

**Trade name:** edding Paint Marker-Ink (blue) contained in: edding 750, edding 751, edding 780

**Current version :** 4.1.0, issued: 03.06.2019

**Replaced version:** 4.0.0, issued: 03.06.2019

**Region:** GB

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

### 1.1 Product identifier

**Trade name**

**edding Paint Marker-Ink (blue) contained in: edding 750, edding 751, edding 780**

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

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

Ink for use in felt pens

**Uses advised against**

No data available.

### 1.3 Details of the supplier of the safety data sheet

**Address**

edding International GmbH

Bookkoppel 7

D-22926 Ahrensburg

Telephone no. +49 (0) 41 02 / 80 8-0

**Information provided by / telephone**

+49 (0)4102 - 808-0

**Advice on Safety Data Sheet**

sdb\_info@umco.de

### 1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)30 30686 790 (Giftnotruf Berlin)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Aquatic Chronic 2; H411

Asp. Tox. 1; H304

Flam. Liq. 2; H225

Skin Irrit. 2; H315

STOT SE 3; H336

**Classification information**

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)**

**Hazard pictograms**



GHS02



GHS07



GHS08



GHS09

**Signal word**

Danger

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**Hazardous component(s) to be indicated on label:**

Hydrocarbons, C7-C9, Isoalkanes  
ETHYLCYCLOHEXANE

**Hazard statement(s)**

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

**Precautionary statement(s)**

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P370+P378	In case of fire: Use water spray, extinguishing powder, foam or CO2 to extinguish.
P391	Collect spillage.
P405	Store locked up.
P501	Dispose of contents/container to a facility in accordance with local and national regulations.

**2.3 Other hazards**

No data available.

## SECTION 3: Composition/information on ingredients

**3.1 Substances**

Not applicable. The product is not a substance.

**3.2 Mixtures**

**Chemical characterization**

Mixture (preparation)

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#### Hazardous ingredients

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	<b>Hydrocarbons, C7-C9, Isoalkanes</b>			
	- 921-728-3 - 01-2119471305-42-0010	Aquatic Chronic 2; H411 Asp. Tox. 1; H304 Flam. Liq. 2; H225 Skin Irrit. 2; H315 STOT SE 3; H336	>= 25.00 - < 50.00	%-b.w.
2	<b>ETHYLCYCLOHEXANE</b>			
	1678-91-7 216-835-0 - 01-2120769125-52-0000	Flam. Liq. 2; H225 Aquatic Chronic 2; H411 STOT SE 3; H336 Aquatic Acute 1; H400 Asp. Tox. 1; H304	>= 10.00 - < 25.00	%-b.w.
3	<b>titanium dioxide</b>			
	13463-67-7 236-675-5 - -	-	>= 10.00 - < 25.00	%-b.w.
4	<b>Tetrabenzo-5,10,15,20-diazaporphyrinephthalocyanine (C.I.Pigment #74160 Blue 15:3)</b>			
	147-14-8 205-685-1 - -	-	< 5.00	%-b.w.

Full Text for all H-phrases and EUH-phrases: pls. see section 16

### 3.3 Other information

The data subject of this Material Safety Data sheet refer to the ink contained in this product (marker).

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

#### After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

#### After skin contact

Wash off immediately with soap and water.

#### After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

#### After ingestion

Rinse mouth thoroughly with water. Call a doctor immediately. Never give anything by mouth to an unconscious person.

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

No data available.

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

No data available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Extinguishing powder; Carbon dioxide; Water spray jet

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**Unsuitable extinguishing media**

High power water jet

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

In the event of fire, the following can be released: Carbon dioxide (CO<sub>2</sub>); Carbon monoxide (CO); Nitrogen oxides (NO<sub>x</sub>); Toxic gases/vapours

**5.3 Advice for firefighters**

Use self-contained breathing apparatus. Cool endangered containers with water spray jet. Wear protective clothing. Suppress gases/vapours/mists with water spray jet.

## SECTION 6: Accidental release measures

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

**For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Keep away sources of ignition.

**For emergency responders**

No data available. Personal protective equipment (PPE) - see Section 8.

**6.2 Environmental precautions**

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

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

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When picked up, treat material as prescribed under heading "Disposal considerations".

**6.4 Reference to other sections**

No data available.

## SECTION 7: Handling and storage

**7.1 Precautions for safe handling**

**Advice on safe handling**

Provide good ventilation at the work area (local exhaust ventilation, if necessary). Product inherent handling risks must be minimised taking the appropriate measures for protection and preventive actions. The working process should be designed to rule out the release of hazardous substances or skin contact as far it is possible by the state of the art.

