FABER-CASTELL
since 1761

Safety Data Sheet

Textliner Ink Yellow 22/4807

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

1.1. Product identifier

Textliner Ink Yellow 22/4807

Further trade names

Included in Textliner 154207, 154307, 154607, 154674, 154807, 156807, 157707, 157774, 157778, 250607 and Textliner Refill 154907; 142950 Scribero Combi Ink Roller and Text Marker
Bundle 205062

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

Use of the substance/mixture

Ink in writing instrument

1.3. Details of the supplier of the safety data sheet

Company name:	A.W. Faber-Castell Peruana S.A. Peruana		
Street:	Av. La Molina 161		
Place:	PE PE Lima 3		
Telephone:	0051-1-612-1900		
Contact person:	Maria Claudia Rodriguez	Telephone:	0051-1-612-1900-2216
E-mail:	Maria.Rodriguez@Faber-Castell.com.pe		
Internet:	www.faber-castell.com.pe		

1.4. Emergency telephone number:

0051-1-612-1900-2216

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

2.3. Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Water-based ink with dyes, preservatives and additives.

Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
497-19-8	sodium carbonate			1 - < 5 %
	207-838-8	011-005-00-2	01-2119485498-19	
	Eye Irrit. 2; H319			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
497-19-8	207-838-8	sodium carbonate	1 - < 5 %
	oral: LD50 = 4090 mg/kg		

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air.
In case of feeling unwell seek medical advice.

After contact with skin

Wash with water and soap.

After contact with eyes

Rinse with eyelid held open for several minutes with running water.
In case of irritation, seek medical advice.

After ingestion

Drink large amounts of water and fresh air.
In case of feeling unwell seek medical advice.

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

If packaging or plastic boxes are burning:
Carbon dioxide (CO2). Extinguishing powder. Water spray.
large fire: Water spray.

Unsuitable extinguishing media

For this substance / preparation no extinguishing agent restriction exist.

5.2. Special hazards arising from the substance or mixture

No specific hazards known.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

The product itself does not burn.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

No special measures are necessary.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Other information

Bind with absorbent material. Dispose of waste according to applicable legislation.

6.4. Reference to other sections

Information for safe handling, see section 7.
Information for personal protective equipment, see section 8.
Information for disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep container tightly closed.
Handle and open container with care.
Secure an adequate ventilation.

Advice on protection against fire and explosion

Thee are no special fire and explosion safety measures required.

Advice on general occupational hygiene

The chemicals in dealing with the usual precautions must be observed.
Wash hands before breaks and after work.

Further information on handling

No special measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Ink: Protect from freezing.
Recommended storage temperatur: 5 - 35 °C

Hints on joint storage

Do not mix with Alkali.

Further information on storage conditions

Do not mix with acids.

7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
57-50-1	Sucrose	-	10		TWA (8 h)	WEL
		-	20		STEL (15 min)	WEL

8.2. Exposure controls

Individual protection measures, such as personal protective equipment

Eye/face protection

Safety glasses.

Hand protection

Wear suitable gloves.

Skin protection

not necessary

Respiratory protection

not necessary

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid	
Colour:	yellow	
Odour:	slightly	
Melting point/freezing point:		ca. 0 °C
Boiling point or initial boiling point and boiling range:		100 °C
Flammability:		No data available.
Lower explosion limits:		not applicable
Upper explosion limits:		not applicable
Flash point:		< 100 °C
Auto-ignition temperature:		No data available.
Decomposition temperature:		No data available.
pH-Value:		10,6
Viscosity / kinematic:		No data available.
Water solubility:		complete miscible
Solubility in other solvents		
Soluble in: Acetone, Ethanol		
Partition coefficient n-octanol/water:		No data available.
Vapour pressure: (at 20 °C)		No data available.
Vapour pressure:		No data available.
Density (at 20 °C):		1 g/cm³
Bulk density:		No data available.
Relative vapour density:		No data available.

9.2. Other information

Information with regard to physical hazard classes

Explosive properties	
not Explosive.	
Sustained combustibility:	No data available
Self-ignition temperature	
Solid:	No data available.
Gas:	No data available.
Oxidizing properties	
not flammable.	

Other safety characteristics

Evaporation rate:	No data available.
Solvent separation test:	No data available.
Solvent content:	1,00 %
Solid content:	17,54 %
Sublimation point:	No data available.
Softening point:	No data available.
Pour point:	No data available.
	No data available.
Viscosity / dynamic: (at 20 °C)	2,1 - 2,2 mPa·s
Flow time:	No data available.

Further Information

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

not proof against Strong acid and strong alkalis

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Do not mix with acids. Hazardous reactions: none known

10.5. Incompatible materials

Lye and acid.

10.6. Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1. Information on hazard classes

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
497-19-8	sodium carbonate				
	oral	LD50 4090 mg/kg	Ratte	IUCLID	

Irritation and corrosivity

Irritant effect on the eye: Slight irritation by basic pH.
Irritant effect on the skin: none known

11.2. Information on other hazards

Endocrine disrupting properties

No data available.

