

Safety Data Sheet according to Regulation (EC) No 1907/2006 (REACH) for handling Dupla Marin Siliphos

Trade name: Dupla Marin Siliphos Art.no.: 81379 / 81380 / 81381 / 81382

Manufacturer / Supplier: Dohse Aquaristik GmbH & Co. KG - Otto Hahn Str. 9 - D-53501 Grafschaft Gelsdorf - Phone: 02225-94150

Date of issue: 05.12.2017 - Version no.: 4 - Print date: 22.01.19

1 Identification of the substance/preparation and of the company/undertaking	
1.1	Product identifier / Trade name: - Dupla Marin Siliphos
1.2	Item number: 81379 / 81380 / 81381 / 81382
1.3	IUPAC: Iron hydroxide oxide
1.4	CAS number: 20344-49-4
1.5	EINECS / ELINCS: 243-746-4
1.6	Relevant identified use of the substance or Mixture: Adsorbent granulate for binding arsenates, silicates, phosphorus, heavy metals and Hydrogen sulphide.
	Uses, from which are discouraged: None known
1.7 Details of the supplier providing the safety data sheet	
	Name of the company: Dohse Aquaristik GmbH & Co KG Otto Hahn Str. 9 D-53501 County Gelsdorf
	Phone: 02225-94150
	Fax: 02225-946494
	eMail: info@dohse-aquaristik.de
	Informing department
	Technical information: info@dohse-aquaristik.de
	Availability: Mon.-Thurs. 7.30-16.30 Fri. 7.30-13.00
1.8 Emergency number	
	Counselling Centre: +49(0)361-730730 (24h)
2 Possible dangers	
2.1 Classification of the substance or mixture	
	No classification
2.2 Labelling elements	
	Hazard pictograms: None
	Hazard statements: None
2.3 Other hazards	
	Environmental hazards: Contains no PBT or vPvB substances.
	Other dangers: none

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3	Composition/information on the ingredients			
	Product type			
	This product is a fabric.			
	Component:	CAS:	EINECS / ELINCS:	Content [%]:
	Iron hydroxide oxide	20344-49-4	243-746-4	~ 100
	Component commentary:	No hazardous components contained. SVHC list (Candidate List of Substances of Very High Concern for authorisation): Contains none or less than 0.1% of the listed substances. Substance(s) exempted from the obligation to register (Title II) according to Reach Regulation EC 1907/2006 (according to Art. 2(7)(d), or according to Art. 2(7)(b), as compliance with Annex V, point 7) or point 8)		
4	First aid measures			
4.1	Descriptions of the first aid measures			
	General notes:	Change dusty clothes.		
	After inhalation:	Provide fresh air. If symptoms occur, seek medical treatment.		
	After skin contact:	After contact with skin, rinse with soap and water. wash off. If skin irritation persists, consult a doctor.		
	After eye contact:	Rinse gently with water for a few minutes. Remove any contact lenses if possible. Continue rinsing. If eye irritation persists: seek medical advice. seek medical advice/medical assistance.		
	After ingestion:	Seek medical advice immediately.		
4.2	Most important symptoms and effects, both acute and delayed:			
	None known			
4.3	Indications for immediate medical help or special treatment			
	symptomatic treatment			
5	Fire fighting measures			
5.1	Extinguishing agent			
	Suitable extinguishing media:	Product itself does not burn. Extinguishing measures on the Coordinate ambient fire.		
	Unsuitable extinguishing media:	None.		
5.2	Special hazards arising from the substance or mixture			
	None.			
5.3	Fire fighting instructions			
	Use self-contained breathing apparatus. Fire residues and contaminated extinguishing water must be disposed of in accordance with local official regulations.			

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6	Accidental release measures	
6.1	Personal precautions, protective equipment and in emergencies procedures to be followed	
	No special measures required.	
6.2	Environmental protection measures:	
	Do not allow to enter drains/surface waters/groundwater.	
6.3	Methods and material for retention and cleaning	
	Take up mechanically. Avoid dust formation. Dispose of the ingested material in accordance with the regulations.	
6.4	Reference to other sections	
	See sections 8+13	
7	Handling and storage	
7.1	Protective measures for safe handling:	
	Avoid dust formation and dust deposits. Provide suction in case of dust formation. The product is not flammable. Wash hands before breaks and at the end of work. Preventive skin protection with skin protection ointment. Do not eat, drink, smoke or snort at work.	
7.2	Conditions for safe storage taking into account incompatibilities	
	Prevent penetration into the ground safely. Do not store together with food and feed. Store in a dry place.	
	Storage class (TRGS 510)	LGK 13: Non-flammable substances
7.3	Specific end uses	
	See Use of the product, SECTION 1.6	
8	Exposure controls/personal protective equipment	
8.1	Parameters to be monitored	
	Occupational exposure limit values (EN):	Not relevant.
8.2	Exposure controls and monitoring	
	Additional notes on the design of technical installations:	Ensure sufficient ventilation at the workplace. General dust limit value must be observed. (TRGS 900: 10 mg/m ³ (ÜF 2(II)) Inhalable fraction, 1.25 mg/m ³ Alveolar fraction) Measurement methods for carrying out workplace measurements must meet the performance requirements of DIN EN 482. Recommendations are given, for example, in the IFA-Hazardous substances list.
	Eye protection:	Safety goggles. (EN 166:2001)
	Hand protection:	0.4mm butyl rubber, > 120 min (EN 374) The information given is only recommendations. For further Information please contact the glove supplier.
	Body protection:	Protective clothing.
8.6	Other protective measures	
	Avoid contact with eyes and skin. Do not inhale dust. The design of the personal protective equipment shall be Dependence on concentration and quantity specific to the workplace	

