

in accordance with Regulation (EC) No 1907/2006

(REACH) Trade name: DuplaMarin Basic Ocean Sea Salt 20

KG Art.No.: 81429

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

Version no.: 2 / Revised on: 12.04.2017 / Replaced version: 1 / Created on: 02.04.2015 / Print date: 17/01/2018

1	Identification of the substance/preparation and of the company/undertaking			
1.1	Product identifier			
	Trade name:	DuplaMarin Basic Ocean Sea Salt 20 KG		
	Article no:	81429		
1.2	Relevant identified use of the substance or mixture and use, of which are discouraged			
	Use of the substance / the Mixture :	Salts for marine/reef aquaristics		
	Uses from which is discouraged:	There is no information available on uses of which are discouraged.		
1.3	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		
	Availability	Mon.-Thurs. 7.30-16.30 Fri. 7.30-13.00		
1.4	Emergency number	02225-94150		
2	Possible dangers			
2.1	Classification of the substance or mixture			
	Based on the data available to us, the product is not a hazardous substance in the as defined by the Chemicals Act or the Ordinance on Hazardous Substances and the EU Directives. in the currently valid version			
2.2	Labelling elements			
	The product is not labelled as dangerous according to Regulation (EC) No. 1272/2008			
2.3	Other hazards			
	No information			
3	Composition / information on ingredients			
3.1	Fabrics			
	This product is a mixture of the following ingredients			
3.2.	Mixtures			
	The product is composed of different salts.			
	Ingredients classified as raw materials according to Regulation (EC)No.1272/2008 or Directive 67/548/EEC are classified as dangerous:			
	Ingredient:	Designation:	Salary:	Classification according to regulation (EC)No 1272/2008: :
	EC No: 233-140-8 CAS No.: 10035-04-8	Calcium chloride	< 10%	Eye irritation, Category 2, H319
4	First aid measures			
4.1	Description of the first aid measures			
	General notes:	If symptoms persist, consult a doctor.		
	After inhalation:	Provide fresh air.		

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	After skin contact:	In case of contact with skin, rinse with water.
	After eye contact:	In case of contact with eyes, rinse thoroughly with plenty of water. rinse.
	After ingestion:	Rinse out mouth and drink plenty of water.
4.2	Most important symptoms and effects, both acute and delayed	
	No information available.	
4.3	Indications for immediate medical help or special treatment	
	Symptomatic treatment.	
5	Fire fighting measures	
5.1	Extinguishing agent	
	Suitable extinguishing media:	Adapt extinguishing measures to the surroundings.
	For security reasons unsuitable extinguishing agents:	none
5.2	Special hazards arising from the substance or mixture	
	In the event of a fire, the following can be released become:	Hydrogen chloride (HCl), chlorine gas (Cl ₂), Sulphur oxides
5.3	Advice for firefighters:	
	As with any fire, wear breathing apparatus and protective equipment.	
6	Accidental release measures	
6.1	Personal precautions, protective equipment and in emergencies procedure to be applied:	
	Wear personal protective equipment.	
6.2	Environmental protection measures:	
	Do not allow large quantities to enter drains or watercourses.	
6.3	Methods and material for retention and cleaning:	
	Take up mechanically, dilute residues strongly with water and rinse thoroughly.	
6.4	Reference to other sections:	
	Personal protective equipment see section 8.	
7	Handling and storage	
7.1	Protective measures for safe handling	
	Instructions for safe handling:	No special measures required if used properly. The usual precautions for handling chemicals Precautions must be taken.

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	Notes on fire and Explosion protection:	This mixture is not flammable. Usual measures of the preventive fire protection
	General hygiene measures:	Keep away from food, drink and animal feed. Do not eat, drink or smoke while working. Brush off soiled clothing.
	Further information:	none
7.2	Conditions for safe storage taking into account incompatibilities	
	Requirements for storage rooms and Container:	Store container closed and dry
	Storage in one place:	Do not use together with strong acids and oxidising agents. store.
	Further information on the Storage conditions:	Container closed, protected from light and dry keep.
	Storage class:	13
	Information on storage stability:	Sealed in the original way and stored properly Indefinitely durable.
7.3	Specific end uses	
	Salt for the production of nature-identical seawater.	
8	Exposure controls / Personal protective equipment	
8.1	Parameters to be monitored	
	None	
8.2	Exposure controls and monitoring	
	Suitable technical Control device:	None
	Individual protective measures-personal protective equipment	
	Respiratory protection:	Not necessary with good room ventilation
	Body protection:	In case of prolonged direct exposure, wear gloves that are resistant to the product
	Eye protection:	Do not allow product to get into eyes
	Limitation and monitoring of the Environmental exposure:	No information available
9	Physical and chemical properties	
9.1	Information on the basic physical and chemical properties	
	Shape:	solid (powder)
	Colour:	whitish to greyish
	Odour:	characteristic
	Odour threshold:	No data available

