

**according to Regulation (EC) No 1907/2006**

Trade name: Dupla Plant 24 - 10 ml, 50 ml, 100 ml

Art.no.: 80310 / 80315 / 80700

**Manufacturer:** Dohse Aquaristik GmbH & Co. KG, Otto Hahn Str. 9, D-53501 Grafschaft Gelsdorf, Phone: 02225-94150**Version no.:** 2 / **Created on:** 11.04.2017 / **Revised on:** 08.07.2019 / **Latest version:** 1 **Print date:** 18.03.2020 """"

Changes compared to previous version, n.a. = not applicable, n.v. = not available.

<b>1</b>	<b>Identification of the substance/preparation and of the company/undertaking</b>	
<b>1.1</b>	<b>Product identifier</b>	
	<b>Trade name:</b>	Dupla Plant 24 - 10 ml Dupla Plant 24 - 50 ml Dupla Plant 24 - 100 ml
	<b>Article no:</b>	80310 80315 80700
<b>1.2</b>	<b>Relevant identified use of the substance or mixture and use, of which are discouraged</b>	
	<b>Use of the substance / the Mixture :</b>	Liquid daily fertiliser with iron and trace elements
<b>1.3</b>	<b>Details of the supplier providing the safety data sheet</b>	
	<b>Name of the company:</b>	Dohse Aquaristik GmbH & Co KG Otto Hahn Str. 9 D-53501 County Gelsdorf
	<b>Phone:</b>	02225-94150
	<b>Fax:</b>	02225-946494
	<b>eMail:</b>	<a href="mailto:info@dohse-aquaristik.de">info@dohse-aquaristik.de</a>
	<b>Availability</b>	Mon.-Thurs. 7.30-16.30 Fri. 7.30-13.00
<b>1.4</b>	<b>Emergency number</b>	Tel.: +49 (0) 2225 94 15 0 <b>Accessibility:</b> Mon-Thu: 07:30-16:30 Fri: 07:30-13:00
<b>2</b>	<b>Possible dangers</b>	
<b>2.1</b>	<b>Classification of the substance or mixture</b>	
	Based on the data available to us, the product is not a hazardous substance within the meaning of the Chemicals Act or the Hazardous Substances Ordinance and the EU Directives in the currently valid version. A safety data sheet is provided, which does not fully comply with Article 31 of the Directive. and Annex II of REACH.	
<b>2.2</b>	<b>Labelling elements</b>	
	The product is not labelled as dangerous according to Regulation (EC) No 1272/2008.	
<b>2.3</b>	<b>Other hazards</b>	
	No information	
<b>3</b>	<b>Composition / information on ingredients</b>	
<b>3.1</b>	<b>Fabrics</b>	
	This product is a mixture of the following ingredients	
<b>3.2</b>	<b>Mixtures</b>	
	The product is composed of various salts and water.	
	<b>Ingredients subject to nomination according to Regulation (EC) No 1907/2006:</b>	None

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<b>4</b>	<b>First aid measures</b>	
<b>4.1</b>	<b>Description of the first aid measures</b>	
	<b>General notes:</b>	Consult a doctor if symptoms persist
	<b>After inhalation:</b>	Provide fresh air
	<b>After skin contact:</b>	In case of contact with skin, rinse with water.
	<b>After eye contact:</b>	In case of contact with eyes, rinse thoroughly with plenty of water. rinse
	<b>After ingestion:</b>	Rinse out mouth and drink plenty of water
<b>4.2</b>	<b>Most important symptoms and effects, both acute and delayed</b>	
	No information available	
<b>4.3</b>	<b>Indications for immediate medical help or special treatment</b>	
	<b>Treatment:</b>	Symptomatic treatment.
<b>5</b>	<b>Fire fighting measures</b>	
<b>5.1</b>	<b>Extinguishing agent</b>	
	<b>Suitable extinguishing media:</b>	Coordinate extinguishing measures with the surroundings
	<b>For security reasons unsuitable extinguishing agents:</b>	none
<b>5.2</b>	<b>Special hazards arising from the substance or mixture</b>	
	In case of fire may be released: Carbon oxides, nitrogen oxides	
<b>5.3</b>	<b>Advice for firefighters:</b>	
	As with any fire, wear breathing apparatus and protective equipment	
<b>6</b>	<b>Accidental release measures</b>	
<b>6.1</b>	<b>Personal precautions, protective equipment and in emergencies procedure to be applied:</b>	
	Wear personal protective equipment	
<b>6.2</b>	<b>Environmental protection measures:</b>	
	Do not allow large quantities to enter drains or watercourses.	
<b>6.3</b>	<b>Methods and material for retention and cleaning:</b>	
	Absorb with liquid-binding material (sand, diatomaceous earth, universal binder) and dispose of. dilute residues with water and rinse thoroughly.	
<b>6.4</b>	<b>Reference to other sections:</b>	
	Personal protective equipment see section 8	