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		to be selected. The chemical resistance of the protective agents should be clarified with their suppliers.
	Respiratory protection:	Respiratory protection in case of dust formation. Short-term filter unit, filter P1 (DIN EN 143)
	Thermal hazards:	No.
	Limitation and monitoring of environmental exposure:	Apply appropriate protective measures to protect the environment, to limit or prevent emissions.
9	Physical and chemical properties	
9.1	Information on the basic physical and chemical properties	
	Shape:	Granules.
	Colour:	Red-brown.
	Odour:	Odourless.
	Odour threshold:	inapplicable
	pH value:	inapplicable
	pH value [1%]:	7 - 8
	Initial boiling point/boiling range [°C]:	inapplicable
	Flash point [°C]	inapplicable
	Flammability (solid, gaseous) [°C]:	inapplicable
	Lower flammability or Explosion limit:	inapplicable
	Upper flammability or Explosion limit:	inapplicable
	Oxidising properties:	no
	Vapour pressure [kPa]	inapplicable
	Relative density [g/ml]	Not determined
	Bulk density [kg/m³]:	550 - 700 (90% TS)
	Solubility in water:	practically insoluble
	Partition coefficient [n-Octanol/water]:	Not determined
	Viscosity:	inapplicable
	Vapour density:	inapplicable
	Evaporation-speed:	inapplicable
	Melting point/freezing point [°C]:	Not determined
	Auto-ignition temperature [°C]:	not self-igniting
	Decomposition temperature [°C]	inapplicable
9.2	Other information	
	none	

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10	Stability and reactivity		
10.1	Reactivity		
	None known when used as intended.		
10.2	Chemical stability		
	The product is stable under normal conditions.		
10.3	Possibility of hazardous reactions		
	No dangerous reactions known.		
10.4	Conditions to avoid		
	See SECTION 7.2.		
10.5	Incompatible materials		
	Not relevant		
10.6	Hazardous decomposition products		
	No dangerous decomposition products known.		
11	Toxicological information		
11.1	Information on toxicological effects		
	Acute toxicity		
	Component:	CAS:	LD50, oral, rat:
	Iron hydroxide oxide	20344-49-4	> 10000 mg/kg (IUCLID)
	Serious eye damage/irritation:	Non-irritant.	
	Corrosive/irritant effect on the skin:	Non-irritant.	
	Sensitisation of the Respiratory tract/skin:	Not sensitising.	
	Specific target organ toxicity with a single exposure:	Does not contain a relevant substance that meets the classification criteria. fulfilled.	
	Specific target organ toxicity in case of repeated exposure:	Does not contain a relevant substance that meets the classification criteria. fulfilled.	
	Mutagenicity:	There is no evidence of mutagenic properties.	
	Reproductive toxicity:	There are no indications of fruit-damaging properties.	
	Carcinogenicity:	There is no evidence of carcinogenic properties.	
	Aspiration hazard:	Does not contain a relevant substance that meets the classification criteria. fulfilled.	
	General remarks	none	

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12	Environmental information			
12.1	Toxicity			
	Component:	CAS:	LC0, (48h), Leuciscus idus:	EC0, Pseudomonas fluorescens:
	Iron hydroxide oxide	20344-49-4	> 1000 mg/l (IUCLID).	> 10000 mg/l (IUCLID).
12.2	Persistence and degradability			
	Behaviour in environmental compartments:	Not relevant		
	Behaviour in wastewater treatment plants:	Iron hydroxide oxide adsorbs nutrients, in particular Phosphate.		
	Biodegradability:	inapplicable		
12.3	Bioaccumulative potential			
	inapplicable			
12.4	Mobility in soil			
	inapplicable			
12.5	Results of the PBT and vPvB assessment			
	inapplicable			
12.6	Other adverse effects			
	None known			
13	Notes on disposal			
13.1	Waste treatment process			
	Product residues must be disposed of in compliance with the Waste Directive 2008/98/EC and national and regional regulations. No waste code number according to the European Waste Catalogue (AVV) can be defined for this product, as only the intended use by the consumer allows an allocation. The waste code number is to be determined within the EU in consultation with the consumer. with the disposal company.			
	Product			
	Contact the manufacturer about recycling.			
	AVV-No. (recommended):	060316 Metal oxides other than those mentioned in 060315* fall.		
	Uncleaned packaging			
	Non-contaminated packaging can be recycled.			
	AVV-No. (recommended):	150102 Plastic packaging.		
14	Transport information			
14.1	UN number			
	Land transport according to ADR/RID:	inapplicable		
	Inland navigation (ADN):	inapplicable		
	Sea transport according to IMDG:	inapplicable		
	Air transport according to IATA:	inapplicable		
14.2	UN proper shipping name			
	Land transport according to ADR/RID:	NO DANGEROUS GOODS		
	Inland navigation (ADN):	NO DANGEROUS GOODS		
	Sea transport according to IMDG:	NOT CLASSIFIED AS "DANGEROUS GOODS"		
	Air transport according to IATA:	NOT CLASSIFIED AS "DANGEROUS GOODS"		

