

**Ink Jet Magenta E-S VP6057**

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Substance key: 000000664445

Revision Date: 03.06.2022

Version : 2 - 3 / EU

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

**1.1. Product identifier**

**Trade name**

**Ink Jet Magenta E-S VP6057**

**Material number:** 302101

**Chemical nature:** C.I. Pigment Red 122

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Relevant identified uses of the substance or mixture**

Industry sector : Techno-chemical industry.

Type of use : Scientific research and development

**1.3. Details of the supplier of the safety data sheet**

**Identification of the company**

Heubach Colorants Germany GmbH

Brüningstraße 50

65929 Frankfurt am Main

Telephone no. : +49 69 305 13619

**Information about the substance/mixture**

Product Stewardship

e-mail: SDS.PI.Europe@clariant.com

**1.4. Emergency telephone number**

00800-5121 5121 (24 h)

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**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)**

Not a hazardous substance or mixture.

**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.

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Dust can form an explosive mixture in air.  
No additional hazards are known except those derived from the labelling.

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**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**Components**

Remarks : No hazardous ingredients

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**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

General advice : Get medical advice/ attention if you feel unwell.

If inhaled : Move the victim to fresh air.  
If you feel unwell, seek medical advice (show the label where possible).

In case of skin contact : IF ON SKIN: Wash with plenty of soap and water.

In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

If swallowed : If swallowed, seek medical advice immediately and show this container or label.

**4.2 Most important symptoms and effects, both acute and delayed**

Risks : None known.

**4.3 Indication of any immediate medical attention and special treatment needed**

Treatment : Treat symptomatically.

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**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

Suitable extinguishing media : Water spray jet  
Foam

Unsuitable extinguishing media : High volume water jet  
Carbon dioxide (CO<sub>2</sub>)  
Dry powder

**5.2 Special hazards arising from the substance or mixture**

Specific hazards during firefighting : In case of fire hazardous decomposition products may be produced such as:  
Carbon oxides  
Nitrogen oxides (NO<sub>x</sub>)

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**5.3 Advice for firefighters**

Special protective equipment : Self-contained breathing apparatus  
for firefighters

Further information : Wear suitable protective equipment.

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**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Wear suitable protective equipment.

**6.2 Environmental precautions**

Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.

**6.3 Methods and material for containment and cleaning up**

Methods for cleaning up : Avoid dust formation.  
Take measures to prevent the build up of electrostatic charge.  
Use mechanical handling equipment.  
Treat recovered material as described in the section "Disposal considerations".

**6.4 Reference to other sections**

Information regarding Safe handling, see chapter 7., For personal protection see section 8., For disposal considerations see section 13.

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**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

Advice on safe handling : not required under normal use  
Avoid dust formation.

Advice on protection against fire and explosion : Take precautionary measures against static discharges. Keep away from heat and sources of ignition. Dust may form explosive mixture in air. Electrical equipment should be protected to the appropriate standard.

Hygiene measures : Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. Take off immediately all contaminated clothing and wash it before reuse.

Dust explosion class : St1

**7.2 Conditions for safe storage, including any incompatibilities**

Further information on storage conditions : Keep containers tightly closed in a cool, well-ventilated place.  
Handle and open container with care.

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**7.3 Specific end use(s)**

Specific use(s) : No further recommendations.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

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

Substance name	End Use	Exposure routes	Potential health effects	Value
5,12-dihydro-2,9-dimethylquino[2,3-b]acridine-7,14-dione CAS-No.: 980-26-7	Workers	Dermal	Long-term systemic effects	42 mg/kg bw/day
	Remarks:DNEL			
	Workers	Inhalation	Long-term systemic effects	147 mg/m3
Remarks:DNEL				
	Workers	Inhalation	Long-term local effects	3 mg/m3
Remarks:DNEL				
	General population	Dermal	Long-term systemic effects	25 mg/kg bw/day
Remarks:DNEL				
	General population	Oral	Long-term systemic effects	25 mg/kg bw/day
Remarks:DNEL				
C.I. Pigment Violet 19 CAS-No.: 1047-16-1	Workers	Dermal	Long-term systemic effects	42 mg/kg bw/day
	Remarks:DNEL			
	Workers	Inhalation	Long-term systemic effects	147 mg/m3
Remarks:DNEL				
	Workers	Inhalation	Long-term local effects	3 mg/m3
Remarks:DNEL				
	General population	Dermal	Long-term systemic effects	25 mg/kg bw/day
Remarks:DNEL				
	General population	Oral	Long-term systemic effects	25 mg/kg bw/day
Remarks:DNEL				

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

Substance name	Environmental Compartment	Value
C.I. Pigment Violet 19 CAS-No.: 1047-16-1		
		Remarks:This information is not available.

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**8.2 Exposure controls**

**Engineering measures**

Handle only in a place equipped with local exhaust (or other appropriate exhaust).

**Personal protective equipment**

Eye protection : Safety glasses

Hand protection

Remarks : Nitrile rubber Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Skin and body protection : Wear suitable protective equipment.

Respiratory protection : Respirator must be worn if exposed to dust.

Protective measures : Wear suitable protective equipment.

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**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

Physical state : powder

Colour : pink

Odour : not significant

Odour Threshold : not required

Melting point : Decomposes before melting.

Boiling point : Not applicable

Flammability : The product is not flammable.