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	pH value:	not available	
	Melting point/melting range:	not available	
	Boiling point/boiling range:	not available	
	Flash point/flame range:	inapplicable	
	Evaporation rate:	not available	
	Flammability:	none	
	Spontaneous combustion:	is not self-igniting	
	Vapour pressure:	not available	
	Vapour density:	not available	
	Density:	not available	
	Water solubility:	soluble	
	Viscosity:	Not determined	
	Decomposition temperature	Not determined	
	Explosive properties:	not explosive	
	Oxidising properties:	Not determined	
9.2	Other information		
	Further information:	No data available	
10	Stability and reactivity		
10.1	Chemical stability		
		Stable under normal conditions	
10.2	Substances to avoid		
		Strong acids	
		Oxidising agent	
		Metals since corrosive	
10.3	Conditions to avoid		
		Thermal decomposition >200°C	
10.4	Incompatible materials		
		Corrosive to metals	
10.5	Hazardous decomposition products		
	With strong acids:	Hydrogen chloride (HCl)	
	With oxidising agents:	Chlorine gas (Cl ₂), sulphur oxides	
	General notes:	When dissolving in water, always add product to the water, never vice versa.	
11	Toxicological information		
11.1	Information on toxicological effects		
		No toxicological findings are available for this mixture	
	Toxicology of the raw material classified as hazardous		
	Acute toxicity		
	Designation:	CAS no.:	EC no.:
	Calcium chloride	10035-04-8	233-140-8

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	LD50 (oral):	1000 mg/kg (rat) (IUCLID) 500- 1000 mg/kg (OECD 401)	
	Dermal LD50:	2630 mg/kg (rat) (IUCLID)	
	Skin irritation:	No irritation (rabbit) (OECD 404)	
	Eye irritation:	Eye irritation (rabbit) (OECD 405)	
	Acute inhalation toxicity		
	Symptoms:	Irritation of the respiratory tract	
	Hint:	The results refer to the anhydrous substance	
	Irritation		
	On the skin:	slight irritant effect possible	
	On the eye:	Irritant effects possible	
	Corrosivity		
	No information available		
	Sensitisation		
	No information available		
	Repeated dose toxicity		
	No information available		
	Carcinogenicity		
	No information available		
	Mutagenicity		
	No information available		
	Reproductive toxicity		
	No information available		
	General remarks		
	The available data are sufficient for a complete industrial toxicological assessment. Assessment not sufficient.		
	The usual regulations for handling chemicals must be observed.		
	Other notes:		
	In connection with moisture, the irritating effect is intensified.		
	Irritation of the internal organs if swallowed.		
	Irritating to nasopharynx with prolonged exposure.		
12	Environmental information		
	Toxicity of the raw material classified as hazardous		
12.1	Toxicity		
	Designation:	CAS no.:	EC no.:
	Calcium chloride	10035-04-8	233-140-8
	EC50/48h:	144 mg/l (daphnia magna) (IUCLID)	
	EC50/120h:	3130 mg/l (algae) (IUCLID)	
	LC50/96h:	10650 mg/l (Sunfish) (IUCLID)	

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12.2	Persistence and degradability	
	Inorganic product; WGK 1; can be removed by biological purification processes. not eliminable from the water	
12.3	Bioaccumulative potential	
	No data available	
12.4	Mobility in soil	
	No information available	
12.5	Results of the determination of PBT and vPvB properties	
	No information available	
12.6	Other adverse effects	
	No information available	
	General notes	
	No ecological problems are to be expected if used properly	
	Behaviour in sewage treatment plants	
	When small concentrations are properly discharged into adapted biological wastewater treatment plants, disturbances of the degradation activity of activated sludge are not to be expected.	
13	Notes on disposal	
13.1	Waste treatment process	
	Treatment of contaminated packs:	Packaging should be cleaned with plenty of water and can then be disposed of in the usual way. become.
	Waste key according to List of Wastes Ordinance:	06 03 14
	Waste name:	solid salts and solutions with the exception of those which are fall under 06 03 11 and 06 03 13
	Recommended cleaning agent:	None
14	Transport information	
14.1	UN number:	
	not applicable	
14.2	UN proper shipping name:	
	not applicable	
14.3	Transport hazard classes:	
	not applicable	
14.4	Packing group:	
	not applicable	

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14.5	Environmental hazards:	
	not applicable	
14.6	Special precautions for the user	
	not applicable	
14.7	Carriage in bulk in accordance with Annex II of MARPOL 73/78; and according to IBC code	
	not applicable	
	Comments	
	No dangerous goods within the meaning of the Ordinance	
	Further information on transport	
	Land transport (ADR/RID/GGVS/GGVE)	
15	Legislation	
15.1	Safety, health and environmental regulations/specific legislation for the substance or mixture	
	not known	
	National regulations - Germany	
	Notes on the Employment restriction:	No information available
	Nuisance Case Ordinance:	Not applicable
	Classification according to VbF:	VbF; not subject to the regulation of combustible Liquids
	TA Luft Remarks:	Not applicable
	Water hazard class:	1 KBws classification
	Other regulations, restrictions and prohibitions	
	No information available	
15.2	Chemical Safety Assessment	
	No Chemical Safety Assessment is required for this mixture.	
16	Other information	
	Notes on labelling:	none
	Hazard statements referred to in sections 2 and 3 According to Regulation (EC)No:1272/2008:	Eye irritant. 2; H319- severe eye irritation Cat. 2; Causes severe eye irritation.
	Recommended use and Limitations:	Preparation (concentrate) for the preparation of seawater for the marine aquaristics
	References and Data sources:	Preparations Directive (1999/45/EC) REACH Regulation (EC) No 1907/2006

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	CLP Regulation (EC) No 1272/2008
	Further information:
	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 user of this product is obliged to inform all persons working with the

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