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Replaced version: 2.1.0, issued: 20.06.2018

Region: GB

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

1.1 Product identifier

Trade name

edding Permanent Ink (blue) contained in: edding 8407 cable marker

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 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 GHS0

Signal word Danger

Hazardous component(s) to be indicated on label: 1-methoxy-2-propanol

Hazard statement(s) H225

Highly flammable liquid and vapour.



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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

	Substance name		A al al ! 4			
No	Substance name		Addit	ional information		
	CAS / EC / Index /	Classification (EC) 1272/2008 (CLP)	Conc	entration		%
	REACH no					
1	1-methoxy-2-propa	nol				
	107-98-2	Flam. Liq. 3; H226	>=	50.00 - <	70.00	wt%
	203-539-1	STOT SE 3; H336				
	603-064-00-3					
	01-2119457435-					
	35-0034					
2	ethanol					
	64-17-5	Flam. Liq. 2; H225	>=	10.00 - <	25.00	wt%
	200-578-6					
	603-002-00-5					
	01-2119457610-43					
3	propan-2-ol					
	67-63-0	Eye Irrit. 2; H319	>=	5.00 - <	10.00	wt%
	200-661-7	Flam. Liq. 2; H225				
	603-117-00-0	STOT SE 3; H336				
	01-2119457558-					
	25-0085					

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

Additional ingredients

No	Substance name		Additional information	
	CAS / EC / Index /	Classification (EC) 1272/2008 (CLP)	Concentration	%
	REACH no			
1		hydrogen [1 - [(2-hydroxy-4-nitrophenyl) azo] -2-		
		1 - [(2-hydroxy-5-nitrophenyl) azo] -2-		
		Chromate (1-), compound with 3- [(2-ethylhexyl)		
		1: 1) and hydrogen bis [1 - [(2-hydroxy-4- 2-naphtholato (2 -)] Chromate (1-), compound		
		(y) oxy] propylamine (1: 1) and hydrogen bis [1		
		ophenyl) azo] -2-naphtholato (2 -)] chromate (1-		
		3 - [(2-ethylhexyl) oxy] propylamine (1: 1)		
	-	-	< 0.50	wt%
	916-881-8			
	-			



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01-2120763683-46

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

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 (CO2); Carbon monoxide (CO)

5.3 Advice for firefighters

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



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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

Occupational exposure limit values

No	Substance name	CAS no.		EC no.	
1	1-methoxy-2-propanol	107-98-2		203-539-1	
	2000/39/EC				
	1-Methoxypropanol-2				
	WEL short-term (15 min reference period)	568	mg/m³	150	ppm
	WEL long-term (8-hr TWA reference period)	375	mg/m³	100	ppm
	Skin resorption / sensibilisation	Skin			
	List of approved workplace exposure limits (WELs) /	EH40			
	1-Methoxypropan-2-ol				
	WEL short-term (15 min reference period)	560	mg/m³	150	ppm
	WEL long-term (8-hr TWA reference period)	375	mg/m³	100	ppm
	Comments	Sk			
2	ethanol	64-17-5		200-578-6	
	List of approved workplace exposure limits (WELs) /	EH40			
	Ethanol				
	WEL long-term (8-hr TWA reference period)	1920	mg/m³	1000	ppm
3	propan-2-ol	67-63-0		200-661-7	
	List of approved workplace exposure limits (WELs) /	EH40			
	Propan-2-ol				
	WEL short-term (15 min reference period)	1250	mg/m³	500	ppm
	WEL long-term (8-hr TWA reference period)	999	mg/m³	400	ppm

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name			CAS / EC no
	Route of exposure	Exposure time	Effect	Value



