

INGREDIENT DATA SHEET

According to the Detergent Regulation (EC) No 1907/2006

Manufacturer/Supplier:

Company name: LEITZ ACCO Brands GmbH & Co KG
Address: Forumstr. 6, 41468 Neuss
Phone: +49(o) 7118103-0
E-mail: germanyinfo@acco.com

Date: 19.03.2026

Revision Date: -

Version: 1

Product name: Franken KombiMarker blau (Z1708 03), KombiMarker schwarz (Z1708 10), FineMarker blau (Z1991 03), FineMarker schwarz (Z1991 10), KombiMarker sortiert (Z1703), FineMarker sortiert (Z1994), Zubehörset (Z1955)

Information on Ingredients:

INCI name
<i>10 % or more</i>
<i>1 % or over, but less than 10 %</i>
1-Methoxy-2-propanol
<i>0,1 % or over, but less than 1 %</i>
<i>less than 0,1 %</i>
1,2-benzisothiazol-3(2H)-one (BIT) 2-methyl-2H-isothiazol-3-one (MIT) Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CMIT/MIT)

Note. INCI: International Nomenclature of Cosmetic Ingredients.

https://ec.europa.eu/growth/sectors/cosmetics/cosing_en

Safety Data Sheet according to UN GHS, Regulation (EC) No. 1907/2006 (REACH), Regulation (EU) No. 2020/878 Annex II, Regulation (EC) No. 1272/2008 (CLP) and GB CLP

Water-based White Marker Ink AWM White

Water-based Paint Marker Ink WPM Black, White, Lime Green, Ruby Red, Red, Orange, Yellow, Pink, Aqua, Purple

Data Sheet No: DS542

Version No: 001

Issue Date: 2nd November 2022

Page 1

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

1.1: Product identifier

UFI Code: to be determined
Trade name: Water-based White Marker Ink AWM White, Water-based Paint Marker Ink WPM Black, White, Lime Green, Ruby Red, Red, Orange, Yellow, Pink, Aqua, Purple
Substance name: n/a
Index No: n/a
CAS-No: n/a
EC-No: n/a
HS Tariff code: 32159070

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

Use of the substance/mixture: Preparation for use in writing instruments.
Recommended restrictions on use: No information available.

1.3: Details of the supplier of the safety data sheet

Company:	Multichem Limited	DIPRO di Guido Nicol
	Tyne Mills Industrial Estate	Via Alessandria 55
	Hexham	10152
	Northumberland NE46 1XL	Torino
	UK	Italy
Telephone:	+44 1434 606 085	
Fax:	+44 1434 601 804	
e-mail:	mail@multichem.net	

1.4: Emergency telephone number

+44 7826 174 755

SECTION 2: Hazards Identification

2.1: Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008 and GB CLP

2.2: Label Elements

No labelling according to Regulation (EC) No. 1272/2008 and GB CLP

2.3: Other hazards

EUH208 – Contains 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-one and a reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one for preservation during storage. May produce an allergic reaction.

EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist

Safety Data Sheet according to UN GHS, Regulation (EC) No. 1907/2006 (REACH), Regulation (EU) No. 2020/878 Annex II, Regulation (EC) No. 1272/2008 (CLP) and GB CLP

Water-based White Marker Ink AWM White

Water-based Paint Marker Ink WPM Black, White, Lime Green, Ruby Red, Red, Orange, Yellow, Pink, Aqua, Purple

Data Sheet No: DS542

Version No: 001

Issue Date: 2nd November 2022

Page 2

SECTION 3: Composition / information on ingredients

3.1: Substances

Not applicable

3.2: Mixtures

Substance name	CAS No. EC No. Index No. Registration No.	% (weight)	Classification according to Regulation (EC) No. 1272/2008 (CLP) and GB MCL	SCL, M-factor, ATE
1-Methoxy-2-propanol	107-98-2 203-539-1 603-064-00-3 01-2119457435-35	<9%	H226 (3), H336 (3)	ATE (oral) LD50 3739-4277 mg/kg ATE (inhalation) LC50 (4 h) 6000 – 7000 ppm ATE (dermal) LD50 2000 mg/kg
1,2-benzisothiazol-3(2H)-one (BIT)	2634-33-5 220-120-9 613-088-00-6 01-2120761540-60	<0.036%	H318 (1), H330 (2) H400 (1), H411 (2)	BIT Oral LD50 490 - 670 mg/kg bw (rat) Dermal LD50 2 000 mg/kg bw (rat) Skin Sens. 1; H317: C ≥ 0,05 % M = 1
2-methyl-2H-isothiazol-3-one (MIT)	2682-20-4 220-239-6 613-326-00-9 01-2120764690-50	<0.0013%	H301 (3), H311 (3), H330 (2), H314 (1B), H318 (1), H317 (1A), H400 (1), H410 (1)	Oral LD50 mg/kg bw (rat) Dermal LD50 mg/kg bw (rat) Skin Sens. 1; H317: C ≥ 0,0015 % M = 10
Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CMIT/MIT)	55965-84-9 911-418-6 613-167-00-5 01-2120764691-48	<0.0007%	H301 (3), H310 (2), H314, (1C), H317 (1A), H318 (1), H330 (2), H400 (1), H410 (1)	Oral LD50 64 - 561 mg/kg bw (rat)

Safety Data Sheet according to UN GHS, Regulation (EC) No. 1907/2006 (REACH), Regulation (EU) No. 2020/878 Annex II, Regulation (EC) No. 1272/2008 (CLP) and GB CLP

Water-based White Marker Ink AWM White

Water-based Paint Marker Ink WPM Black, White, Lime Green, Ruby Red, Red, Orange, Yellow, Pink, Aqua, Purple

Data Sheet No: DS542

Version No: 001

Issue Date: 2nd November 2022

Page 3

				<p>Inhalation LC50 (4 h) 171 - 2360 mg/m³ air (rat)</p> <p>Dermal LD50 87.12 - 660 mg/kg bw (rabbit)</p> <p>Skin Sens. 1A; H317:C ≥ 0,015 %</p> <p>M=100</p>
--	--	--	--	---

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: Description of first aid measures

4.1: Description of first aid measures

4.1.1: General advice:

Take off all contaminated clothing immediately.