Further information

The product reinduces no harmful effects by our experience and the information available to us, while properly handling and normal usage.

SECTION 12: Ecological information

12.1. Toxicity

The product is non- toxic.

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] | [d]	Species	Source	Method
497-19-8	sodium carbonate						
	Acute fish toxicity	LC50	300 mg/l	96 h	Lepomis macrochirus		
	Acute crustacea toxicity	EC50	265 mg/l	48 h	Daphnia magna	IUCLID	

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.7. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Waste disposal according to official state regulations and local regulations.
German Waste Catalogue - Waste code: 080103
Disposal identification: Water-based colours
Water-based inks

Contaminated packaging

Clean with water.
Contaminated packaging must be completely emptied and can be re-cycled following appropriate cleaning.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No special measures are necessary.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (UK-REACH, annex XVII):

Entry 75

Directive 2010/75/EU on industrial emissions:	1 % (10 g/l)
Directive 2004/42/EC on VOC in paints and varnishes:	1 % (10 g/l)
Information according to Directive 2012/18/EU (SEVESO III):	Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Water hazard class (D):	1 - slightly hazardous to water

15.2. Chemical safety assessment

For this substance a chemical safety assessment is not required.

SECTION 16: Other information

Abbreviations and acronyms

Eye Irrit. 2: Eye irritation, hazard category 2
EC: European Community
CAS: Chemical Abstracts
TRGS: Technische Regeln für Gefahrstoffe
LD: letal Dose
DIN: Deutsches Institut für Normung
VwVwS: Verwaltungsvorschrift wassergefährdende Stoffe
A.W.: Anton Wolfgang
HZVA: Production, Blending, Sale and Application. Abbreviation of the European waste register.
VOC: Volatile Organic Compounds
EN: Europäische Norm
GHS: Globally Harmonized System

Relevant H and EUH statements (number and full text)

Causes serious eye irritation.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.
The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

FABER-CASTELL since 1761

Safety Data Sheet

Textliner Ink Blue 22/48/44

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

1.1. Product identifier

Textliner Ink Blue 22/48/44

Further trade names

article number 100-008-690; 100-003-014
Recipe No.: 22/4844
Included in Textliner 154652, 154851, 156851, 157736, 250651 and Textliner Refill 154951

UFI: 1F7F-WEPN-8997-TG9T

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

Use of the substance/mixture

Ink in writing instrument

1.3. Details of the supplier of the safety data sheet

Company name:	A.W. Faber-Castell Peruana S.A. Peruana	
Street:	Av. La Molina 161	
Place:	PE PE Lima 3	
Telephone:	0051-1-612-1900	
Contact person:	Maria Claudia Rodriguez	Telephone: 0051-1-612-1900-2216
E-mail:	Maria.Rodriguez@Faber-Castell.com.pe	
Internet:	www.faber-castell.com.pe	

1.4. Emergency telephone number:

0051-1-612-1900-2216

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin Sens. 1; H317

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

C.I. Reactive Blue 72

Signal word: Warning

Pictograms:



Hazard statements

May cause an allergic skin reaction.

Precautionary statements

Avoid breathing dust/fume/gas/mist/vapours/spray.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
IF ON SKIN: Wash with plenty of Water and soap.
If skin irritation or rash occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Additional advice on labelling

This product does not require labelling according to DIRECTIVE 1999/45/EC and REGULATION (EC) No 1272/2008.

2.3. Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Water-based ink with dyes, preservatives and additives.

Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
497-19-8	sodium carbonate			1 - < 5 %
	207-838-8	011-005-00-2	01-2119485498-19	
	Eye Irrit. 2; H319			
	C.I. Reactive Blue 72			1 - < 5 %
	942-002-2		01-2120074292-59	
	Skin Sens. 1B; H317			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
497-19-8	207-838-8	sodium carbonate	1 - < 5 %
	oral: LD50 = 4090 mg/kg		

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air.
In case of feeling unwell seek medical advice.

After contact with skin

Wash with water and soap.

After contact with eyes

Rinse with eyelid held open for several minutes with running water.
In case of irritation, seek medical advice.

After ingestion

Drink large amounts of water and fresh air.
In case of feeling unwell seek medical advice.

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

If packaging or plastic boxes are burning:
Carbon dioxide (CO2). Extinguishing powder. Water spray.
large fire: Water spray.

Unsuitable extinguishing media

For this substance / preparation no extinguishing agent restriction exist.

5.2. Special hazards arising from the substance or mixture

No specific hazards known.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

The product itself does not burn.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

No special measures are necessary.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Other information

Bind with absorbent material. Dispose of waste according to applicable legislation.

6.4. Reference to other sections

Information for safe handling, see section 7.
Information for personal protective equipment, see section 8.
Information for disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep container tightly closed.
Handle and open container with care.
Secure an adequate ventilation.

Advice on protection against fire and explosion

Thee are no special fire and explosion safety measures required.

Advice on general occupational hygiene

The chemicals in dealing with the usual precautions must be observed.
Wash hands before breaks and after work.