**General protective and hygiene measures**

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Do not inhale vapours. Provide eye wash fountain in work area. Have emergency shower available.

**Advice on protection against fire and explosion**

Vapours can form an explosive mixture with air. Take precautionary measures against static charges. Keep away from sources of heat and ignition. Use explosion-proof equipment/fittings and non-sparking tools.

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

**Technical measures and storage conditions**

Keep container tightly closed in a cool, well-ventilated place. Protect from heat and direct sunlight.

**Requirements for storage rooms and vessels**

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original one.

**Advice on storage assembly**

Do not store together with: Bases; Acids; oxidizing agents

**7.3 Specific end use(s)**

No data available.

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

**8.1 Control parameters**

**Occupational exposure limit values**

No	Substance name	CAS no.	EC no.
1	titanium dioxide	13463-67-7	236-675-5
<b>List of approved workplace exposure limits (WELs) / EH40</b>			
Titanium dioxide			
total inhalable dust			
	WEL long-term (8-hr TWA reference period)	10	mg/m <sup>3</sup>
<b>List of approved workplace exposure limits (WELs) / EH40</b>			
Titanium dioxide			
respirable dust			
	WEL long-term (8-hr TWA reference period)	4	mg/m <sup>3</sup>
2	Tetrabenz-5,10,15,20-diazaphthalocyanine (C.I.Pigment #74160 Blue 15:3)	147-14-8	205-685-1
<b>List of approved workplace exposure limits (WELs) / EH40</b>			
Copper and compounds (as Cu) dusts and mists			
	WEL short-term (15 min reference period)	2	mg/m <sup>3</sup>
	WEL long-term (8-hr TWA reference period)	1	mg/m <sup>3</sup>

**DNEL, DMEL and PNEC values**

**PNEC values**

No	Substance name	CAS / EC no	
	ecological compartment	Type	Value
1	ETHYLCYCLOHEXANE		1678-91-7 216-835-0
	water	fresh water	0.63 µg/L
	water	marine water	63 ng/L
	water	Aqua intermittent	6.3 µg/L
	water	fresh water sediment	0.573 mg/kg dry weight
	water	marine water sediment	57.3 µg/kg dry weight
	soil	-	0.114 mg/kg dry weight
	sewage treatment plant	-	32 mg/L

**8.2 Exposure controls**

**Appropriate engineering controls**

No data available.

**Personal protective equipment**

**Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

**Eye / face protection**

Safety glasses with side protection shield (EN 166)

**Hand protection**

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

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**Other**

Normal chemical work clothing.

**Environmental exposure controls**

No data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Form/Colour</b>		
liquid		
blue		
<b>Odour</b>		
characteristic		
<b>Odour threshold</b>		
No data available		
<b>pH value</b>		
No data available		
<b>Boiling point / boiling range</b>		
No data available		
<b>Melting point / melting range</b>		
No data available		
<b>Decomposition point / decomposition range</b>		
No data available		
<b>Flash point</b>		
Value	7	°C
<b>Auto-ignition temperature</b>		
No data available		
<b>Oxidising properties</b>		
No data available		
<b>Explosive properties</b>		
No data available		
<b>Flammability (solid, gas)</b>		
No data available		
<b>Lower flammability or explosive limits</b>		
No data available		
<b>Upper flammability or explosive limits</b>		
No data available		
<b>Vapour pressure</b>		
No data available		
<b>Vapour density</b>		
No data available		
<b>Evaporation rate</b>		
No data available		
<b>Relative density</b>		
No data available		
<b>Density</b>		
Value	0.96	g/cm <sup>3</sup>
Reference temperature	20	°C

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Solubility in water	
Comments	insoluble
Solubility(ies)	
No data available	
Partition coefficient: n-octanol/water	
No data available	
Viscosity	
Value	16.7 mm <sup>2</sup> /s
Reference temperature	40 °C
Type	kinematic

## 9.2 Other information

Other information
No data available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

### 10.5 Incompatible materials

Bases; Acids; Oxidizing agents

### 10.6 Hazardous decomposition products

Nitrous oxides (NO<sub>x</sub>)

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C7-C9, Isoalkanes	-	921-728-3
LD50	>	2000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C7-C9, Isoalkanes	-	921-728-3
LD50	>	2000	mg/kg bodyweight
Species	rabbit		
Source	ECHA		

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<b>Acute inhalational toxicity</b>
No data available
<b>Skin corrosion/irritation</b>
No data available
<b>Serious eye damage/irritation</b>
No data available
<b>Respiratory or skin sensitisation</b>
No data available
<b>Germ cell mutagenicity</b>
No data available
<b>Reproduction toxicity</b>
No data available
<b>Carcinogenicity</b>
No data available
<b>STOT - single exposure</b>
No data available
<b>STOT - repeated exposure</b>
No data available
<b>Aspiration hazard</b>
No data available
<b>Delayed and immediate effects as well as chronic effects from short and long-term exposure</b>
Inhalation of vapours may lead to headache, drowsiness and dizziness. Repeated and prolonged skin contact may cause removal of natural fat from the skin and irritation of the skin. Eye contact with the product may lead to irritation.