4.1.2: In case of inhalation:

Remove to fresh air. If symptoms persist, seek medical advice. If unconscious place in recovery position.

4.1.3: In case of skin contact:

Wash off with plenty of water. If skin irritation persists, seek medical advice.

4.1.4: In case of eye contact:

Rinse thoroughly with plenty of water, also under the eyelids. Consult an eye specialist immediately.

4.1.5: In case of ingestion:

Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. If swallowed, seek medical advice immediately and show this container or label.

4.1.6: Self-protection for first aider:

Wear appropriate PPE to prevent contamination of skin, eyes and personal clothing.

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

No further information available.

4.3: Indication of immediate medical attention and special treatment needed

Treat symptomatically. No further information available.

Safety Data Sheet according to UN GHS, Regulation (EC) No. 1907/2006 (REACH), Regulation (EU) No. 2020/878 Annex II, Regulation (EC) No. 1272/2008 (CLP) and GB CLP

Water-based White Marker Ink AWM White

Water-based Paint Marker Ink WPM Black, White, Lime Green, Ruby Red, Red, Orange, Yellow, Pink, Aqua, Purple

Data Sheet No: DS542

Version No: 001

Issue Date: 2nd November 2022

Page 4

SECTION 5: Firefighting measures

5.1: Extinguishing media

5.1.1: Suitable extinguishing media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray, alcohol-resistant foam, dry chemical or carbon dioxide (do not use carbon dioxide in enclosed spaces).

5.1.2: Unsuitable extinguishing media:

High volume water jet.

5.2: Special hazards arising from the substance or mixture

In case of fire hazardous decomposition products may be produced, such as carbon monoxide (CO) and carbon dioxide (CO₂).

5.3: Advice for firefighter

5.3.1: Special protective equipment for firefighters:

In the event of fire, wear self-contained breathing apparatus. Wear appropriate body protection (full protective suit).

5.3.2: Further information:

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1: Personal precautions, protective equipment and emergency procedures

6.1.1: For non-emergency personnel

Protective equipment:

Wear appropriate PPE to prevent contamination of skin, eyes and personal clothing.

Emergency procedures:

Avoid contact with skin and eyes.

6.1.2: For emergency responders

Tight fitting safety goggles, appropriate gloves, and protective clothing (please refer to Section 8).

6.2: Environmental precautions

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. Do not allow to contaminate ground water system.

6.3: Methods and materials for containment and cleaning up

6.3.1: For containment

Contain spillage using bunding. Cover drains where possible. Re-cap leaking containers and take whatever steps possible to prevent further leakage.

Safety Data Sheet according to UN GHS, Regulation (EC) No. 1907/2006 (REACH), Regulation (EU) No. 2020/878 Annex II, Regulation (EC) No. 1272/2008 (CLP) and GB CLP

Water-based White Marker Ink AWM White

Water-based Paint Marker Ink WPM Black, White, Lime Green, Ruby Red, Red, Orange, Yellow, Pink, Aqua, Purple

Data Sheet No: DS542

Version No: 001

Issue Date: 2nd November 2022

Page 5

6.3.2 – For cleaning up

Collect with non-combustible absorbent material (for example, sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see Section 13).

6.3.3 – Other information

Treat recovered material as described in Section 13.

6.4: Reference to other sections

For personal protection see Section 8.

Section 7: Handling and storage

7.1: Precautions for safe handling

7.1.1: Protective measures:

Keep container tightly closed. Avoid contact with skin and eyes. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity.

7.1.2: Measures to prevent fire:

No special measures required.

7.1.3: Measures to prevent aerosol and dust generation:

Avoid generating any spray mist.

7.1.4: Measures to protect the environment:

Do not let product enter drains. If the product contaminates rivers and lakes or drains inform respective authorities.

7.1.5: Advice on general occupational hygiene:

Keep away from food, drink, and animal feeding stuffs. Eating, and drinking should be prohibited in the application area. Wash hands before breaks and at the end of the working day. Take off all contaminated clothing.

7.2: Conditions for safe storage, including any incompatibilities

7.2.1: Technical measures and storage conditions:

Store tightly closed in a cool and dry place.

7.2.2: Packaging materials:

Store tightly closed in original container.

7.2.3: Requirements for storage rooms and vessels:

Protect from frost and avoid direct contact with cold floors. Keep away from direct sunlight.

7.2.4 – Further information on storage conditions:

Store tightly closed in a cool and dry place. Store tightly closed in original container. Protect from frost and avoid direct contact with cold floors. Keep away from direct sunlight. Keep in a well-ventilated place. Keep away from food, drink and animal feedstuffs.

