

**Trade name:** edding OHP-Ink Permanent (brown) contained in: edding 140 S, edding 141 F, edding

**Current version :** 4.1.3, issued: 27.10.2022

**Replaced version:** 4.1.2, issued: 15.09.2021

**Region:** GB

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

### 1.1 Product identifier

**Trade name**

**edding OHP-Ink Permanent (brown) contained in: edding 140 S, edding 141 F, edding 142 M, edding 143 B**

### 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)**

Flam. Liq. 2; H225

Skin Sens. 1; H317

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

**Signal word**

Danger

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

1-methoxy-2-propanol

Amines, coco alkyl, ethoxylated

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hydrogen bis[2-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]benzoato(2-)]chromate(1-)

**Hazard statement(s)**

H225 Highly flammable liquid and vapour.  
H317 May cause an allergic skin reaction.  
H336 May cause drowsiness or dizziness.

**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.  
P370+P378 In case of fire: Use water spray, extinguishing powder, foam or CO2 to extinguish.  
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)

**Hazardous ingredients**

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration %
1	<b>1-methoxy-2-propanol</b>		
	107-98-2 203-539-1 603-064-00-3 01-2119457435-35-0034	Flam. Liq. 3; H226 STOT SE 3; H336	>= 50.00 - < 70.00 wt%
2	<b>ethanol</b>		
	64-17-5 200-578-6 603-002-00-5 01-2119457610-43	Flam. Liq. 2; H225	>= 10.00 - < 25.00 wt%
3	<b>propan-2-ol</b>		
	67-63-0 200-661-7 603-117-00-0 01-2119457558-25-0085	Eye Irrit. 2; H319 Flam. Liq. 2; H225 STOT SE 3; H336	>= 5.00 - < 10.00 wt%
4	<b>Amines, coco alkyl, ethoxylated</b>		
	61791-14-8 500-152-2 - -	Skin Sens. 1; H317	< 5.00 wt%
5	<b>hydrogen bis[2-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]benzoato(2-)]chromate(1-)</b>		
	5601-29-6 227-022-5 - -	Skin Sens. 1; H317	< 5.00 wt%
6	<b>Hydrogen bis[2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2 phenyl-3H-pyrazol-3-onato(2-)]chromate(1-)</b>		

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	52256-37-8 257-789-1 - -	-	< 2.50	wt%
7	<b>hydrogen bis[1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphtholato(2)]chromate(1-), compound with 3-[(2-ethylhexyl)oxy]propylamine (1:1)</b>			
	72812-36-3 276-859-2 - -	-	< 2.50	wt%
8	<b>hydrogen bis[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphtholato(2)]chromate(1-), compound with 3-[(2-ethylhexyl)oxy]propylamine (1:1)</b>			
	72812-35-2 276-858-7 - -	-	< 2.50	wt%
9	<b>hydrogen [1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphtholato(2-)][1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphtholato(2-)]chromate(1-), compound with 3-[(2-ethylhexyl)oxy]propylamine (1:1)</b>			
	72812-34-1 276-857-1 - -	-	< 2.50	wt%
10	<b>hydrogen bis[2,4-dihydro-4-[(2-hydroxy-4-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)]chromate(1-)</b>			
	33270-70-1 251-436-5 - -	-	< 2.50	wt%

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 immediately with plenty of water for several minutes.

#### 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 the 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

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### 5.1 Extinguishing media

#### Suitable extinguishing media

Foam; Extinguishing powder; Carbon dioxide

#### Unsuitable extinguishing media

No data available.