Further information on handling

No special measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Ink: Protect from freezing.
Recommended storage temperatur: 5 - 35 °C

Hints on joint storage

Do not mix with Alkali.

Further information on storage conditions

Do not mix with acids.

7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
57-50-1	Sucrose	-	10		TWA (8 h)	WEL
		-	20		STEL (15 min)	WEL

8.2. Exposure controls

Individual protection measures, such as personal protective equipment

Eye/face protection

Safety glasses.

Hand protection

Wear suitable gloves.

Skin protection

not necessary

Respiratory protection

not necessary

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	blue
Odour:	slightly
Melting point/freezing point:	ca. 0 °C
Boiling point or initial boiling point and boiling range:	100 °C
Flammability:	No data available.
Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Flash point:	> 100 °C
Auto-ignition temperature:	not applicable
Decomposition temperature:	No data available.
pH-Value:	10,6
Viscosity / kinematic:	No data available.
Water solubility:	complete miscible
Solubility in other solvents	
Soluble in: Acetone, Ethanol	
Partition coefficient n-octanol/water:	No data available.
Vapour pressure: (at 20 °C)	< 22 hPa
Vapour pressure: (at 50 °C)	No data available.
Density (at 20 °C):	1 g/cm³

Bulk density:	No data available.
Relative vapour density:	No data available.

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

not Explosive.

Sustained combustibility:	No data available

Self-ignition temperature

Solid:	No data available.
Gas:	No data available.

Oxidizing properties

not flammable.

Other safety characteristics

Evaporation rate:	No data available.
Solvent separation test:	No data available.
Solvent content:	0,99 %
Solid content:	17,00 %
Sublimation point:	No data available.
Softening point:	No data available.
Pour point:	No data available.
	No data available.
Viscosity / dynamic: (at 20 °C)	2,1 - 2,2 mPa·s
Flow time:	No data available.

Further Information

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

not proof against Strong acid and strong alkalis

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Do not mix with acids. Hazardous reactions: none known

10.5. Incompatible materials

Lye and acid.

10.6. Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1. Information on hazard classes

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
497-19-8	sodium carbonate				
	oral	LD50 4090 mg/kg	Ratte	IUCLID	

Irritation and corrosivity

Irritant effect on the eye: Slight irritation by basic pH.
Irritant effect on the skin: none known

11.2. Information on other hazards

Endocrine disrupting properties

No data available.

Further information

The product reinduces no harmful effects by our experience and the information available to us, while properly handling and normal usage.

SECTION 12: Ecological information

12.1. Toxicity

The product is non- toxic.

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] | [d]	Species	Source	Method
497-19-8	sodium carbonate						
	Acute fish toxicity	LC50	300 mg/l	96 h	Lepomis macrochirus		
	Acute crustacea toxicity	EC50	265 mg/l	48 h	Daphnia magna	IUCLID	

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.7. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Waste disposal according to official state regulations and local regulations.
German Waste Catalogue - Waste code: 080103
Disposal identification: Water-based colours
Water-based inks

Contaminated packaging

Clean with water.
Contaminated packaging must be completely emptied and can be re-cycled following appropriate cleaning.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No special measures are necessary.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (UK-REACH, annex XVII):
Entry 3, Entry 75

Directive 2010/75/EU on industrial emissions:	0,99 % (9,9 g/l)
Directive 2004/42/EC on VOC in paints and varnishes:	0,99 % (9,9 g/l)

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment

For this substance a chemical safety assessment is not required.

SECTION 16: Other information

Abbreviations and acronyms

Eye Irrit. 2: Eye irritation, hazard category 2
Skin Sens. 1: Skin sensitisation, hazard category 1
Skin Sens. 1B: Skin sensitisation, hazard category 1B
EC: European Community
CAS: Chemical Abstracts
TRGS: Technische Regeln für Gefahrstoffe
LD: letal Dose
DIN: Deutsches Institut für Normung
VwVwS: Verwaltungsvorschrift wassergefährdende Stoffe
A.W.: Anton Wolfgang
HZVA: Production, Blending, Sale and Application. Abbreviation of the European waste register.
VOC: Volatile Organic Compounds
EN: Europäische Norm
GHS: Globally Harmonized System

Classification for mixtures and used evaluation method

Classification	Classification procedure
Skin Sens. 1; H317	Calculation method

Relevant H and EUH statements (number and full text)

May cause an allergic skin reaction.
Causes serious eye irritation.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.
The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

FABER-CASTELL
since 1761

Safety Data Sheet

Textliner Ink Green 22/4863

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

1.1. Product identifier

Textliner Ink Green 22/4863

Further trade names

article number 100-008-691; 100-003-010
Included in Textliner 154263, 154363, 154663, 154677, 154863, 156863, 250663 and Textliner Refill 154963

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

Use of the substance/mixture

Ink in writing instrument

1.3. Details of the supplier of the safety data sheet

Company name:	A.W. Faber-Castell Peruana S.A. Peruana		
Street:	Av. La Molina 161		
Place:	PE PE Lima 3		
Telephone:	0051-1-612-1900		
Contact person:	Maria Claudia Rodriguez	Telephone:	0051-1-612-1900-2216
E-mail:	Maria.Rodriguez@Faber-Castell.com.pe		
Internet:	www.faber-castell.com.pe		

1.4. Emergency telephone number:

0051-1-612-1900-2216

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard statements

Contains C.I. Reactive Blue 72. May produce an allergic reaction.
Safety data sheet available on request.