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1	1-methoxy-2-propanol			107-98-2 203-539-1	
	dermal	Long term (chronic)	systemic	183	mg/kg/day
	inhalative	Long term (chronic)	systemic	369	mg/m³
	inhalative	Short term (acut)	local	553.5	mg/m³
2	ethanol			64-17-5 200-578-6	
	dermal	Long term (chronic)	systemic	343	mg/kg/day
	inhalative	Long term (chronic)	systemic	950	mg/m ³
3	propan-2-ol			67-63-0 200-661-7	-
	dermal	Long term (chronic)	systemic	888	mg/kg/day
	inhalative	Long term (chronic)	systemic	500	mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC	; no
	Route of exposure	Exposure time	Effect	Value	
1	1-methoxy-2-propanol		· ·	107-98-2	
				203-539-	1
	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/m³
2	ethanol			64-17-5	
					6
	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/m³
	inhalative	Long term (chronic)	systemic	114	mg/m³
3	propan-2-ol			67-63-0	
				200-661-	7
	oral	Long term (chronic)	systemic	26	mg/kg/day
	dermal	Long term (chronic)	systemic	319	mg/kg/day
	inhalative	Long term (chronic)	systemic	89	mg/m ³

PNEC values

No	Substance name		CAS / EC	no			
	ecological compartment	Туре	Value				
1	1-methoxy-2-propanol	•	107-98-2				
			203-539-1	1			
	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	ethanol		64-17-5				
			200-578-6	6			
	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						



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sewage treatment plant	-	580	mg/L
secondary poisoning	-	0.38	g/kg
with reference to: food			
propan-2-ol		67-63-0 200-661-7	7
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

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 workstation 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

State of aggregation						
liquid						
Form/Colour						_
liquid						
blue						
Odour						
weak						
pH value						
No data available						
Boiling point / boiling range						
Value		78	°C			
Reference substance	CAS 64-17-5					
Melting point/freezing point		_	_		_	_
No data available						



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Decomposition temperature					
No data available					
Flash point					
Value		13	°C		
Reference substance	CAS 64-17-5				
Ignition temperature					
No data available					
Flammability					
No data available					
Lower explosion limit					
Value		1.9	% vol		
Upper explosion limit					
Value		13.1	% vol		
Vapour pressure No data available					
Relative vapour density					
No data available					
Relative density	ſ				
Value		0.938			
Density					
No data available					
Solubility in water					
Comments	insoluble				
Solubility					
No data available					
Partition coefficient n-octanol/water (log valu					
No Substance name	CAS	no		EC no.	
1 propan-2-ol	67-6			200-661-7	
log Pow			0.05		
Reference temperature			25	°C	
Source	ECHA				
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



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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