Safety Data Sheet according to UN GHS, Regulation (EC) No. 1907/2006 (REACH), Regulation (EU) No. 2020/878 Annex II, Regulation (EC) No. 1272/2008 (CLP) and GB CLP

Water-based White Marker Ink AWM White

Water-based Paint Marker Ink WPM Black, White, Lime Green, Ruby Red, Red, Orange, Yellow, Pink, Aqua, Purple

Data Sheet No: DS542

Version No: 001

Issue Date: 2nd November 2022

Page 6

7.3: Specific end use(s)

7.3.1: Recommendations:

Preparation for use in writing instruments. Please refer to sections 7.1 and 7.2

7.3.2: Industrial sector specific solutions:

No information available.

SECTION 8: Exposure controls/personal protection

8.1: Control parameters

SUBSTANCE NAME: 1-Methoxy-2-propanol									
EC number: 203-539-1					CAS number: 107-98-2				
DNELs									
Route of exposure	Workers				Consumers				
	Acute effects local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effects local	Acute effects systemic	Chronic effects local	Chronic effects systemic	
Oral	Not required					No hazard identified	No hazard identified	33 mg/kg bw/day	
Inhalation	553.5 mg/m ³	553.5 mg/m ³	No hazard identified	369 mg/m ³	950 mg/m ³	No hazard identified	No hazard identified	43.9 mg/m ³	
Dermal	No hazard identified	No hazard identified	No hazard identified	183 mg/kg bw/day	No hazard identified	No hazard identified	No hazard identified	78 mg/kg bw/day	

PNECs	
Environmental protection target	PNEC
Fresh water	10 mg/L
Freshwater sediments	52.3 mg/kg d.w.
Marine water	1 mg/L
Marine sediments	5.2 mg/kg d.w.
Food chain	No potential for bioaccumulation
Microorganisms in sewage treatment	100 mg/L
Soil (agricultural)	4.9 mg/kg d.w.
Air	No hazard identified

SUBSTANCE NAME: 1,2-benzisothiazol-3(2H)-one									
EC number: 220-120-9					CAS number: 2634-33-5				
DNELs									
Route of exposure	Workers				Consumers				
	Acute effects local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effects local	Acute effects systemic	Chronic effects local	Chronic effects systemic	
Oral	Not required					No hazard identified	No hazard identified	No hazard identified	
Inhalation	No hazard identified	No hazard identified	No hazard identified	6.81 mg/m ³	No hazard identified	No hazard identified	No hazard identified	1.2 mg/m ³	
Dermal	High hazard (no threshold derived)	No hazard identified	High hazard (no threshold derived)	966 µg/kg bw/day	High hazard (no threshold derived)	No hazard identified	High hazard (no threshold derived)	345 µg/kg bw/day	

Safety Data Sheet according to UN GHS, Regulation (EC) No. 1907/2006 (REACH), Regulation (EU) No. 2020/878 Annex II, Regulation (EC) No. 1272/2008 (CLP) and GB CLP

Water-based White Marker Ink AWM White

Water-based Paint Marker Ink WPM Black, White, Lime Green, Ruby Red, Red, Orange, Yellow, Pink, Aqua, Purple

Data Sheet No: DS542

Version No: 001

Issue Date: 2nd November 2022

Page 7

PNECs	
Environmental protection target	PNEC
Fresh water	4.03 µg/L
Freshwater sediments	49.9 µg/kg d.w.
Marine water	403 ng/L
Marine sediments	4.99 µg/kg d.w.
Food chain	No hazard identified
Microorganisms in sewage treatment	1.03 mg/L
Soil (agricultural)	3 mg/kg d.w.
Air	No hazard identified

SUBSTANCE NAME: 2-methyl-2H-isothiazol-3-one									
EC number: 220-239-6					CAS number: 2682-20-4				
DNELs									
Route of exposure	Workers				Consumers				
	Acute effects local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effects local	Acute effects systemic	Chronic effects local	Chronic effects systemic	
Oral	Not required					53 µg/kg bw/day	No hazard identified	27 µg/kg bw/day	
Inhalation	43 µg/m ³	No hazard identified	21 µg/m ³	No hazard identified	43 µg/m ³	No hazard identified	21 µg/m ³	No hazard identified	
Dermal	Medium hazard (no threshold derived)	No hazard identified	No hazard identified	No hazard identified	Medium hazard (no threshold derived)	No hazard identified	No hazard identified	No hazard identified	

PNECs	
Environmental protection target	PNEC
Fresh water	3.39 µg/L
Freshwater sediments	No hazard identified
Marine water	3.39 µg/L
Marine sediments	No hazard identified
Food chain	No hazard identified
Microorganisms in sewage treatment	230 µg/L
Soil (agricultural)	47.1 µg/kg d.w.
Air	No hazard identified

Safety Data Sheet according to UN GHS, Regulation (EC) No. 1907/2006 (REACH), Regulation (EU) No. 2020/878 Annex II, Regulation (EC) No. 1272/2008 (CLP) and GB CLP

Water-based White Marker Ink AWM White

Water-based Paint Marker Ink WPM Black, White, Lime Green, Ruby Red, Red, Orange, Yellow, Pink, Aqua, Purple

Data Sheet No: DS542

Version No: 001

Issue Date: 2nd November 2022

Page 8

SUBSTANCE NAME: Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one									
EC number: 911-418-6					CAS number: 55965-84-9				
DNELs									
Route of exposure	Workers				Consumers				
	Acute effects local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effects local	Acute effects systemic	Chronic effects local	Chronic effects systemic	
Oral	Not required								90 µg/kg bw/day
Inhalation	40 µg/m ³	No hazard identified	20 µg/m ³	No hazard identified	40 µg/m ³	No hazard identified	20 µg/m ³	No hazard identified	
Dermal	Medium hazard (no threshold derived)	No hazard identified	No hazard identified	No hazard identified	Medium hazard (no threshold derived)	No hazard identified	No hazard identified	No hazard identified	

PNECs	
Environmental protection target	PNEC
Fresh water	3.39 µg/L
Freshwater sediments	27 µg/kg d.w.
Marine water	3.39 µg/L
Marine sediments	27 µg/kg d.w.
Food chain	No hazard identified
Microorganisms in sewage treatment	230 µg/L
Soil (agricultural)	10 µg/kg d.w.
Air	No hazard identified

8.2: Exposure controls

8.2.1: Appropriate engineering controls:

Ensure adequate ventilation. Refer to protective measures listed in Sections 7 and 8.