Additional advice on labelling

This product does not require labelling according to DIRECTIVE 1999/45/EC and REGULATION (EC) No 1272/2008.

2.3. Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Water-based ink with dyes, preservatives and additives.

Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
497-19-8	sodium carbonate			1 - < 5 %
	207-838-8	011-005-00-2	01-2119485498-19	
	Eye Irrit. 2; H319			
	C.I. Reactive Blue 72			< 1 %
	942-002-2		01-2120074292-59	
	Skin Sens. 1B; H317			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
497-19-8	207-838-8	sodium carbonate	1 - < 5 %
	oral: LD50 = 4090 mg/kg		

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air.
In case of feeling unwell seek medical advice.

After contact with skin

Wash with water and soap.

After contact with eyes

Rinse with eyelid held open for several minutes with running water.
In case of irritation, seek medical advice.

After ingestion

Drink large amounts of water and fresh air.
In case of feeling unwell seek medical advice.

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

If packaging or plastic boxes are burning:
Carbon dioxide (CO_2). Extinguishing powder. Water spray.
large fire: Water spray.

Unsuitable extinguishing media

For this substance / preparation no extinguishing agent restriction exist.

5.2. Special hazards arising from the substance or mixture

No specific hazards known.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

The product itself does not burn.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

No special measures are necessary.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Other information

Bind with absorbent material. Dispose of waste according to applicable legislation.

6.4. Reference to other sections

Information for safe handling, see section 7.
Information for personal protective equipment, see section 8.
Information for disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep container tightly closed.
Handle and open container with care.
Secure an adequate ventilation.

Advice on protection against fire and explosion

Thee are no special fire and explosion safety measures required.

Advice on general occupational hygiene

The chemicals in dealing with the usual precautions must be observed.
Wash hands before breaks and after work.

Further information on handling

No special measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Ink: Protect from freezing.
Recommended storage temperatur: 5 - 35 °C

Hints on joint storage

Do not mix with Alkali.

Further information on storage conditions

Do not mix with acids.

7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
57-50-1	Sucrose	-	10		TWA (8 h)	WEL
		-	20		STEL (15 min)	WEL

8.2. Exposure controls

Individual protection measures, such as personal protective equipment

Eye/face protection

Safety glasses.

Hand protection

Wear suitable gloves.

Skin protection

not necessary

Respiratory protection

not necessary

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid	
Colour:	green	
Odour:	slightly	
Melting point/freezing point:		ca. 0 °C
Boiling point or initial boiling point and boiling range:		100 °C
Flammability:		No data available.
Lower explosion limits:		not applicable
Upper explosion limits:		not applicable
Flash point:		100 °C
Auto-ignition temperature:		No data available.
Decomposition temperature:		No data available.
pH-Value:		10,3
Viscosity / kinematic:		No data available.
Water solubility:		complete miscible
Solubility in other solvents		
Soluble in: Acetone, Ethanol		
Partition coefficient n-octanol/water:		No data available.
Vapour pressure: (at 20 °C)		No data available.
Vapour pressure:		No data available.
Density (at 20 °C):		1 g/cm³
Bulk density:		No data available.
Relative vapour density:		No data available.

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

not Explosive.

Sustained combustibility:	No data available
Self-ignition temperature	
Solid:	No data available.

Gas:	No data available.

Oxidizing properties
not flammable.

Other safety characteristics

Evaporation rate:	No data available.
Solvent separation test:	No data available.
Solvent content:	0%
Solid content:	17,90 %
Sublimation point:	No data available.
Softening point:	No data available.
Pour point:	No data available.
	No data available.
Viscosity / dynamic: (at 20 °C)	2,1 - 2,2 mPa·s
Flow time:	No data available.

Further Information

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

not proof against Strong acid and strong alkalis

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Do not mix with acids. Hazardous reactions: none known

10.5. Incompatible materials

Lye and acid.

10.6. Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1. Information on hazard classes

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
497-19-8	sodium carbonate				
	oral	LD50 4090 mg/kg	Ratte	IUCLID	

Irritation and corrosivity

Irritant effect on the eye: Slight irritation by basic pH.
Irritant effect on the skin: none known

11.2. Information on other hazards

Endocrine disrupting properties

No data available.

Further information

The product reinduces no harmful effects by our experience and the information available to us, while properly handling and normal usage.

SECTION 12: Ecological information

12.1. Toxicity

The product is non- toxic.