### 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)

### 5.3 Advice for firefighters

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

#### 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.

### 7.3 Specific end use(s)

No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

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### Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	1-methoxy-2-propanol	107-98-2	203-539-1
	<b>2000/39/EC</b>		
	1-Methoxypropanol-2		
	WEL short-term (15 min reference period)	568 mg/m <sup>3</sup>	150 ppm
	WEL long-term (8-hr TWA reference period)	375 mg/m <sup>3</sup>	100 ppm
	Skin resorption / sensibilisation	Skin	
	<b>List of approved workplace exposure limits (WELs) / EH40</b>		
	1-Methoxypropan-2-ol		
	WEL short-term (15 min reference period)	560 mg/m <sup>3</sup>	150 ppm
	WEL long-term (8-hr TWA reference period)	375 mg/m <sup>3</sup>	100 ppm
	Comments	Sk	
2	ethanol	64-17-5	200-578-6
	<b>List of approved workplace exposure limits (WELs) / EH40</b>		
	Ethanol		
	WEL long-term (8-hr TWA reference period)	1920 mg/m <sup>3</sup>	1000 ppm
3	propan-2-ol	67-63-0	200-661-7
	<b>List of approved workplace exposure limits (WELs) / EH40</b>		
	Propan-2-ol		
	WEL short-term (15 min reference period)	1250 mg/m <sup>3</sup>	500 ppm
	WEL long-term (8-hr TWA reference period)	999 mg/m <sup>3</sup>	400 ppm
4	hydrogen bis[2-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]benzoato(2-)]chromate(1-)	5601-29-6	227-022-5
	<b>List of approved workplace exposure limits (WELs) / EH40</b>		
	Chromium (VI) compounds (as Cr)		
	WEL long-term (8-hr TWA reference period)	0.01 mg/m <sup>3</sup>	
	Comments	Carc, sen, BMGV	
	<b>List of approved workplace exposure limits (WELs) / EH40</b>		
	Chromium (VI) compounds (as Cr)		
	WEL long-term (8-hr TWA reference period)	0,025 mg/m <sup>3</sup>	
	Comments	(process generated)1 Carc, sen, BMGV	
	<b>2004/37/EC</b>		
	Chromium (VI) compounds		
	WEL long-term (8-hr TWA reference period)	0.005 mg/m <sup>3</sup>	
	Comments	Limit value 0,010 mg/m <sup>3</sup> until 17 January 2025 Limit value: 0,025 mg/m <sup>3</sup> for welding or plasma cutting processes or similar work processes that generate fume until 17 January 2025	
5	Hydrogen bis[2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2 phenyl-3H-pyrazol-3-onato(2-)]chromate(1-)	52256-37-8	257-789-1
	<b>List of approved workplace exposure limits (WELs) / EH40</b>		
	Chromium (VI) compounds (as Cr)		
	WEL long-term (8-hr TWA reference period)	0.01 mg/m <sup>3</sup>	
	Comments	Carc, sen, BMGV	
	<b>List of approved workplace exposure limits (WELs) / EH40</b>		
	Chromium (VI) compounds (as Cr)		
	WEL long-term (8-hr TWA reference period)	0,025 mg/m <sup>3</sup>	
	Comments	(process generated)1 Carc, sen, BMGV	
	<b>2004/37/EC</b>		
	Chromium (VI) compounds		
	WEL long-term (8-hr TWA reference period)	0.005 mg/m <sup>3</sup>	