## SECTION 12: Ecological information

### 12.1 Toxicity

<b>Toxicity to fish (acute)</b>			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C7-C9, Isoalkanes	-	921-728-3
	LL50	18.4	mg/l
	Duration of exposure	96	h
	Species	Oncorhynchus mykiss	
	Method	OECD 203	
	Source	ECHA	
2	ETHYLCYCLOHEXANE	1678-91-7	216-835-0
	LC50	0.75	mg/l
	Duration of exposure	96	h
	Species	Oryzias latipes	
	Method	OECD 203	
	Source	CSR	
<b>Toxicity to fish (chronic)</b>			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C7-C9, Isoalkanes	-	921-728-3
	NOELR	0.778	mg/l
	Duration of exposure	28	day(s)
	Species	Oncorhynchus mykiss	
	Method	(Q)SAR	
	Source	ECHA	



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Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C7-C9, Isoalkanes	-	921-728-3
EL50		appr. 2.4	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Source	ECHA		
2	ETHYLCYCLOHEXANE	1678-91-7	216-835-0
EC50		0.667	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	CSR		

Toxicity to Daphnia (chronic)			
No data available			

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	ETHYLCYCLOHEXANE	1678-91-7	216-835-0
EC50		0.633	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	CSR		

Toxicity to algae (chronic)			
No	Substance name	CAS no.	EC no.
1	ETHYLCYCLOHEXANE	1678-91-7	216-835-0
NOEC		0.22	mg/l
Duration of exposure		72	h
Species	Algae		

Bacteria toxicity			
No data available			

## 12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	ETHYLCYCLOHEXANE	1678-91-7	216-835-0
Value		0	%
Duration		28	day(s)
Method	OECD 301 C		
Source	CSR		
Evaluation	not readily biodegradable		

## 12.3 Bioaccumulative potential

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.
1	ETHYLCYCLOHEXANE	1678-91-7	216-835-0
BCF		474 - 839	
Method	QSAR		
Source	CSR		

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## 12.4 Mobility in soil

No data available.

## 12.5 Results of PBT and vPvB assessment

No data available.

## 12.6 Other adverse effects

No data available.

## 12.7 Other information

### Other information

Do not discharge product unmonitored into the environment.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

#### Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

## SECTION 14: Transport information

### 14.1 Transport ADR/RID/ADN

Class	3
Classification code	F1
Packing group	II
Hazard identification no.	33
UN number	UN1263
Proper shipping name	PAINT
Special Provision 640	640D
Tunnel restriction code	D/E
Label	3
Environmentally hazardous substance mark	Symbol "fish and tree"

### 14.2 Transport IMDG

Class	3
Packing group	II
UN number	UN1263
Proper shipping name	PAINT
Technical name	Hydrocarbons, C7-C9, Isoalkanes ETHYLCYCLOHEXANE
EmS	F-E, S-E
Label	3
Marine pollutant mark	Symbol "fish and tree"

### 14.3 Transport ICAO-TI / IATA

Class	3
Packing group	II
UN number	UN1263
Proper shipping name	Paint
Label	3

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#### 14.4 Other information

No data available.

#### 14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

#### 14.6 Special precautions for user

No data available.

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant

### SECTION 15: Regulatory information

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

##### EU regulations

###### **Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

###### **REACH candidate list of substances of very high concern (SVHC) for authorisation**

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

###### **Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES**

The product is considered being subject to REACH regulation (EC) 1907/2006 annexe XVII.	No 3, 40
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###### **Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances**

This product is subject to Part I of Annex I, risk category:	E2, P5b
If the properties of the substance/product give rise to more than one classification, for the purposes of 2012/18/UE, the lowest qualifying quantities set out in Part 1 and Part 2 of Annex I shall apply.	

#### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

### SECTION 16: Other information

#### **Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

#### **Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)**

H400 Very toxic to aquatic life.

#### **Department issuing safety data sheet**

UMCO GmbH

Georg-Wilhelm-Str. 187, D-21107 Hamburg

Tel.: +49 40 / 555 546 300 Fax: +49 40 / 555 546 357 e-mail: umco@umco.de

This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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Alterations/supplements:

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