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] | [d]	Species	Source	Method
497-19-8	sodium carbonate						
	Acute fish toxicity	LC50	300 mg/l	96 h	Lepomis macrochirus		
	Acute crustacea toxicity	EC50	265 mg/l	48 h	Daphnia magna	IUCLID	

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.7. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Waste disposal according to official state regulations and local regulations.
German Waste Catalogue - Waste code: 080103
Disposal identification: Water-based colours
Water-based inks

Contaminated packaging

Clean with water.
Contaminated packaging must be completely emptied and can be re-cycled following appropriate cleaning.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No special measures are necessary.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (UK-REACH, annex XVII):

Entry 75

Directive 2010/75/EU on industrial emissions: 0%

Directive 2004/42/EC on VOC in paints and varnishes: 0%

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment

For this substance a chemical safety assessment is not required.

SECTION 16: Other information

Abbreviations and acronyms

Eye Irrit. 2: Eye irritation, hazard category 2
Skin Sens. 1B: Skin sensitisation, hazard category 1B
EC: European Community
CAS: Chemical Abstracts
TRGS: Technische Regeln für Gefahrstoffe
LD: letal Dose
DIN: Deutsches Institut für Normung
VwVwS: Verwaltungsvorschrift wassergefährdende Stoffe
A.W.: Anton Wolfgang
HZVA: Production, Blending, Sale and Application. Abbreviation of the European waste register.
VOC: Volatile Organic Compounds
EN: Europäische Norm
GHS: Globally Harmonized System

Relevant H and EUH statements (number and full text)

May cause an allergic skin reaction.
Causes serious eye irritation.
Contains C.I. Reactive Blue 72. May produce an allergic reaction.
Safety data sheet available on request.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.
The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

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

1.1. Product identifier

Textliner Ink Orange 22/4815

Further trade names

article number 100-008-687; 100-084-987; 100-084-986
Included in Textliner 154215, 154315, 154615, 54675, 154815, 156815, 250615 and Textliner Refill 154915

UFI: QJ7F-EED1-J99Q-GTVV

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

Use of the substance/mixture

Ink in writing instrument

1.3. Details of the supplier of the safety data sheet

Company name:	A.W. Faber-Castell Peruana S.A. Peruana	
Street:	Av. La Molina 161	
Place:	PE PE Lima 3	
Telephone:	0051-1-612-1900	
Contact person:	Maria Claudia Rodriguez	Telephone: 0051-1-612-1900-2216
E-mail:	Maria.Rodriguez@Faber-Castell.com.pe	
Internet:	www.faber-castell.com.pe	

1.4. Emergency telephone number:

0051-1-612-1900-2216

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Eye Dam. 1; H318
Skin Sens. 1; H317

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

Reaction Product of Benzenesulfonic Acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic Acid, 4-methyl-and sodium hydroxide
2-methylisothiazol-3(2H)-one
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one

Signal word: Danger

Pictograms:



Hazard statements

May cause an allergic skin reaction.
Causes serious eye damage.

Precautionary statements

Avoid breathing dust/fume/gas/mist/vapours/spray.
Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
IF ON SKIN: Wash with plenty of Face and all exposed skin.
If skin irritation or rash occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor.

2.3. Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Water-based ink with dyes, preservatives and additives.

Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
	Reaction Product of Benzenesulfonic Acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic Acid, 4-methyl-and sodium hydroxide			1 - < 5 %
	932-051-8		01-2119565112-48	
	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3; H315 H318 H412			
111-46-6	2,2'-oxybisethanol; diethylene glycol			1 - < 5 %
	203-872-2	603-140-00-6		
	Acute Tox. 4; H302			
77-99-6	Trimethylolpropane			< 1 %
	201-074-9		01-2119486799-10	
	Repr. 2; H361fd			
2682-20-4	2-methylisothiazol-3(2H)-one			< 0.1 %
	220-239-6	613-326-00-9	01-2120764690-50	
	Acute Tox. 2, Acute Tox. 3, Acute Tox. 3, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H311 H301 H314 H318 H317 H400 H410 EUH071			
2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one			< 0.036 %
	220-120-9	613-088-00-6	01-2120761540-60	
	Acute Tox. 2, Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H302 H315 H318 H317 H400 H410			
52-51-7	bronopol (INN); 2-bromo-2-nitropropane-1,3-diol			< 0.1 %
	200-143-0	603-085-00-8	01-2119980938-15	
	Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, STOT SE 3, Aquatic Acute 1; H312 H302 H315 H318 H335 H400			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
111-46-6	203-872-2	2,2'-oxybisethanol; diethylene glycol	1 - < 5 %
	dermal: LD50 = 11890 mg/kg; oral: ATE = 500 mg/kg		
77-99-6	201-074-9	Trimethylolpropane	< 1 %
	inhalation: LC50 = >0,85 mg/l (vapours); dermal: LD50 = >10000 mg/kg; oral: LD50 = 14100 mg/kg		
2682-20-4	220-239-6	2-methylisothiazol-3(2H)-one	< 0.1 %
	inhalation: ATE = 0,5 mg/l (vapours); inhalation: ATE = 0,05 mg/l (dusts or mists); dermal: ATE = 300 mg/kg; oral: ATE = 100 mg/kg Skin Sens. 1A; H317: >= 0,0015 - 100 Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=1		
2634-33-5	220-120-9	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	< 0.036 %
	inhalation: ATE 0,21 mg/l (dusts or mists); oral: ATE 450 mg/kg Skin Sens. 1A; H317: >= 0,036 - 100 Aquatic Acute 1; H400: M=1 Aquatic Chronic 1; H410: M=1		
52-51-7	200-143-0	bronopol (INN); 2-bromo-2-nitropropane-1,3-diol	< 0.1 %
	dermal: ATE = 1100 mg/kg; oral: ATE = 500 mg/kg Aquatic Acute 1; H400: M=10		