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	Comments	Limit value 0,010 mg/m <sup>3</sup> until 17 January 2025 Limit value: 0,025 mg/m <sup>3</sup> for welding or plasma cutting processes or similar work processes that generate fume until 17 January 2025
<b>6</b>	<b>hydrogen bis[1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphtholato(2-)]chromate(1-), compound with 3-[(2-ethylhexyl)oxy]propylamine (1:1)</b>	<b>72812-36-3</b> <b>276-859-2</b>
<b>List of approved workplace exposure limits (WELs) / EH40</b>		
Chromium (VI) compounds (as Cr)		
	WEL long-term (8-hr TWA reference period)	0.01 mg/m <sup>3</sup>
	Comments	Carc, sen, BMGV
<b>List of approved workplace exposure limits (WELs) / EH40</b>		
Chromium (VI) compounds (as Cr)		
	WEL long-term (8-hr TWA reference period)	0,025 mg/m <sup>3</sup> (process generated) <sup>1</sup>
	Comments	Carc, sen, BMGV
<b>2004/37/EC</b>		
Chromium (VI) compounds		
	WEL long-term (8-hr TWA reference period)	0.005 mg/m <sup>3</sup>
	Comments	Limit value 0,010 mg/m <sup>3</sup> until 17 January 2025 Limit value: 0,025 mg/m <sup>3</sup> for welding or plasma cutting processes or similar work processes that generate fume until 17 January 2025
<b>7</b>	<b>hydrogen bis[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphtholato(2-)]chromate(1-), compound with 3-[(2-ethylhexyl)oxy]propylamine (1:1)</b>	<b>72812-35-2</b> <b>276-858-7</b>
<b>List of approved workplace exposure limits (WELs) / EH40</b>		
Chromium (VI) compounds (as Cr)		
	WEL long-term (8-hr TWA reference period)	0.01 mg/m <sup>3</sup>
	Comments	Carc, sen, BMGV
<b>List of approved workplace exposure limits (WELs) / EH40</b>		
Chromium (VI) compounds (as Cr)		
	WEL long-term (8-hr TWA reference period)	0,025 mg/m <sup>3</sup> (process generated) <sup>1</sup>
	Comments	Carc, sen, BMGV
<b>2004/37/EC</b>		
Chromium (VI) compounds		
	WEL long-term (8-hr TWA reference period)	0.005 mg/m <sup>3</sup>
	Comments	Limit value 0,010 mg/m <sup>3</sup> until 17 January 2025 Limit value: 0,025 mg/m <sup>3</sup> for welding or plasma cutting processes or similar work processes that generate fume until 17 January 2025
<b>8</b>	<b>hydrogen [1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphtholato(2-)][1-[(2 hydroxy-5-nitrophenyl)azo]-2-naphtholato(2-)]chromate(1-), compound with 3-[(2-ethylhexyl)oxy]propylamine (1:1)</b>	<b>72812-34-1</b> <b>276-857-1</b>
<b>List of approved workplace exposure limits (WELs) / EH40</b>		
Chromium (VI) compounds (as Cr)		
	WEL long-term (8-hr TWA reference period)	0.01 mg/m <sup>3</sup>
	Comments	Carc, sen, BMGV
<b>List of approved workplace exposure limits (WELs) / EH40</b>		
Chromium (VI) compounds (as Cr)		
	WEL long-term (8-hr TWA reference period)	0,025 mg/m <sup>3</sup> (process generated) <sup>1</sup>
	Comments	Carc, sen, BMGV
<b>2004/37/EC</b>		
Chromium (VI) compounds		
	WEL long-term (8-hr TWA reference period)	0.005 mg/m <sup>3</sup>

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	Comments	Limit value 0,010 mg/m <sup>3</sup> until 17 January 2025 Limit value: 0,025 mg/m <sup>3</sup> for welding or plasma cutting processes or similar work processes that generate fume until 17 January 2025
<b>9</b>	<b>hydrogen bis[2,4-dihydro-4-[(2-hydroxy-4-nitrophenyl)azo]-5-methyl-2 phenyl-3H-pyrazol-3-onato(2-)]chromate(1-)</b>	<b>33270-70-1</b> <b>251-436-5</b>
<b>List of approved workplace exposure limits (WELs) / EH40</b>		
Chromium (VI) compounds (as Cr)		
	WEL long-term (8-hr TWA reference period)	0.01 mg/m <sup>3</sup>
	Comments	Carc, sen, BMGV
<b>List of approved workplace exposure limits (WELs) / EH40</b>		
Chromium (VI) compounds (as Cr)		
	WEL long-term (8-hr TWA reference period)	0,025 mg/m <sup>3</sup> (process generated) <sup>1</sup>
	Comments	Carc, sen, BMGV
<b>2004/37/EC</b>		
Chromium (VI) compounds		
	WEL long-term (8-hr TWA reference period)	0.005 mg/m <sup>3</sup>
	Comments	Limit value 0,010 mg/m <sup>3</sup> until 17 January 2025 Limit value: 0,025 mg/m <sup>3</sup> for welding or plasma cutting processes or similar work processes that generate fume until 17 January 2025

