

**Trade name:** edding CD-Marker-Ink (red) contained in: edding 8400

**Current version :** 5.0.0, issued: 06.10.2020

**Replaced version:** 4.0.0, issued: 06.11.2019

**Region:** GB

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

### 1.1 Product identifier

Trade name

**edding CD-Marker-Ink (red) contained in: edding 8400**

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

Relevant identified uses of the substance or mixture

Refill ink

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 information

This product does not meet the classification and labelling criteria given in the Regulation (EC) No 1272/2008 (CLP).

### 2.2 Label elements

Not relevant

### 2.3 Other hazards

PBT assessment

The components of this product are not considered to be a PBT.

vPvB assessment

The components of this product are not considered to be a vPvB.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable. The product is not a substance.

### 3.2 Mixtures

Chemical characterization

Solution of pigments and additives in water

Hazardous ingredients

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	ammonia		pls. refer to footnote (1)	
	1336-21-6 215-647-6	Aquatic Acute 1; H400 Skin Corr. 1B; H314	< 0.50	%-b.w.

**Trade name:** edding CD-Marker-Ink (red) contained in: edding 8400

**Current version :** 5.0.0, issued: 06.10.2020

**Replaced version:** 4.0.0, issued: 06.11.2019

**Region:** GB

	007-001-01-2 -	STOT SE 3; H335		
2	<b>pyridine-2-thiol 1-oxide, sodium salt</b>			
	3811-73-2 223-296-5 - -	Acute Tox. 4; H302 Acute Tox. 3; H311 Acute Tox. 4; H332 Aquatic Acute 1; H400 Eye Irrit. 2; H319 Skin Irrit. 2; H315 Aquatic Chronic 1; H410	< 0.50	%-b.w.
3	<b>Polychloro-copper-phthalocyanine (C.I. Pigment Green 7)</b>			
	1328-53-6 215-524-7 - -	-	>= 5.00 - < 10.00	%-b.w.

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

(1) Aberrant from/in addition to the classification set out in Annex VI, this substance is classified according to European Regulation (EC) No 1272/2008 (CLP), Article 4 (3), paragraph 2.

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	B	STOT SE 3; H335: C >= 5%	-	-

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

### 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

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

Do not induce vomiting. Rinse out mouth and give plenty of water to drink. 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

Foam; Carbon dioxide; Extinguishing powder; Water spray jet

#### Unsuitable extinguishing media

High power water jet

**Trade name:** edding CD-Marker-Ink (red) contained in: edding 8400

**Current version :** 5.0.0, issued: 06.10.2020

**Replaced version:** 4.0.0, issued: 06.11.2019

**Region:** GB

## 5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon monoxide (CO); Nitrogen oxides (NOx); Carbon dioxide (CO<sub>2</sub>)

## 5.3 Advice for firefighters

Use self-contained breathing apparatus. Cool endangered containers with water spray jet. Wear protective clothing.

## 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 from ignition sources.

#### 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 collected, handle material as described under the section 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). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn. Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

#### 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. Wash hands before breaks and after work.

#### Advice on protection against fire and explosion

Keep away from sources of heat and ignition.

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

#### Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place.

#### Recommended storage temperature

Value < 50 °C

#### 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.

#### Incompatible products

Do not store together with: Acids; Alkalis

### 7.3 Specific end use(s)

No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

**Trade name:** edding CD-Marker-Ink (red) contained in: edding 8400

**Current version :** 5.0.0, issued: 06.10.2020

**Replaced version:** 4.0.0, issued: 06.11.2019

**Region:** GB

### Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	Polychloro-copper-phthalocyanine (C.I. Pigment Green 7)	1328-53-6	215-524-7
<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>

## 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 (EN 166)

#### Hand protection

In case of intensive contact, wear protective gloves (EN 374). 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.

#### 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	
red	
<b>Odour</b>	
odourless	
<b>Odour threshold</b>	
No data available	
<b>pH value</b>	
Value	7.0 - 9.0
<b>Boiling point / boiling range</b>	
Value	100 °C
<b>Melting point / melting range</b>	
Value	0 °C
<b>Decomposition point / decomposition range</b>	
No data available	
<b>Flash point</b>	
not determined	
<b>Auto-ignition temperature</b>	

**Trade name:** edding CD-Marker-Ink (red) contained in: edding 8400

**Current version :** 5.0.0, issued: 06.10.2020

**Replaced version:** 4.0.0, issued: 06.11.2019

**Region:** GB

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>	
Value	1.05
Reference temperature	20 °C
<b>Density</b>	
No data available	
<b>Solubility in water</b>	
Comments	soluble
<b>Solubility(ies)</b>	
No data available	
<b>Partition coefficient: n-octanol/water</b>	
No data available	
<b>Viscosity</b>	
Value	< 10 mPa*s
Reference temperature	25 °C
Type	dynamic

## 9.2 Other information

<b>Other information</b>
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

Temperatures > 50°C. Keep from freezing.