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated clothing immediatley and dispose off safely.
If victim is at risk of losing consciousness, position and transport on their side.
Turn a vomating person to the side.

After inhalation

Provide fresh air.
Call a physician if symptoms develop or persist.

After contact with skin

Wash immediately with soap and plenty of water.
Use appropriate skin protective cream afterwards.
In case of prolonged skin irritation consult a physician.

After contact with eyes

Rinse with eyelid held open for several minutes with running water. Medical treatment necessary.

After ingestion

Drink large amounts of water and fresh air.

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

If packaging or plastic boxes are burning:
Carbon dioxide (CO_2). Extinguishing powder. Water spray.
large fire: Water spray.

Unsuitable extinguishing media

For this substance / preparation no extinguishing agent restriction exist.

5.2. Special hazards arising from the substance or mixture

No specific hazards known.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

The product itself does not burn.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Safety glasses. Gloves.
Keep away unguarded persons.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Other information

Bind with absorbent material. Dispose of waste according to applicable legislation.

6.4. Reference to other sections

Information for safe handling, see section 7.
Information for personal protective equipment, see section 8.
Information for disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep container tightly closed.
Handle and open container with care.
Secure an adequate ventilation.

Advice on protection against fire and explosion

No special measures necessary.

Advice on general occupational hygiene

The chemicals in dealing with the usual precautions must be observed. Wash hands before breaks and after work.

Further information on handling

No special measures necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Ink: Protect from freezing.
Recommended storage temperatur: 5 - 35 °C

Hints on joint storage

Do not mix with Alkali.

Further information on storage conditions

Do not mix with acids.

7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
111-46-6	2,2'-Oxydiethanol	23	101		TWA (8 h)	WEL

DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
	Reaction Product of Benzenesulfonic Acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic Acid, 4-methyl-and sodium hydroxide			
Worker DNEL, long-term		dermal	systemic	85 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	6 mg/m³
Consumer DNEL, long-term		oral	systemic	0,425 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	42,5 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	1,5 mg/m³
77-99-6	Trimethylolpropane			
Consumer DNEL, long-term		inhalation	systemic	0,58 mg/m³
Consumer DNEL, long-term		oral	systemic	0,34 mg/kg bw/day
Worker DNEL, long-term		dermal	systemic	0,94 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	3,3 mg/m³
Consumer DNEL, long-term		dermal	systemic	0,34 mg/kg bw/day
2682-20-4	2-methylisothiazol-3(2H)-one			
Worker DNEL, long-term		inhalation	local	0,021 mg/m³
Worker DNEL, acute		inhalation	local	0,043 mg/m³
Consumer DNEL, long-term		inhalation	local	0,021 mg/m³
Consumer DNEL, acute		inhalation	local	0,043 mg/m³
Consumer DNEL, long-term		oral	systemic	0,027 mg/kg bw/day
Consumer DNEL, acute		oral	systemic	0,053 mg/kg bw/day
2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one			
Worker DNEL, long-term		inhalation	systemic	6,81 mg/m³
Worker DNEL, long-term		dermal	systemic	0,966 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	1,2 mg/m³
Consumer DNEL, long-term		dermal	systemic	0,345 mg/kg bw/day
52-51-7	bronopol (INN); 2-bromo-2-nitropropane-1,3-diol			
Worker DNEL, long-term		inhalation	systemic	3,5 mg/m³
Worker DNEL, long-term		inhalation	local	2,5 mg/m³
Worker DNEL, acute		inhalation	systemic	2,5 mg/m³
Worker DNEL, long-term		dermal	systemic	2 mg/kg bw/day
Worker DNEL, acute		dermal	systemic	6 mg/kg bw/day