8.2.2: Individual protection measures, such as personal protective equipment:

8.2.2.1: Eye/face protection:

Tight fitting safety goggles.

8.2.2.2: Skin protection:

Hand protection:

Wear suitable gloves. Take note of the information given by the producer concerning permeability and breakthrough times, and of special workplace conditions (mechanical strain, duration of contact). Protective gloves should be replaced at first signs of wear. Butyl rubber, 0.5 mm, Fluorocarbon rubber, 0.4 mm.

Other skin protection:

Wear suitable protective clothing.

8.2.2.3: Respiratory protection:

Not necessary if room well ventilated.

Safety Data Sheet according to UN GHS, Regulation (EC) No. 1907/2006 (REACH), Regulation (EU) No. 2020/878 Annex II, Regulation (EC) No. 1272/2008 (CLP) and GB CLP

Water-based White Marker Ink AWM White

Water-based Paint Marker Ink WPM Black, White, Lime Green, Ruby Red, Red, Orange, Yellow, Pink, Aqua, Purple

Data Sheet No: DS542

Version No: 001

Issue Date: 2nd November 2022

Page 9

8.2.2.4: Thermal hazards:

Not applicable.

8.2.3: Environmental exposure controls:

Do not let product enter drains. If the product contaminates rivers and lakes or drains inform respective authorities. Refer to section 6 for further information.

SECTION 9: Physical and chemical properties

9.1: Information on basic physical and chemical properties

Physical state:	liquid
Colour:	various
Odour:	Neutral, odour threshold - no data available
Melting point / freezing point:	0°C (water)
Boiling point:	100°C (water)
Flammability:	Not applicable
Upper/lower flammability or explosive limits:	Not applicable
Flash point:	Not applicable
Auto-ignition temperature:	Not applicable
Decomposition temperature:	Not applicable (only applies to self-reactive substances and mixtures)
pH:	6 to 8 (100%)
Viscosity:	1 to 5 mm ² /s
Solubility:	Miscible in water
Partition coefficient: n-octanol/water:	Not applicable (does not apply to mixtures)
Vapour pressure:	No data available
Absolute density:	1.05 g/cm ³
Relative density:	1.01 g/cm ³
Particle characteristics:	Not applicable (only applies to solids)

9.2 - Other information

No further relevant information available.

SECTION 10: Stability and reactivity

10.1 – Reactivity

Stable under normal storage conditions.

10.2 - Chemical Stability

Stable under normal storage conditions.

10.3 – Possibility of hazardous reactions

Stable under normal storage conditions.

Safety Data Sheet according to UN GHS, Regulation (EC) No. 1907/2006 (REACH), Regulation (EU) No. 2020/878 Annex II, Regulation (EC) No. 1272/2008 (CLP) and GB CLP

Water-based White Marker Ink AWM White

Water-based Paint Marker Ink WPM Black, White, Lime Green, Ruby Red, Red, Orange, Yellow, Pink, Aqua, Purple

Data Sheet No: DS542

Version No: 001

Issue Date: 2nd November 2022

Page 10

10.4 – Conditions to avoid

Keep away from direct sunlight. Protect from frost.

10.5 – Incompatible materials

Stable under normal storage conditions.

10.6 – Hazardous decomposition products

Under fire conditions: carbon monoxide (CO), carbon dioxide (CO₂).

SECTION 11 – Toxicological information

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

11.1.1 – Acute toxicity

1-methoxy-propan-2-ol (CAS No. 107-98-2)

Oral

LD50 3739 - 4277 mg/kg bw (rat)

Inhalation

LC50 (4 h) 6000 – 7000 ppm (mouse)

Dermal

LD50 2000 mg/kg bw (rat)

Other routes

No data available

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)

Oral

LD50 490 - 670 mg/kg bw (rat)

Inhalation

No data available

Dermal

LD50 2 000 mg/kg bw (rat)

Other routes

No data available

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)

Oral

LD50 120 – 327.7 mg/kg bw (rat)

Inhalation

LC50 (4 h) 100 - 422 mg/m³ air (rat)

Dermal

LD50 242 - 2 000 mg/kg bw (rat)

Other routes

No data available

Safety Data Sheet according to UN GHS, Regulation (EC) No. 1907/2006 (REACH), Regulation (EU) No. 2020/878 Annex II, Regulation (EC) No. 1272/2008 (CLP) and GB CLP

Water-based White Marker Ink AWM White

Water-based Paint Marker Ink WPM Black, White, Lime Green, Ruby Red, Red, Orange, Yellow, Pink, Aqua, Purple

Data Sheet No: DS542

Version No: 001

Issue Date: 2nd November 2022

Page 11

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)

Oral

LD50 64 - 561 mg/kg bw (rat)

Inhalation

LC50 (4 h) 171 - 2 360 mg/m³ air (rat)

Dermal

LD50 87.12 - 660 mg/kg bw (rabbit)

Other routes

No data available

11.1.2 – Skin corrosion/irritation

1-methoxy-propan-2-ol (CAS No. 107-98-2)