### DNEL, DMEL and PNEC values

#### DNEL values (worker)

No	Substance name			CAS / EC no
	Route of exposure	Exposure time	Effect	Value
1	<b>1-methoxy-2-propanol</b>			<b>107-98-2</b> <b>203-539-1</b>
	dermal	Long term (chronic)	systemic	183 mg/kg/day
	inhalative	Long term (chronic)	systemic	369 mg/m <sup>3</sup>
	inhalative	Short term (acut)	local	553.5 mg/m <sup>3</sup>
2	<b>ethanol</b>			<b>64-17-5</b> <b>200-578-6</b>
	dermal	Long term (chronic)	systemic	343 mg/kg/day
	inhalative	Long term (chronic)	systemic	950 mg/m <sup>3</sup>
3	<b>propan-2-ol</b>			<b>67-63-0</b> <b>200-661-7</b>
	dermal	Long term (chronic)	systemic	888 mg/kg/day
	inhalative	Long term (chronic)	systemic	500 mg/m <sup>3</sup>

#### DNEL value (consumer)

No	Substance name			CAS / EC no
	Route of exposure	Exposure time	Effect	Value
1	<b>1-methoxy-2-propanol</b>			<b>107-98-2</b> <b>203-539-1</b>
	oral	Long term (chronic)	systemic	33 mg/kg/day
	dermal	Long term (chronic)	systemic	78 mg/kg/day
	inhalative	Long term (chronic)	systemic	43.9 mg/m <sup>3</sup>
2	<b>ethanol</b>			<b>64-17-5</b> <b>200-578-6</b>
	oral	Long term (chronic)	systemic	87 mg/kg/day
	dermal	Long term (chronic)	systemic	206 mg/kg/day
	inhalative	Short term (acut)	local	950 mg/m <sup>3</sup>
	inhalative	Long term (chronic)	systemic	114 mg/m <sup>3</sup>
3	<b>propan-2-ol</b>			<b>67-63-0</b> <b>200-661-7</b>
	oral	Long term (chronic)	systemic	26 mg/kg/day

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dermal	Long term (chronic)	systemic	319	mg/kg/day
inhalative	Long term (chronic)	systemic	89	mg/m <sup>3</sup>

#### PNEC values

No	Substance name	ecological compartment	Type	CAS / EC no	Value
1	<b>1-methoxy-2-propanol</b>			<b>107-98-2</b> <b>203-539-1</b>	
	water		fresh water		10 mg/L
	water		marine water		1 mg/L
	water		Aqua intermittent		100 mg/L
	water		fresh water sediment		52.3 mg/kg
	with reference to: dry weight				
	water		marine water sediment		5.2 mg/kg
	with reference to: dry weight				
	soil		-		4.59 mg/kg
	with reference to: dry weight				
	sewage treatment plant		-		100 mg/L
2	<b>ethanol</b>			<b>64-17-5</b> <b>200-578-6</b>	
	water		fresh water		0.96 mg/L
	water		marine water		0.79 mg/L
	water		fresh water sediment		3.6 mg/kg
	with reference to: dry weight				
	water		Aqua intermittent		2.75 mg/L
	water		marine water sediment		2.9 mg/kg
	with reference to: dry weight				
	soil		-		0.63 mg/kg
	with reference to: dry weight				
	sewage treatment plant		-		580 mg/L
	secondary poisoning		-		0.38 g/kg
	with reference to: food				
3	<b>propan-2-ol</b>			<b>67-63-0</b> <b>200-661-7</b>	
	water		fresh water		140.9 mg/L
	water		Aqua intermittent		140.9 mg/L
	water		marine water		140.9 mg/L
	water		fresh water sediment		552 mg/L
	water		marine water sediment		552 mg/L
	soil		-		28 mg/kg
	sewage treatment plant		-		2251 mg/L
	secondary poisoning		-		160 mg/kg
	with reference to: food				

## 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



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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.