PNEC values

CAS No	Substance
Environmental compartment	Value
	Reaction Product of Benzenesulfonic Acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic Acid, 4-methyl-and sodium hydroxide
Freshwater	0,268 mg/kg
Freshwater (intermittent releases)	0,055 mg/l
Marine water	0,0268 mg/l
Freshwater sediment	8,1 mg/kg
Marine sediment	8,1 mg/kg
Microorganisms in sewage treatment plants (STP)	5,6 mg/l
Soil	35 mg/kg
77-99-6	Trimethylolpropane
Microorganisms in sewage treatment plants (STP)	100 mg/l
2682-20-4	2-methylisothiazol-3(2H)-one
Freshwater	0,00339 mg/l
Freshwater (intermittent releases)	0,00339 mg/l
Marine water	0,00339 mg/l
Microorganisms in sewage treatment plants (STP)	0,23 mg/l
Soil	0,0471 mg/kg
2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
Freshwater	0,00403 mg/l
Freshwater (intermittent releases)	0,0011 mg/l
Marine water	0,000403 mg/l
Freshwater sediment	0,0499 mg/l
Marine sediment	0,00499 mg/kg
Microorganisms in sewage treatment plants (STP)	1,03 mg/l
Soil	3 mg/kg
52-51-7	bronopol (INN); 2-bromo-2-nitropropane-1,3-diol
Freshwater	0,01 mg/l
Marine water	0,001 mg/l
Freshwater sediment	0,041 mg/kg
Marine sediment	0,003 mg/kg

Additional advice on limit values

Refer to chapter 7. No further action is necessary.

8.2. Exposure controls

Appropriate engineering controls

No special measures are necessary.

Individual protection measures, such as personal protective equipment

Eye/face protection

Safety glasses.

Hand protection

Wear suitable gloves.

Skin protection

For normal use not necessary.

Respiratory protection

For normal use not necessary.

Environmental exposure controls

Do not allow the product to enter the drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	orange
Odour:	slightly
Melting point/freezing point:	ca. 0 °C
Boiling point or initial boiling point and boiling range:	100 °C
Flammability:	not applicable
Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Flash point:	> 100 °C
Auto-ignition temperature:	not applicable
Decomposition temperature:	not applicable
pH-Value:	3,2
Viscosity / kinematic:	No data available.
Water solubility:	complete miscible

Solubility in other solvents

Soluble in: Acetone, Ethanol

Partition coefficient n-octanol/water:	No data available.
Vapour pressure: (at 20 °C)	< 22 hPa
Vapour pressure:	No data available.
Density (at 20 °C):	1 g/cm³
Bulk density:	No data available.
Relative vapour density:	No data available.
Particle characteristics:	No data available.

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

not Explosive.

Sustained combustibility:	No data available

Self-ignition temperature

Solid:	not applicable
Gas:	not applicable

Oxidizing properties

Non-oxidizing.

Other safety characteristics

Evaporation rate:	No data available.
Solvent separation test:	No data available.
Solvent content:	5,74 %
Solid content:	12,62 %
Sublimation point:	No data available.
Softening point:	No data available.

Pour point:	No data available. No data available.
Viscosity / dynamic: (at 20 °C)	2,1 - 2,2 mPa·s
Flow time:	No data available.

Further Information

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

not proof against Strong acid and strong alkalis

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Do not mix with acids. Hazardous reactions: none known

10.5. Incompatible materials

Lye and acid.

10.6. Hazardous decomposition products

none known

SECTION 11: Toxicological information

11.1. Information on hazard classes

ATEmix calculated

ATE (oral) > 5000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
111-46-6	2,2'-oxybisethanol; diethylene glycol				
	oral	ATE 500 mg/kg			
	dermal	LD50 11890 mg/kg	Kaninchen		
77-99-6	Trimethylolpropane				
	oral	LD50 14100 mg/kg	rat	ECHA	
	dermal	LD50 >10000 mg/kg	Rabbit	ECHA	
	inhalation (4 h) vapour	LC50 >0,85 mg/l	rat	ECHA	
2682-20-4	2-methylisothiazol-3(2H)-one				
	oral	ATE 100 mg/kg			
	dermal	ATE 300 mg/kg			
	inhalation vapour	ATE 0,5 mg/l			
	inhalation dust/mist	ATE 0,05 mg/l			
2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one				
	oral	ATE 450 mg/kg			
	inhalation dust/mist	ATE 0,21 mg/l			
52-51-7	bronopol (INN); 2-bromo-2-nitropropane-1,3-diol				
	oral	ATE 500 mg/kg			
	dermal	ATE 1100 mg/kg			

Irritation and corrosivity

Irritant effect on the eye: Slight irritation by basic pH.
Irritant effect on the skin: none known

Specific effects in experiment on an animal

The product was not tested on animals. The toxicological data were adopted by products of similar composition.

11.2. Information on other hazards

Endocrine disrupting properties

No data available.

Further information

The product reinduces no harmful effects by our experience and the information available to us, while properly handling and normal usage.

SECTION 12: Ecological information

12.1. Toxicity

No toxicity.