No adverse effect observed (not irritating)

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)

No adverse effect observed (not irritating)

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)

Adverse effect observed (corrosive)

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)

Adverse effect observed (corrosive)

11.1.3 – Serious eye damage/irritation

1-methoxy-propan-2-ol (CAS No. 107-98-2)

No adverse effect observed (not irritating)

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)

Adverse effect observed (irreversible damage)

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)

Adverse effect observed (irreversible damage)

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)

Adverse effect observed (irreversible damage)

11.1.4 – Respiratory or skin sensitisation

1-methoxy-propan-2-ol (CAS No. 107-98-2)

Skin

No adverse effect observed (not sensitising)

Respiratory

No adverse effect observed (not sensitising)

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)

Skin

Adverse effect observed (sensitising)

Respiratory

No data available

Safety Data Sheet according to UN GHS, Regulation (EC) No. 1907/2006 (REACH), Regulation (EU) No. 2020/878 Annex II, Regulation (EC) No. 1272/2008 (CLP) and GB CLP

Water-based White Marker Ink AWM White

Water-based Paint Marker Ink WPM Black, White, Lime Green, Ruby Red, Red, Orange, Yellow, Pink, Aqua, Purple

Data Sheet No: DS542

Version No: 001

Issue Date: 2nd November 2022

Page 12

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)

Skin

Adverse effect observed (sensitising)

Respiratory

No data available

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)

Skin

Adverse effect observed (sensitising)

Respiratory

No data available

11.1.5 – Germ cell mutagenicity

1-methoxy-propan-2-ol (CAS No. 107-98-2)

Toxicity – InVitro

No adverse effect observed (negative)

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)

Toxicity – InVitro

No adverse effect observed (negative)

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)

Toxicity – InVitro

No adverse effect observed (negative)

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)

Toxicity – InVitro

No adverse effect observed (negative)

11.1.6 – Carcinogenicity

1-methoxy-propan-2-ol (CAS No. 107-98-2)

No data available

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)

No data available

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)

Oral

No adverse effect observed NOAEL 69 mg/kg bw/day (chronic, rat)

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)

Oral

No adverse effect observed NOAEL 17.2 mg/kg bw/day (chronic, rat)

Dermal

No adverse effect observed NOAEL 400 mg/kg bw/day (chronic, mouse)

Safety Data Sheet according to UN GHS, Regulation (EC) No. 1907/2006 (REACH), Regulation (EU) No. 2020/878 Annex II, Regulation (EC) No. 1272/2008 (CLP) and GB CLP

Water-based White Marker Ink AWM White

Water-based Paint Marker Ink WPM Black, White, Lime Green, Ruby Red, Red, Orange, Yellow, Pink, Aqua, Purple

Data Sheet No: DS542

Version No: 001

Issue Date: 2nd November 2022

Page 13

11.1.7 – Reproductive toxicity

1-methoxy-propan-2-ol (CAS No. 107-98-2)

No data available

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)

Effect on fertility – oral route

No adverse effect observed NOAEL 112 mg/kg bw/day (subchronic, rat)

Effect on developmental toxicity – oral route

No data available

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)

Effect on fertility – oral route

No adverse effect observed NOAEL 69 mg/kg bw/day (chronic, rat)

Effect on developmental toxicity – oral route

No adverse effect observed NOAEL 30 mg/kg bw/day (chronic, rabbit)

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)

Effect on fertility – oral route

No adverse effect observed NOAEL 22.7 mg/kg bw/day (subchronic, rat)

Effect on developmental toxicity – oral route

No adverse effect observed NOAEL 100 mg/kg bw/day (subchronic, rat)

11.1.8 – Summary of evaluation of the CMR properties

No data available

11.1.9 – STOT-single exposure

1-methoxy-propan-2-ol (CAS No. 107-98-2)

No data available

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)

No data available

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)

No data available

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)

No data available

11.1.10 – STOT-repeated exposure

1-methoxy-propan-2-ol (CAS No. 107-98-2)

Oral

NOAEL (mouse): 919 mg/kg bw/day

Inhalation

NOAEL (mouse): 1000 ppm

Dermal

NOAEL (rabbit): 1000 - 1838 mg/kg bw/day

Safety Data Sheet according to UN GHS, Regulation (EC) No. 1907/2006 (REACH), Regulation (EU) No. 2020/878 Annex II, Regulation (EC) No. 1272/2008 (CLP) and GB CLP

Water-based White Marker Ink AWM White

Water-based Paint Marker Ink WPM Black, White, Lime Green, Ruby Red, Red, Orange, Yellow, Pink, Aqua, Purple

Data Sheet No: DS542

Version No: 001

Issue Date: 2nd November 2022

Page 14

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)

Oral

Adverse effect observed NOAEL 69 mg/kg bw/day (subchronic, rat)

Inhalation

No data available

Dermal

No data available

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)

Oral

Adverse effect observed NOAEL 19 – 30.09 mg/kg bw/day (rat)

Inhalation

No data available

Dermal

No data available

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)

Oral

Adverse effect observed NOAEL 69 mg/kg bw/day (subchronic, rat)

Inhalation

No data available

Dermal

No data available

11.1.11 – Aspiration hazard

1-methoxy-propan-2-ol (CAS No. 107-98-2)

No data available

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)

No data available

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)

No data available

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)

No data available

SECTION 12 – Ecological information

12.1 – Toxicity

12.1.1 – Acute (short term) toxicity fish

1-methoxy-propan-2-ol (CAS No. 107-98-2)

LC50 (4 days) 1 - 20.8 g/L

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)