**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>State of aggregation</b>	
liquid	
<b>Form</b>	
liquid	
<b>Colour</b>	
brown	
<b>Odour</b>	
weak	
<b>pH value</b>	
No data available	
<b>Boiling point / boiling range</b>	
Value	78 °C
Reference substance	CAS 64-17-5
<b>Melting point/freezing point</b>	
No data available	
<b>Decomposition temperature</b>	
No data available	
<b>Flash point</b>	
Value	13 °C
Reference substance	CAS 64-17-5
<b>Ignition temperature</b>	
No data available	
<b>Flammability</b>	
No data available	
<b>Lower explosion limit</b>	
Value	1.9 % vol
<b>Upper explosion limit</b>	
Value	13.1 % vol
<b>Vapour pressure</b>	
No data available	
<b>Relative vapour density</b>	
No data available	
<b>Relative density</b>	
Value	0.943
<b>Density</b>	
No data available	

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**Region:** GB

Solubility in water	
Comments	insoluble

Solubility	
No data available	

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
log Pow		0.05	
Reference temperature		25	°C
Source		ECHA	

Kinematic viscosity	
No data available	

Particle characteristics	
No data available	

## 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; air humidity

### 10.5 Incompatible materials

No data available.

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: Toxicological information

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

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	1-methoxy-2-propanol	107-98-2	203-539-1
LD50		4016	mg/kg bodyweight
Species		rat	
Method		EC 440/2008, B.1	
Source		ECHA	
2	ethanol	64-17-5	200-578-6
LD50		10740	mg/kg bodyweight
Species		rat	
Method		OECD 401	
Source		ECHA	
3	propan-2-ol	67-63-0	200-661-7
LD50		5840	mg/kg bodyweight
Species		rat	
Method		OECD 401	
Source		ECHA	

**Trade name:** edding OHP-Ink Permanent (brown) contained in: edding 140 S, edding 141 F, edding

**Current version :** 4.1.3, issued: 27.10.2022

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**Region:** GB

Evaluation/classification		Based on available data, the classification criteria are not met.	
<b>Acute dermal toxicity</b>			
No	Substance name	CAS no.	EC no.
1	1-methoxy-2-propanol	107-98-2	203-539-1
LD50	>	2000	mg/kg bodyweight
Species	rat		
Method	440/2008/EC B.3.		
Source	ECHA		
<b>Acute inhalational toxicity</b>			
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
LC50		124.7	mg/l
Duration of exposure		4	h
State of aggregation	Dust/mist		
Species	rat		
Method	OECD 403		
Source	ECHA		
2	propan-2-ol	67-63-0	200-661-7
LC50	>	10000	ppmV
Duration of exposure		6	h
State of aggregation	Vapour		
Species	rat		
Method	OECD 403		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
<b>Skin corrosion/irritation</b>			
No	Substance name	CAS no.	EC no.
1	1-methoxy-2-propanol	107-98-2	203-539-1
Species	rabbit		
Method	EC 440/2008, B.4		
Source	ECHA		
Evaluation	non-irritant		
2	propan-2-ol	67-63-0	200-661-7
Species	rabbit		
Source	ECHA		
Evaluation	non-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		
<b>Serious eye damage/irritation</b>			
No	Substance name	CAS no.	EC no.
1	1-methoxy-2-propanol	107-98-2	203-539-1
Species	rabbit		
Method	2004/73/EEC, B.5		
Source	ECHA		
Evaluation	non-irritant		
2	propan-2-ol	67-63-0	200-661-7
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	irritant		
Evaluation/classification	Based on available data, the classification criteria are met.		
<b>Respiratory or skin sensitisation</b>			
No	Substance name	CAS no.	EC no.
1	1-methoxy-2-propanol	107-98-2	203-539-1
Route of exposure	Skin		
Species	guinea pig		
Method	440/2008/EC B.6		
Source	ECHA		
Evaluation	non-sensitizing		