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<b>7</b>	<b>Handling and storage</b>	
<b>7.1</b>	<b>Protective measures for safe handling</b>	
	Avoid eye and skin contact	
	The usual precautionary measures when handling chemicals must be observed	
	<b>Notes on fire and Explosion protection:</b>	This mixture is not flammable. Usual measures of the preventive fire protection
	<b>General hygiene measures:</b>	Keep away from food, drink and animal feed. Do not eat, drink or smoke while working. Remove soiled clothing.
<b>7.2</b>	<b>Conditions for safe storage taking into account incompatibilities</b>	
	<b>Requirements for storage rooms and containers:</b>	Store the container closed and protected from light.
	<b>Storage in one place:</b>	No information available
	<b>Further information on the Storage conditions:</b>	Store container tightly closed
	<b>Storage class:</b>	12
	<b>Information on storage stability:</b>	Shelf life in original sealed condition and with proper storage until: See best before date
<b>7.3</b>	<b>Specific end uses</b>	
	Fertiliser with iron and trace elements	
<b>8</b>	<b>Exposure controls / Personal protective equipment</b>	
<b>8.1</b>	<b>Parameters to be monitored</b>	
	None	
<b>8.2</b>	<b>Exposure controls and monitoring</b>	
	<b>Suitable technical control devices</b>	
	None	
	<b>Individual protective measures-personal protective equipment</b>	
	<b>Respiratory protection:</b>	Not required if used properly
	<b>Body protection:</b>	In case of prolonged direct exposure, wear gloves that are are resistant to the product
	<b>Eye protection:</b>	Do not allow product to get into eyes
	<b>Other:</b>	Observe the wearing time limit.
	<b>Limitation and monitoring of environmental exposure:</b>	No information available

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<b>9</b>	<b>Physical and chemical properties</b>	
<b>9.1</b>	<b>Information on the basic physical and chemical properties</b>	
	<b>Shape:</b>	liquid
	<b>Colour:</b>	brownish
	<b>Odour:</b>	characteristic
	<b>Odour threshold:</b>	No data available
	<b>pH - value, undiluted:</b>	not available
	<b>pH value, 1% in water:</b>	not available
	<b>Boiling point / boiling range:</b>	not available
	<b>Flash point:</b>	inapplicable
	<b>Evaporation rate:</b>	not available
	<b>Ignition temperature:</b>	none
	<b>Self-flammability:</b>	is not self-igniting
	<b>Vapour pressure:</b>	not available
	<b>Vapour density:</b>	not available
	<b>Density:</b>	not available
	<b>Solubility (in water):</b>	soluble
	<b>Viscosity:</b>	Not determined
	<b>Decomposition temperature:</b>	Not determined
	<b>Explosive properties:</b>	not explosive
	<b>Oxidising properties:</b>	Not determined
<b>10</b>	<b>Stability and reactivity</b>	
<b>10.1</b>	<b>Reactivity</b>	
	No dangerous reactions known when handled according to specifications.	
<b>10.2</b>	<b>Chemical stability</b>	
	Stable under normal conditions.	
<b>10.3</b>	<b>Possibility of hazardous reactions</b>	
	No information available	
<b>10.4</b>	<b>Conditions to avoid</b>	
	No information available	
<b>10.5</b>	<b>Incompatible materials</b>	
	No information available	
<b>10.6</b>	<b>Hazardous decomposition products</b>	
	Carbon dioxide (CO <sub>2</sub> ), carbon monoxide (CO), nitrogen oxides	