LC50 (4 days) 2.15 – 22 mg/L

Safety Data Sheet according to UN GHS, Regulation (EC) No. 1907/2006 (REACH), Regulation (EU) No. 2020/878 Annex II, Regulation (EC) No. 1272/2008 (CLP) and GB CLP

Water-based White Marker Ink AWM White

Water-based Paint Marker Ink WPM Black, White, Lime Green, Ruby Red, Red, Orange, Yellow, Pink, Aqua, Purple

Data Sheet No: DS542

Version No: 001

Issue Date: 2nd November 2022

Page 15

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)

LC50 (4 days) 4.77 – 6 mg/L

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)

LC50 (4 days) 190 – 300 µg/L

12.1.2 – Acute (short term) toxicity crustacea

1-methoxy-propan-2-ol (CAS No. 107-98-2)

LC50 (48 h) 21.1 - 25.9 g/L

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)

EC50 (48 h) 2.9 – 2.94 mg/L

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)

EC50 (48 h) 1.6 mg/L

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)

EC50 (48 h) 7 - 160 µg/L

12.1.3 – Acute (short term) toxicity algae/aquatic plants

1-methoxy-propan-2-ol (CAS No. 107-98-2)

No data available

Aquatic plants other than algae

No data available

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)

Algae

EC50 (72 h) 70 – 150 µg/L

Aquatic plants other than algae

No data available

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)

Algae

EC50 (4 days) 63 – 72.5 µg/L

Aquatic plants other than algae

No data available

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)

Algae

EC50 (72 h) 6.3 - 27.3 µg/L

Aquatic plants other than algae

No data available

12.1.4 – Acute (short term) toxicity other organisms

1-methoxy-propan-2-ol (CAS No. 107-98-2)

Microorganisms

IC50 (3 h) 1 g/L

Safety Data Sheet according to UN GHS, Regulation (EC) No. 1907/2006 (REACH), Regulation (EU) No. 2020/878 Annex II, Regulation (EC) No. 1272/2008 (CLP) and GB CLP

Water-based White Marker Ink AWM White

Water-based Paint Marker Ink WPM Black, White, Lime Green, Ruby Red, Red, Orange, Yellow, Pink, Aqua, Purple

Data Sheet No: DS542

Version No: 001

Issue Date: 2nd November 2022

Page 16

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)

Microorganisms

EC50 (3 h) 12.8 – 24 mg/L

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)

Microorganisms

EC50 (3 h) 41 mg/L

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)

Microorganisms

EC50 (3 h) 4.5 mg/L

12.1.5 – Chronic (long term) toxicity fish

1-methoxy-propan-2-ol (CAS No. 107-98-2)

No data available

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)

No data available

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)

NOEC (33 days) 2.1 – 8.5 mg/L

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)

NOEC (35 days) 46.4 µg/L

12.1.6 – Chronic (long term) toxicity crustacea

1-methoxy-propan-2-ol (CAS No. 107-98-2)

No data available

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)

No data available

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)

NOEC (21 days) 44.2 - 550 µg/L

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)

NOEC (21 days) 11.1 - 1 050 µg/L

12.1.7 – Chronic (long term) toxicity algae/aquatic plants

1-methoxy-propan-2-ol (CAS No. 107-98-2)

Algae

EC50 (7 days) 1 g/L

Aquatic plants other than algae

No data available

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)

Algae

No data available

Aquatic plants other than algae

No data available

Safety Data Sheet according to UN GHS, Regulation (EC) No. 1907/2006 (REACH), Regulation (EU) No. 2020/878 Annex II, Regulation (EC) No. 1272/2008 (CLP) and GB CLP

Water-based White Marker Ink AWM White

Water-based Paint Marker Ink WPM Black, White, Lime Green, Ruby Red, Red, Orange, Yellow, Pink, Aqua, Purple

Data Sheet No: DS542

Version No: 001

Issue Date: 2nd November 2022

Page 17

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)

Algae

No data available

Aquatic plants other than algae

No data available

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)

Algae

No data available

Aquatic plants other than algae

No data available

12.1.8 – Chronic (long term) toxicity other organisms

1-methoxy-propan-2-ol (CAS No. 107-98-2)

No data available

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)

Terrestrial macroorganisms except arthropods

EC10 / LC10 / NOEC 234.5 mg/kg soil dw

Terrestrial plants

EC10 / LC10 / NOEC (50 days) 30 mg/kg soil dw

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)

No data available

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)

Terrestrial macroorganisms except arthropods

NOEC (14 days) 710 - 14 300 µg/kg soil dw

Terrestrial plants

NOEC (21 days) 2.7 - 1 000 mg/kg soil dw

Birds

LC50 (8 days) 945 - 3 532.46 mg/kg diet

12.2 - Persistence and biodegradability

12.2.1 – Abiotic degradation

1-methoxy-propan-2-ol (CAS No. 107-98-2)

No data available

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)

No data available

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)

No data available

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)

No data available

Safety Data Sheet according to UN GHS, Regulation (EC) No. 1907/2006 (REACH), Regulation (EU) No. 2020/878 Annex II, Regulation (EC) No. 1272/2008 (CLP) and GB CLP

Water-based White Marker Ink AWM White

Water-based Paint Marker Ink WPM Black, White, Lime Green, Ruby Red, Red, Orange, Yellow, Pink, Aqua, Purple

Data Sheet No: DS542

Version No: 001

Issue Date: 2nd November 2022

Page 18

12.2.2 – Physical and photo-chemical elimination

1-methoxy-propan-2-ol (CAS No. 107-98-2)

No data available

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)