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**Region:** GB

2	ethanol	64-17-5	200-578-6
Route of exposure		Skin	
Species		mouse	
Method		OECD 429	
Source		ECHA	
Evaluation		non-sensitizing	

3	propan-2-ol	67-63-0	200-661-7
Route of exposure		Skin	
Species		guinea pig	
Method		OECD 406	
Source		ECHA	
Evaluation		non-sensitizing	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	propan-2-ol	67-63-0	200-661-7
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Carcinogenicity			
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

STOT - single exposure			
No data available			

STOT - repeated exposure			
No	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
Route of exposure		inhalational	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Aspiration hazard			
No data available			

Delayed and immediate effects as well as chronic effects from short and long-term exposure			
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.			

## 11.2 Information on other hazards

### Endocrine disrupting properties

No data available.

### Other information

No data available.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Toxicity to fish (acute)

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**Region:** GB

No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
LC50	>	14000	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		
Method	EPA E03-05		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	propan-2-ol	67-63-0	200-661-7
LC50	>	9640	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		
Method	OECD 203		
Source	ECHA		

#### Toxicity to fish (chronic)

No data available

#### Toxicity to Daphnia (acute)

No	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
EC50	>	10000	mg/l
Duration of exposure		24	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

#### Toxicity to Daphnia (chronic)

No data available

#### Toxicity to algae (acute)

No data available

#### 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	1-methoxy-2-propanol	107-98-2	203-539-1
Type	aerobic biodegradation		
Value		96	%
Duration		28	day(s)
Method	OECD 301 E		
Source	ECHA		
Evaluation	readily biodegradable		
2	propan-2-ol	67-63-0	200-661-7
Type	BOD/COD		
Value		53	%
Duration		5	day(s)
Source	ECHA		
Evaluation	readily biodegradable		

## 12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
log Pow		0.05	
Reference temperature		25	°C
Source	ECHA		

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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 Endocrine disrupting properties

No data available.

#### 12.7 Other adverse effects

No data available.

#### 12.8 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

Residues 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

#### 14.2 Transport IMDG

Class	3
Packing group	II
UN number	UN1263
Proper shipping name	PAINT
EmS	F-E, S-E
Label	3

#### 14.3 Transport ICAO-TI / IATA

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

#### 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.

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#### 14.7 Maritime transport in bulk according to IMO instruments

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, MIXTURES AND ARTICLES**

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. No 3, 40

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	hydrogen [1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphtholato(2-)] [1-[(2 hydroxy-5-nitrophenyl)azo]-2-naphtholato(2-)]chromate(1-), compound with 3-[(2-ethylhexyl)oxy]propylamine (1:1)	72812-34-1	276-857-1	75
2	hydrogen bis[1-[(2-hydroxy-4-nitrophenyl)azo]-2-naphtholato(2)]chromate(1-), compound with 3-[(2-ethylhexyl)oxy]propylamine (1:1)	72812-36-3	276-859-2	75
3	hydrogen bis[1-[(2-hydroxy-5-nitrophenyl)azo]-2-naphtholato(2)]chromate(1-), compound with 3-[(2-ethylhexyl)oxy]propylamine (1:1)	72812-35-2	276-858-7	75
4	hydrogen bis[2,4-dihydro-4-[(2-hydroxy-4-nitrophenyl)azo]-5-methyl-2 phenyl-3H-pyrazol-3-onato(2-)]chromate(1-)	33270-70-1	251-436-5	75
5	Hydrogen bis[2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2 phenyl-3H-pyrazol-3-onato(2-)]chromate(1-)	52256-37-8	257-789-1	75
6	hydrogen bis[2-[(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)azo]benzoato(2-)]chromate(1-)	5601-29-6	227-022-5	75
7	propan-2-ol	67-63-0	200-661-7	75

###### **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:

P5b

#### 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.

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

H226 Flammable liquid and vapour.  
H319 Causes serious eye irritation.

**Creation of the safety data sheet**

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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:

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

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Prod-ID 20325