### 10.5 Incompatible materials

Acids; Alkalis

**Trade name:** edding CD-Marker-Ink (red) contained in: edding 8400

**Current version :** 5.0.0, issued: 06.10.2020

**Replaced version:** 4.0.0, issued: 06.11.2019

**Region:** GB

## 10.6 Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	pyridine-2-thiol 1-oxide, sodium salt	3811-73-2	223-296-5
LD50		1208	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		

Acute dermal toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	edding CD-Marker-Ink (red) contained in: edding 8400
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE dermal > 2000 mg/kg).

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	pyridine-2-thiol 1-oxide, sodium salt	3811-73-2	223-296-5
LD50		1800	mg/kg bodyweight
Species	rabbit		
Source	ECHA		

Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	pyridine-2-thiol 1-oxide, sodium salt	3811-73-2	223-296-5
LC50		1.08	mg/l
Duration of exposure		4	h
State of aggregation	Dust/mist		
Species	rat		
Source	ECHA		

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	pyridine-2-thiol 1-oxide, sodium salt	3811-73-2	223-296-5
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	irritant		

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	pyridine-2-thiol 1-oxide, sodium salt	3811-73-2	223-296-5
Species	rabbit		
Source	ECHA		
Evaluation	Irritating to eyes		

Respiratory or skin sensitisation			
No data available			

Germ cell mutagenicity			
No data available			

Reproduction toxicity			

**Trade name:** edding CD-Marker-Ink (red) contained in: edding 8400

**Current version :** 5.0.0, issued: 06.10.2020

**Replaced version:** 4.0.0, issued: 06.11.2019

**Region:** GB

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>
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

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	pyridine-2-thiol 1-oxide, sodium salt	3811-73-2	223-296-5
LC50		0.0073	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Source	ECHA		

Toxicity to fish (chronic)			
No data available			

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	pyridine-2-thiol 1-oxide, sodium salt	3811-73-2	223-296-5
EC50		0.022	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Source	ECHA		

Toxicity to Daphnia (chronic)			
No data available			

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	pyridine-2-thiol 1-oxide, sodium salt	3811-73-2	223-296-5
ErC50		0.46	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		

Toxicity to algae (chronic)			
No data available			

Bacteria toxicity			
No data available			

### 12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	pyridine-2-thiol 1-oxide, sodium salt	3811-73-2	223-296-5
Type	aerobic biodegradation		
Value		60	%

**Trade name:** edding CD-Marker-Ink (red) contained in: edding 8400

**Current version :** 5.0.0, issued: 06.10.2020

**Replaced version:** 4.0.0, issued: 06.11.2019

**Region:** GB

Duration	18	day(s)
Method	OECD 301 B	
Source	ECHA	
Evaluation	readily biodegradable	

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	The components of this product are not considered to be a PBT.
vPvB assessment	The components of this product are not considered to be a vPvB.

### 12.6 Other adverse effects

No data available.

### 12.7 Other information

Other information
Ecological data are not available. 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

The product is not subject to ADR/RID/ADN regulations.

### 14.2 Transport IMDG

The product is not subject to IMDG regulations.

### 14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

### 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



**Trade name:** edding CD-Marker-Ink (red) contained in: edding 8400

**Current version :** 5.0.0, issued: 06.10.2020

**Replaced version:** 4.0.0, issued: 06.11.2019

**Region:** GB

**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, MIXTURES AND ARTICLES**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances subject to restriction as listed in Annex XVII of the REACH regulation (EC) 1907/2006.

**Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances**

This product is not subject to Part 1 or 2 of Annex I.

## 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.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

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 section.

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

H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

### Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)

B	Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.
---	---

### Creation of the 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.

Alterations/supplements:

---

**Trade name:** edding CD-Marker-Ink (red) contained in: edding 8400

**Current version :** 5.0.0, issued: 06.10.2020

**Replaced version:** 4.0.0, issued: 06.11.2019

**Region:** GB

---

Alterations to the previous edition are marked in the left-hand margin.

Document protected by copyright. Alterations or reproductions require the express written permission of UMCO GmbH.

Prod-ID 19344