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<b>11</b>	<b>Toxicological information</b>	
<b>11.1</b>	<b>Information on toxicological effects</b>	
	No toxicological findings are available for this mixture	
	<b>Irritation</b>	
	<b>On the skin:</b>	Irritant effect possible
	<b>On the eye:</b>	Irritant effects possible
	<b>Corrosivity</b>	
	No information available	
	<b>Sensitisation</b>	
	No information available	
	<b>Repeated dose toxicity</b>	
	No information available	
	<b>Carcinogenicity</b>	
	No information available	
	<b>Mutagenicity</b>	
	No information available	
	<b>Reproductive toxicity</b>	
	No information available	
	<b>General remarks</b>	
	The available data are not sufficient for a complete industrial toxicological assessment.	
	The usual regulations for handling chemicals must be observed.	
	<b>Other notes:</b>	None
<b>12</b>	<b>Environmental information</b>	
<b>12.1</b>	<b>Toxicity</b>	
	No information available	
<b>12.2</b>	<b>Persistence and degradability</b>	
	This product is a mixture of organic and inorganic components.	
	Inorganic components cannot be removed from the water by biological purification processes. eliminable.	
<b>12.3</b>	<b>Bioaccumulative potential</b>	
	No data available	
<b>12.4</b>	<b>Mobility in soil</b>	
	No information available	
<b>12.5</b>	<b>Results of the determination of PBT and vPvB properties</b>	
	No information available	
<b>12.6</b>	<b>Other adverse effects</b>	
	No information available	
	<b>General notes</b>	
	No ecological problems are to be expected if used properly	
	<b>Behaviour in sewage treatment plants</b>	
	When low concentrations are properly discharged into adapted biological wastewater treatment plants, the following are possible Interference with the degradation activity of activated sludge is not expected.	

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<b>13</b>	<b>Notes on disposal</b>
<b>13.1</b>	<b>Waste treatment process</b>
	<b>Treatment of contaminated packs</b>
	Packaging should be cleaned with plenty of water and can then be disposed of in the usual way. become.
	<b>Proper disposal of the product</b>
	Disposal according to official regulations
	<b>Recommended cleaning agent</b>
	None
<b>14</b>	<b>Transport information</b>
<b>14.1</b>	<b>UN number:</b>
	not applicable
<b>14.2</b>	<b>UN proper shipping name:</b>
	not applicable
<b>14.3</b>	<b>Transport hazard classes:</b>
	not applicable
<b>14.4</b>	<b>Packing group:</b>
	not applicable
<b>14.5</b>	<b>Environmental hazards:</b>
	not applicable
<b>14.6</b>	<b>Special precautions for the user:</b>
	not applicable
<b>14.7</b>	<b>Carriage in bulk in accordance with Annex II of the MARPOL Convention and in accordance with IBC-. Code:</b>
	not applicable
	<b>Comments</b>
	No dangerous goods within the meaning of the Ordinance
	<b>Further information on transport</b>
	Land transport (ADR/RID/GGVS/GGVE)
<b>15</b>	<b>Legislation</b>
<b>15.1</b>	<b>Safety, health and environmental regulations/specific legislation for the substance or mixture</b>
	not known
	<b>National regulations</b>
	<b>Notes on employment restriction</b>
	No information available
	<b>Disturbance Case Ordinance</b>
	Not applicable
	<b>Classification according to VbF</b>
	VbF; not subject to the regulation of flammable liquids
	<b>TA Luft Remarks</b>
	Not applicable
	<b>Water hazard class</b>
	<b>1</b>   KBws rating
	<b>Other regulations, restrictions and prohibitions</b>
	No information available

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<b>16</b>	<b>Other information</b>
	<b>Change from the last version</b>
	General revision
	<b>Recommended use and restrictions</b>
	Liquid preparation (concentrate) for fertilising aquarium plants
	<b>References and data sources</b>
	Safety Data Sheets Raw Materials REACH Regulation (EC) No 1907/2006 CLP Regulation (EC) No 1272/2008
	<b>Further information</b>
	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 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.

End of the document