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14.3	Transport hazard classes	
	Land transport according to ADR/RID:	inapplicable
	Inland navigation (ADN):	inapplicable
	Sea transport according to IMDG:	inapplicable
	Air transport according to IATA:	inapplicable
14.4	Packing group	
	Land transport according to ADR/RID:	inapplicable
	Inland navigation (ADN):	inapplicable
	Sea transport according to IMDG:	inapplicable
	Air transport according to IATA:	inapplicable
14.5	Environmental hazards	
	Land transport according to ADR/RID:	no
	Inland navigation (ADN):	no
	Sea transport according to IMDG:	no
	Air transport according to IATA:	no
14.6	Special precautions for the user	
	Corresponding information under SECTIONS 6 to 8.	
14.7	Carriage in bulk in accordance with Annex II of the MARPOL Convention and the IBC Code	
	Not relevant	
15	Legislation	
15.1	Regulations on safety, health and environmental protection/specific Legislation for the substance or mixture	
	EU REGULATIONS:	1991/689 (2001/118); 2010/75; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2008/47/EC); (EU) 2015/830; (EU) 2016/131; (EU) 517/2014
	TRANSPORT REGULATIONS:	ADR (2017); IMDG Code (2017, 38th Amdt.); IATA-DGR (2017)
	NATIONAL REGULATIONS (EN):	Hazardous Substances Ordinance - GefStoffV 2016; Federal Water Act - WHG; TRGS: 200, 220, 615, 900, 905.
	Water hazard class:	Not hazardous to water, according to AwSV of 18.04.2017
	Major Accidents Ordinance:	no
	Classification according to TA-Luft:	5.2.3 Dust emissions during transshipment, storage or Machining of solid materials.
	Storage class (TRGS 510):	LGK 13: Non-combustible solids
	Employment-restrictions:	no
	VOC (2010/75/EG):	0%
	Other regulations:	inapplicable
15.2	Chemical Safety Assessment	
	No chemical safety assessment is required for this substance.	

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16	Other information	
16.1	Abbreviations and acronyms	
	ADR:	Accord européen relatif au transport international des marchandises Dangereuses par Route
	RID:	Règlement concernant le transport international ferroviaire de marchandises dangereuses
	ADN:	Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
	AVV:	List of Wastes Ordinance
	ATE:	acute toxicity estimate
	BGI:	Information from the Employer's Liability Insurance Association
	CAS:	Chemical Abstracts Service
	CLP:	Classification, Labelling and Packaging
	DMEL:	Derived Minimum Effect Level
	DNEL:	Derived No Effect Level
	EC50:	Median effective concentration
	ECB:	European Chemicals Bureau
	EEC:	European Economic Community
	EINECS:	European Inventory of Existing Commercial Chemical Substances
	ELINCS:	European List of Notified Chemical Substances
	GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
	IATA:	International Air Transport Association
	IBC code:	International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk
	IC50:	Inhibition concentration, 50%
	IMDG:	International Maritime Code for Dangerous Goods
	UCLID:	International Uniform Chemical Information Database
	LC50:	Lethal concentration, 50%
	LD50:	Median lethal dose
	LC0:	lethal concentration, 0%
	LOAEL:	lowest-observed-adverse-effect level
	LGK:	Storage class
	MARPOL:	International Convention for the Prevention of Marine Pollution from Ships
	NOAEL:	No Observed Adverse Effect Level
	NOEC:	No Observed Effect Concentration
	PBT:	Persistent, Bioaccumulative and Toxic substance
	PNEC:	Predicted No-Effect Concentration
	REACH:	Registration, Evaluation, Authorisation and Restriction of Chemicals
	STP:	Sewage Treatment Plant
	TLV®/TWA:	Threshold limit value - time-weighted average
	TLV®STEL:	Threshold limit value - short-time exposure limit
	TRGS:	Technical rules for hazardous substances
	VOC:	Volatile Organic Compounds
	vPvB:	very Persistent and very Bioaccumulative
	AWSV:	Ordinance on Installations for the Handling of Water-Polluting Fabrics

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16.2	Other information
	Classification procedure
	Changed positions
	SECTION 8 added: Protective measures appropriate for the protection of the environment apply to limit or prevent emissions.
	<p>The information is based on the current state of our knowledge. However, they do not constitute a guarantee of product characteristics and do not establish a legal relationship. The aim is to inform our customers. We are not responsible for and are not in a position to control and monitor the use of the product.</p> <p>The user of this product is obliged to provide all persons who come into contact with the product with the information necessary for occupational safety, environmental protection and health protection in form of this safety data sheet.</p>

End of the document