No Substance name CAS no. EC no. 1 1-methoxy-2-propanol 107-98-2 203-539-1 LD50 4016 mg/kg bodywe Species rat EC 440/2008, B.1 Source ECHA 200-578-6 LD50 10740 mg/kg bodywe Species rat 0ECD 401 Source ECHA 0ECHA Valuation/classification Based on available data, the classification criteria are not met. Acute dermal toxicity Valuation/classification EC no. No Substance name CAS no. EC no. 1	weight			
LD50 4016 mg/kg bodywe Species rat EC 440/2008, B.1 Source ECHA 200-578-6 2 ethanol 64-17-5 200-578-6 LD50 10740 mg/kg bodywe Species rat 0ECD 401 Source ECHA 0ECD 401 Source ECHA 0ECD 401 Species rat 0ECD 401 Source ECHA 200-661-7 LD50 5840 mg/kg bodywe Species rat 0ECD 401 Source Eral 5840 mg/kg bodywe Species rat 0ECD 401 5840 mg/kg bodywe Species rat 0ECD 401 ECHA ECHA Source ECHA Based on available data, the classification criteria are not met. ECHA Keute dermal toxicity ECAS no. EC no. EC no. 1 1-methoxy-2-propanol 107-98-2 203-539-1	weight			
Species rat Method EC 440/2008, B.1 Source ECHA 2 ethanol 64-17-5 200-578-6 LD50 10740 mg/kg bodywe Species rat OECD 401 Source ECHA OECD 401 Source ECHA OECD 401 Species rat OECD 401 Source ECHA OECD 401 Species rat OECD 401 Source ECHA OECD 401 Species rat OECD 401 Species rat OECD 401 Source ECHA OECD 401 Source ECHA OECD 401 Source ECHA OECD 401 Source ECHA ECHA Evaluation/classification Based on available data, the classification criteria are not met. Acute dermal toxicity EC no. EC no. No Substance name CAS no. EC no. 1 1-methoxy-2-propanol <td< th=""><th>weight</th></td<>	weight			
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SourceECHA2ethanol64-17-5200-578-6LD5010740mg/kg bodyweSpeciesratMethodOECD 401SourceECHA3propan-2-ol67-63-0200-661-7LD505840mg/kg bodyweSpeciesratMethodOECD 401SourceECHAILD505840mg/kg bodyweSpeciesratMethodOECD 401SourceECHAEvaluation/classificationBased on available data, the classification criteria are not met.Acute dermal toxicityNoNoSubstance nameCAS no.11-methoxy-2-propanol107-98-2203-539-1	weight			
2ethanol64-17-5200-578-6LD5010740mg/kg bodyweSpeciesratMethodOECD 401SourceECHA3propan-2-ol67-63-0200-661-7LD505840SpeciesratMethodOECD 401SourceECHALD505840SpeciesratMethodOECD 401SourceECHAEvaluation/classificationBased on available data, the classification criteria are not met.Acute dermal toxicityCAS no.EC no.NoSubstance nameCAS no.EC no.11-methoxy-2-propanol107-98-2203-539-1	weight			
LD50 10740 mg/kg bodywe Species rat OECD 401 Method OECD 401 ECHA 3 propan-2-ol 67-63-0 200-661-7 LD50 5840 mg/kg bodywe Species rat OECD 401 Method OECD 401 Source Source ECHA OECD 401 Source ECHA DECD 401 Source ECHA OECD 401 Source ECHA DECHA Acute dermal toxicity Based on available data, the classification criteria are not met. Acute dermal toxicity CAS no. EC no. 1 1-methoxy-2-propanol 107-98-2 203-539-1	weight			
Species rat Method OECD 401 Source ECHA 3 propan-2-ol 67-63-0 200-661-7 LD50 5840 mg/kg bodywe Species rat OECD 401 Method OECD 401 Source Source ECHA OECD 401 Evaluation/classification Based on available data, the classification criteria are not met. Acute dermal toxicity CAS no. EC no. 1 1-methoxy-2-propanol 107-98-2 203-539-1	weight			
Method Source OECD 401 ECHA 3 propan-2-ol 67-63-0 200-661-7 LD50 5840 mg/kg bodywe Species rat OECD 401 Method OECD 401 ECHA Source ECHA ECHA Evaluation/classification Based on available data, the classification criteria are not met. Acute dermal toxicity CAS no. EC no. 1 1-methoxy-2-propanol 107-98-2 203-539-1				
Source ECHA 3 propan-2-ol 67-63-0 200-661-7 LD50 5840 mg/kg bodywe Species rat 0ECD 401 Source ECHA Evaluation/classification Based on available data, the classification criteria are not met. Acute dermal toxicity CAS no. EC no. 1 1-methoxy-2-propanol 107-98-2 203-539-1				
3 propan-2-ol 67-63-0 200-661-7 LD50 5840 mg/kg bodywe Species rat OECD 401 Method OECD 401 ECHA Evaluation/classification Based on available data, the classification criteria are not met. Acute dermal toxicity CAS no. EC no. 1 1-methoxy-2-propanol 107-98-2 203-539-1				
LD50 5840 mg/kg bodywe Species rat Method OECD 401 Source ECHA Evaluation/classification Based on available data, the classification criteria are not met. Acute dermal toxicity CAS no. No Substance name CAS no. 1 1-methoxy-2-propanol 107-98-2				
Species rat Method OECD 401 Source ECHA Evaluation/classification Based on available data, the classification criteria are not met. Acute dermal toxicity CAS no. EC no. 1 1-methoxy-2-propanol 107-98-2 203-539-1				
Method Source OECD 401 ECHA Evaluation/classification ECHA Based on available data, the classification criteria are not met. Acute dermal toxicity No Substance name CAS no. 1 1-methoxy-2-propanol 107-98-2				
Source ECHA Evaluation/classification Based on available data, the classification criteria are not met. Acute dermal toxicity CAS no. EC no. 1 1-methoxy-2-propanol 107-98-2 203-539-1				
Evaluation/classification Based on available data, the classification criteria are not met. Acute dermal toxicity CAS no. EC no. 1 1-methoxy-2-propanol 107-98-2 203-539-1				
Acute dermal toxicityNoSubstance nameCAS no.EC no.11-methoxy-2-propanol107-98-2203-539-1				
No Substance name CAS no. EC no. 1 1-methoxy-2-propanol 107-98-2 203-539-1				
No Substance name CAS no. EC no. 1 1-methoxy-2-propanol 107-98-2 203-539-1				
1 1-methoxy-2-propanol 107-98-2 203-539-1				
LD50 > 2000 mg/kg bodywe	veiaht			
Species rat				
Method 440/2008/EC B.3.				
Source ECHA				
Acute inhalational toxicity				
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				
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.				
Skin corrosion/irritation				
No Substance name CAS no. EC no.				
No Substance name CAS no. EC no. 1 1-methoxy-2-propanol 107-98-2 203-539-1				
No Substance name CAS no. EC no.				



