. TRGS 900 - Occupational exposure limit values. MAK value Assessment scale 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 de for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; ICS0 - Half maximal inhibitory concentration; ICAO - International Cavil Aviation Organization; IECSC - Inventry of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Convention for the Prevention of S0% 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 Loading Rate; NZIGC - New Zealand Inventory of Chemicals; CECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Pe

Further information

Other information

No exposure scenario communication is required for this

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		Communication of REACH Article 3 not meet the crite	g to REACH Regulation No. 1907/2006 EC. of Uses is not required in accordance with 1(1)(a) - registered substances / mixtures do eria for classification as hazardous in accord- ations 1272/2008 EC or 1999/45/EC.	
Sources of key data used to compile the Material Safety Data Sheet		gienists). 2014 T for chemical subs Exposure Indices 2014 ACGIH, Cir NIOSH - Registry ECDIN - Environ work - Joint Rese Communities SAX'S - Dangero GESTIS - Databa Arbeitsschutz dei (IFA, Institute for man Social Accid	ACGIH (American Conference of Government Industrial Hy- gienists). 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 Net- work - Joint Research Centre, Commission of the European	

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.

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