Phototransformation in air

Dissipation half life (DT50)

7.568 h

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)

Phototransformation in air

Dissipation half life (DT50)

13 – 14.35 h

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)

Phototransformation in air

Dissipation half life (DT50)

12.6 - 29.9 h

12.2.3 – Biodegradation

1-methoxy-propan-2-ol (CAS No. 107-98-2)

No data available

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)

Biodegradation in water – screening tests

No biodegradation observed (100%)

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)

Biodegradation in water – screening tests

No biodegradation observed (100%)

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)

Biodegradation in water – screening tests

Inherently biodegradable (100%)

12.3 – Bioaccumulative potential

1-methoxy-propan-2-ol (CAS No. 107-98-2)

No data available

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)

No data available

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)

No data available

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)

No data available

Safety Data Sheet according to UN GHS, Regulation (EC) No. 1907/2006 (REACH), Regulation (EU) No. 2020/878 Annex II, Regulation (EC) No. 1272/2008 (CLP) and GB CLP

Water-based White Marker Ink AWM White

Water-based Paint Marker Ink WPM Black, White, Lime Green, Ruby Red, Red, Orange, Yellow, Pink, Aqua, Purple

Data Sheet No: DS542

Version No: 001

Issue Date: 2nd November 2022

Page 19

12.3.1 – Partition coefficient n-octanol / water (log Kow)

1-methoxy-propan-2-ol (CAS No. 107-98-2)

0.37 @ 20 °C

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)

0.7 @ 20 °C

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)

-0.486 @ 20 °C

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)

0.75

12.3.2 – Bioconcentration factor (BCF)

1-methoxy-propan-2-ol (CAS No. 107-98-2)

No data available

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)

6.62

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)

No data available

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)

No data available

12.4 – Mobility in soil

1-methoxy-propan-2-ol (CAS No. 107-98-2)

No data available

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)

No data available

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)

No data available

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)

No data available

12.4.1 – Known or predicted distribution to environmental compartments

1-methoxy-propan-2-ol (CAS No. 107-98-2)

No data available

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)

No data available

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)

No data available

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)

No data available

Safety Data Sheet according to UN GHS, Regulation (EC) No. 1907/2006 (REACH), Regulation (EU) No. 2020/878 Annex II, Regulation (EC) No. 1272/2008 (CLP) and GB CLP

Water-based White Marker Ink AWM White

Water-based Paint Marker Ink WPM Black, White, Lime Green, Ruby Red, Red, Orange, Yellow, Pink, Aqua, Purple

Data Sheet No: DS542

Version No: 001

Issue Date: 2nd November 2022

Page 20

12.4.2 – Surface tension

1-methoxy-propan-2-ol (CAS No. 107-98-2)
70.7 mN/m @ 1 g/L and 20 °C

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)
72.6 mN/m @ 1 g/L and 20 °C

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)
68.8 – 72.32 mN/m @ 1 – 1.01 g/L and 19.5 – 20.1 °C

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)
72.3 mN/m @ 1 000 mg/L

12.4.3 – Adsorption/desorption

1-methoxy-propan-2-ol (CAS No. 107-98-2)
No data available

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)
Koc 9.33 @ 20 °C

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)
No data available

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)
No data available

12.5 – Results of PBT and vPvB assessment

1-methoxy-propan-2-ol (CAS No. 107-98-2)
This substance is not a PBT or a vPvB

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)
This substance is not a PBT or a vPvB

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)
This substance is not a PBT or a vPvB

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)
This substance is not a PBT or a vPvB

12.6 – Endocrine disrupting properties

1-methoxy-propan-2-ol (CAS No. 107-98-2)
No data available

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)
No data available

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)
No data available

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)
No data available

Safety Data Sheet according to UN GHS, Regulation (EC) No. 1907/2006 (REACH), Regulation (EU) No. 2020/878 Annex II, Regulation (EC) No. 1272/2008 (CLP) and GB CLP

Water-based White Marker Ink AWM White

Water-based Paint Marker Ink WPM Black, White, Lime Green, Ruby Red, Red, Orange, Yellow, Pink, Aqua, Purple

Data Sheet No: DS542

Version No: 001

Issue Date: 2nd November 2022

Page 21

12.7 – Other adverse effects

1-methoxy-propan-2-ol (CAS No. 107-98-2)

No data available

1,2-benzisothiazol-3(2H)-one (CAS No. 2634-33-5)

No data available

2-methyl-2H-isothiazol-3-one (CAS No. 2682-20-4)

No data available

Reaction mass of 5-chloro-2-methyl-4-iso-thiazolin-3-one and 2-methyl-2H-isothiazol-3-one (CAS No. 55965-84-9)

No data available

12.8 – Additional information

No additional information available.

SECTION 13 – Disposal considerations

13.1 – Waste treatment methods

13.1.1 – Product / Packaging disposal

Disposal together with normal waste is not allowed. Special disposal is required according to regional, national, and European legislation. Do not empty into drains. Contact waste disposal services. Contaminated packaging should be emptied thoroughly. It can be recycled after thorough and proper cleaning. Packaging that cannot be cleaned should be disposed of in the same manner as the product. Do not burn or use a cutting torch on the empty drum. Risk of explosion.

13.1.2 – Waste treatment – relevant information

No information available – treat as hazardous waste and dispose of in accordance with regional, national and European legislation.

13.1.3 – Sewage disposal – relevant information

Do not allow to enter the sewage system.

13.1.4 – Other disposal recommendations

No further information available.