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Evaluation	non-irritant	
2 propan-2-ol	67-63-0	200-661-7
Species	rabbit	200-001-7
Source	ECHA	
Evaluation	non-irritant	
Evaluation/classification		classification criteria are not met.
Serious eye damage/irritation		
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.
Respiratory or skin sensitisation		
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	
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	ÖECD 406	
Source	ECHA	
Evaluation	non-sensitizing	
Evaluation/classification		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	200-070-0
Evaluation/classification	-	classification criteria are not met.
2 propan-2-ol	67-63-0	200-661-7
Source	ECHA	200-001-7
Source Evaluation/classification		classification criteria are not met.
Reproduction toxicity		
No Substance name	CAS no.	EC no.
1 ethanol	64-17-5	200-578-6
Source	ECHA	1 100 JL 12 1
Evaluation/classification	Based on available data, the	classification criteria are not met.
Carolnogonioity		
Jarcinouenicity		
Carcinogenicity No Substance name	CAS no.	EC no.



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Sou	rce	ECHA	
Eval	luation/classification	Based on available data, the classification criteria are not met.	
STOT - single exposure			
No data available			
STO	T - repeated exposure		
No	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
Rou	te of exposure	inhalational	
Source ECHA			
Evaluation/classification Based on available data, the classification criteria are not met.		ssification criteria are not met.	

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)					
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			
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					



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Toxicity to algae (chronic)	
No data available	
Bactoria 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	
Туре		aerobic biodegradation		
Valu	e	96	š %	
Dura	ation	28	3 day(s)	
Method		OECD 301 E		
Source		ECHA		
Evaluation		readily biodegradable		
2	propan-2-ol	67-63-0	200-661-7	
Туре	3	BOD/COD		
Valu	e	53	3 %	
Duration		5	day(s)	
Source		ECHA		
Eval	uation	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 F	Pow		0.05	
Refe	erence temperature		25	°C
Sou	rce	ECHA		

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



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	Class Classification code Packing group Hazard identification no. UN number Proper shipping name Special Provision 640 Tunnel restriction code Label	3 F1 II 33 UN1263 PAINT 640D D/E 3		
14.2	Transport IMDG Class Packing group UN number Proper shipping name EmS Label	3 II UN1263 PAINT F-E, S-E 3		
14.3	Transport ICAO-TI / IATA Class Packing group UN number Proper shipping name Label	3 II UN1263 Paint 3		
14.4	Other information No data available.			
14.5	Environmental hazards Information on environmental haz	ards, if relevant	t, please see 14.1 - 14.3.	
14.6	Special precautions for user No data available.			
14.7	Maritime transport in bulk ac Not relevant	cording to IM	IO instruments	

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>EU regulations</u>

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		
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.



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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)

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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