Upper explosion limit / upper flammability limit : Not applicable

Lower explosion limit / Lower flammability limit : Not applicable

Flash point : Not applicable

Auto-ignition temperature : Not applicable

Decomposition temperature : 500 °C  
Heating rate: 3 K/min  
Method: DSC

230 - 500 °C  
Heating rate: 3 K/min

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Method: DSC  
Exothermic reaction  
Open cup at 25 bar air pressure

The substance or mixture is not classified self-reactive.

pH	:	3,9 (25 °C)
Viscosity		
Viscosity, dynamic	:	Not applicable
Viscosity, kinematic	:	no data available
Solubility(ies)		
Water solubility	:	< 1 mg/l insoluble
Partition coefficient: n-octanol/water	:	Not applicable
Vapour pressure	:	Not applicable
Relative density	:	no data available
Density	:	1,4426 g/cm <sup>3</sup> (20 °C)
Bulk density	:	0,31 g/cm <sup>3</sup>
Relative vapour density	:	Not applicable
Particle characteristics		
Particle size	:	not determined
Particle Size Distribution	:	D50 = 87 µm Measurement method: ISO 13320

**9.2 Other information**

Explosives	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing. The product does not contain organic peroxide-groups which result from either the manufacturing process or from added ingredients.
Flammable solids		
Burning number	:	1 (20 °C) Method: VDI 2263-1 Does not catch fire
		2 (100 °C) Method: VDI 2263-1 Short flaring up without spreading

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Self-ignition	:	220 °C Method: VDI 2263 (Grewer)
		220 °C Method: VDI 2263 (Grewer) The sample was mixed 1:1 with diatomaceous earth.
Self-heating substances	:	The substance or mixture is not classified as self heating.
Metal corrosion rate	:	Not applicable
Dust deflagration index (Kst)	:	147 m.b./s
Dust explosion class	:	St1
Evaporation rate	:	Not applicable
Minimum ignition energy	:	10 - 30 mJ Method: DIN EN 13821 with inductive electrical resistance
Molecular weight	:	no data available

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**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

No dangerous reaction known under conditions of normal use.

**10.2 Chemical stability**

Stable

**10.3 Possibility of hazardous reactions**

Hazardous reactions : The substance or mixture does not emit flammable gases in contact with water. Stable

**10.4 Conditions to avoid**

Conditions to avoid : Keep away from heat and sources of ignition.

**10.5 Incompatible materials**

Materials to avoid : None.

**10.6 Hazardous decomposition products**

No decomposition if stored and applied as directed.

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**SECTION 11: Toxicological information**

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute toxicity**

**Product:**

Acute oral toxicity : Remarks: no data available

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Acute inhalation toxicity : Remarks: no data available

Acute dermal toxicity : Remarks: no data available

**Skin corrosion/irritation**

**Product:**

Remarks : no data available

**Serious eye damage/eye irritation**

**Product:**

Remarks : no data available

**Respiratory or skin sensitisation**

**Product:**

Remarks : no data available

**Germ cell mutagenicity**

**Product:**

Genotoxicity in vitro : Remarks: no data available

Germ cell mutagenicity-  
Assessment : No information available.

**Carcinogenicity**

**Product:**

Carcinogenicity -  
Assessment : No information available.

**Reproductive toxicity**

**Product:**

Reproductive toxicity -  
Assessment : No information available.

**STOT - single exposure**

**Product:**

Remarks : no data available

**STOT - repeated exposure**

**Product:**

Remarks : no data available



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**Repeated dose toxicity**

**Product:**

Remarks : This information is not available.

**Aspiration toxicity**

**Product:**

no data available

**11.2 Information on other hazards**

**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.

**Further information**

**Product:**

Remarks : no data available

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**SECTION 12: Ecological information**

**12.1 Toxicity**

**Product:**

Toxicity to fish : Remarks: no data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: no data available

Toxicity to algae/aquatic plants : Remarks: no data available

Toxicity to fish (Chronic toxicity) : Remarks: no data available

Toxicity to microorganisms : Remarks: no data available

**12.2 Persistence and degradability**

**Product:**

Biodegradability : Remarks: no data available

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**12.3 Bioaccumulative potential**

**Product:**

Bioaccumulation : Remarks: 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:**

Environmental fate and pathways : no data available

Additional ecological information : no data available

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**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

Product : Dispose of in accordance with the European Directives on waste and hazardous waste.

Contaminated packaging : This material and its container must be disposed of in a safe way.

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**SECTION 14: Transport information**

**Section 14.1. to 14.5.**

ADR not restricted  
ADN not restricted  
RID not restricted  
IATA not restricted

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**IMDG** not restricted

**14.6. Special precautions for user**

See sections 6 to 8 of this Safety Data Sheet.

**14.7. Maritime transport in bulk according to IMO instruments**

No transport as bulk according IBC - Code.

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**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	: Not applicable
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	: Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	: Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	: Not applicable
Council Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors	: Neither banned nor restricted
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	: Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	: Not applicable

**Other regulations:**

Apart from the data/regulations specified in this chapter, no further information is available concerning safety, health and environmental protection.

**15.2 Chemical safety assessment**

No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in this product.

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**SECTION 16: Other information**

**Full text of other abbreviations**

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ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - 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 Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - 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; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECl - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

**Further information**

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Heubach makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Heubach's products for its particular application. Nothing included in this information waives any of Heubach's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Heubach products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Heubach.

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006



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