SECTION 14 – Transport Information

14.1 - UN Number

Not dangerous goods for ADR, RID, IMDG and IATA-DGR

14.2 – UN proper shipping name

ADR: not applicable

RID: not applicable

IMDG: not applicable

IATA-DGR : not applicable

Safety Data Sheet according to UN GHS, Regulation (EC) No. 1907/2006 (REACH), Regulation (EU) No. 2020/878 Annex II, Regulation (EC) No. 1272/2008 (CLP) and GB CLP

Water-based White Marker Ink AWM White

Water-based Paint Marker Ink WPM Black, White, Lime Green, Ruby Red, Red, Orange, Yellow, Pink, Aqua, Purple

Data Sheet No: DS542

Version No: 001

Issue Date: 2nd November 2022

Page 22

14.3 – Transport hazardous class(es)

Labels/classification code/ hazard identification number/tunnel restriction code

ADR: not applicable

RID: not applicable

IMDG : not applicable

IATA-DGR : not applicable

14.4 - Packing group

ADR: not applicable

RID: not applicable

IMDG: not applicable

IATA-DGR : not applicable

14.5 - Environmental hazards

Labelling according to 5.2.1.8 ADR: No

Labelling according to 5.2.1.8 RID: No

Labelling according to 5.2.1.6.3 IMDG: No

Labelling according to IATA-DGR: No

Classification as environmentally hazardous according to 2.9.3 IMDG: No

Classified as 'P' according to 2.10 IMDG: No

14.6 - Special precautions for user

No information available.

14.7 – Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15 – Regulatory Information

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

Regulation (EC) No. 1907/2006 (REACH)

Regulation (EC) No. 2020/878 Annex II

Regulation (EC) No. 1272/2008 (CLP)

Regulation (EC) No 1907/2006 (REACH), Article 57 SVHC Candidate list – none

UN GHS

GB CLP

GB MCL

International Inventories:

Europe (EINECS): all components are listed or exempt

US (TSCA): all components are listed or exempt

Canada (DSL/NDSL): all components are listed or exempt

Japan (ENCS): at least one component is not listed

Philippines (PICCS): at least one component is not listed

China (IECSC): at least one component is not determined

Safety Data Sheet according to UN GHS, Regulation (EC) No. 1907/2006 (REACH), Regulation (EU) No. 2020/878 Annex II, Regulation (EC) No. 1272/2008 (CLP) and GB CLP

Water-based White Marker Ink AWM White

Water-based Paint Marker Ink WPM Black, White, Lime Green, Ruby Red, Red, Orange, Yellow, Pink, Aqua, Purple

Data Sheet No: DS542

Version No: 001

Issue Date: 2nd November 2022

Page 23

Australia (AICS): at least one component is not listed
Korea (KECL): at least one component is not listed
New Zealand (NZIoC): at least one component is not listed
Taiwan (TCSI): at least one component is not listed

15.2 - Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture.

SECTION 16 – Other Information

16.1 – Indication of changes

SDS amended in accordance with Regulation (EC) No. 2020/878 Annex II

16.2 – Abbreviations and acronyms

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (The European Agreement concerning the International Carriage of Dangerous Goods by Road).
ATE: Acute Toxicity Estimate
BCF: Bio Concentration Factor
CLP: Classification, Labelling and Packaging
DNEL: Derived No Effect Level
DT50: Half life
EC: European Commission
EC50: Effective Concentration Limit (half maximal)
GB CLP: Great Britain Classification, Labelling and Packaging
GB MCL: Great Britain Mandatory Classification List
IATA: International Air Transport Association
IMDG: International Maritime Dangerous Goods
LC50: Lethal Concentration (50% of sample population)
LD50: Lethal Dose (50% of sample population)
M-Factor: Multiplying Factor
NOAEC: No Observed Adverse Effect Concentration
NOAEL: No Observed Adverse Effect Level
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted No Effect Concentration
PPE: Personal Protective Equipment
RID: Regulations Concerning the International Transport of Dangerous Goods by Rail
SCL: Specific Concentration Limit
STOT: Specific Target Organ Toxicity
UFI: Unique Formula Identifier code
UN GHS: United Nations Globally Harmonised System
vPvB: Very persistent, very bioaccumulative

16.3 - Key literature references and sources for data

European Chemicals Agency (ECHA) - information on chemicals

Safety Data Sheet according to UN GHS, Regulation (EC) No. 1907/2006 (REACH), Regulation (EU) No. 2020/878 Annex II, Regulation (EC) No. 1272/2008 (CLP) and GB CLP

Water-based White Marker Ink AWM White

Water-based Paint Marker Ink WPM Black, White, Lime Green, Ruby Red, Red, Orange, Yellow, Pink, Aqua, Purple

Data Sheet No: DS542

Version No: 001

Issue Date: 2nd November 2022

Page 24

16.4 – Classification and procedures used to derive the classification for mixtures according to Regulation (EC) No. 1272/2008 (CLP) and GB CLP

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008 and GB CLP

16.5 – Relevant H-statements (number and full text)

- H226: Flammable liquid and vapour.
- H301: Toxic if swallowed.
- H310: Fatal in contact with skin.
- H311: Toxic in contact with skin.
- H314: Causes severe skin burns and eye damage.
- H317: May cause and allergic skin reaction.
- H318: Causes serious eye damage.
- H330: Fatal if inhaled.
- H336: May cause drowsiness and dizziness.
- H400: Very toxic to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.
- H411: Toxic to aquatic life with long lasting effects.

16.6 - Training advice

None.

16.7 - Further information

None.

The information provided in this safety data sheet is correct to our knowledge at the date of its revision. The information given only describes the products regarding safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship. The information contained in this safety data sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.