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] | [d]	Species	Source	Method
111-46-6	2,2'-oxybisethanol; diethylene glycol						
	Acute fish toxicity	LC50 mg/l	> 32000	96 h	Gambusia affinis		
77-99-6	Trimethylolpropane						
	Acute fish toxicity	LC50 mg/l	>1000	96 h	Ukelei (Alburnus alburnus)	ECHA	
	Acute algae toxicity	ErC50 mg/l	>1000	72 h	Alge (Pseudokirchneriellasub capitata)	ECHA	
	Acute crustacea toxicity	EC50 mg/l	13000	48 h	Daphnia magna	ECHA	
	Fish toxicity	NOEC mg/l	>1000	21 d	Daphnia magna	ECHA	

12.2. Persistence and degradability

No data available.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
77-99-6	Trimethylolpropane			
	OECD Guideline 301 E	6%	28	ECHA
	OECD Guideline 302C	100%	28	ECHA

12.3. Bioaccumulative potential

No data available.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
111-46-6	2,2'-oxybisethanol; diethylene glycol	-1,98 (25°C)
77-99-6	Trimethylolpropane	-0,8

BCF

CAS No	Chemical name	BCF	Species	Source
77-99-6	Trimethylolpropane	<17		ECHA

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.7. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Waste disposal according to official state regulations and local regulations.
German Waste Catalogue - Waste code: 080103
Disposal identification: Water-based colours
Water-based inks

Contaminated packaging

Clean with water.

Contaminated packaging must be completely emptied and can be re-cycled following appropriate cleaning.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No special measures are necessary.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (UK-REACH, annex XVII):

Entry 3, Entry 75

Directive 2010/75/EU on industrial emissions:	0,44 % (4,4 g/l)
Directive 2004/42/EC on VOC in paints and varnishes:	6,06 % (60,6 g/l)
Information according to Directive 2012/18/EU (SEVESO III):	Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

Acute Tox. 2: Acute toxicity, hazard category 2
Acute Tox. 3: Acute toxicity, hazard category 3
Acute Tox. 4: Acute toxicity, hazard category 4
Skin Corr. 1B: Skin corrosion, sub-category 1B
Skin Irrit. 2: Skin irritation, hazard category 2
Eye Dam. 1: Serious eye damage, hazard category 1
Skin Sens. 1: Skin sensitisation, hazard category 1
Skin Sens. 1A: Skin sensitisation, hazard category 1A
Repr. 2: Reproductive toxicity, hazard category 2
STOT SE 3: Specific target organ toxicity - single exposure, hazard category 3
Aquatic Acute 1: Hazardous to the aquatic environment, hazard category: Acute 1
Aquatic Chronic 1: Hazardous to the aquatic environment, long-term hazard category: Chronic 1
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard category: Chronic 3
EC: European Community
CAS: Chemical Abstracts
TRGS: Technische Regeln für Gefahrstoffe
LD: letal Dose
DIN: Deutsches Institut für Normung
VwVwS: Verwaltungsvorschrift wassergefährdende Stoffe
A.W.: Anton Wolfgang
HZVA: Production, Blending, Sale and Application. Abbreviation of the European waste register.
VOC: Volatile Organic Compounds
EN: Europäische Norm
GHS: Globally Harmonized System

Classification for mixtures and used evaluation method

Classification	Classification procedure
Eye Dam. 1; H318	Calculation method
Skin Sens. 1; H317	Calculation method

Relevant H and EUH statements (number and full text)

Toxic if swallowed.
Harmful if swallowed.
Toxic in contact with skin.
Harmful in contact with skin.
Causes severe skin burns and eye damage.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
Fatal if inhaled.
May cause respiratory irritation.
Suspected of damaging fertility. Suspected of damaging the unborn child.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.
Harmful to aquatic life with long lasting effects.
Corrosive to the respiratory tract.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.
The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

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

1.1. Product identifier

Textliner Ink Pink 22/4828

Further trade names

Further Material number: 100-003-006
Included in Textliner 154228, 154328, 154628, 154828, 156828, 250628 and Textliner Refill 154928

UFI: N1XM-76KG-H994-8C1E

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

Use of the substance/mixture

Ink in writing instrument

1.3. Details of the supplier of the safety data sheet

Company name:	A.W. Faber-Castell Peruana S.A. Peruana	
Street:	Av. La Molina 161	
Place:	PE PE Lima 3	
Telephone:	0051-1-612-1900	
Contact person:	Maria Claudia Rodriguez	Telephone: 0051-1-612-1900-2216
E-mail:	Maria.Rodriguez@Faber-Castell.com.pe	
Internet:	www.faber-castell.com.pe	

1.4. Emergency telephone number:

0051-1-612-1900-2216

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Eye Dam. 1; H318
Skin Sens. 1; H317

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

Reaction Product of Benzenesulfonic Acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic Acid, 4-methyl-and sodium hydroxide
2-methylisothiazol-3(2H)-one
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one

Signal word: Danger

Pictograms:



Hazard statements

May cause an allergic skin reaction.
Causes serious eye damage.

Precautionary statements

Avoid breathing dust/fume/gas/mist/vapours/spray.
Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
IF ON SKIN: Wash with plenty of Water and soap.
Specific treatment (see ... on this label).
If skin irritation or rash occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor.
Dispose of contents/container to Dispose cleaned packaging in accordance with national / local regulations (reuse, recycling, disposal)..

2.3. Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Water-based ink with dyes, preservatives and additives.

Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
	Reaction Product of Benzenesulfonic Acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic Acid, 4-methyl-and sodium hydroxide			5 - < 10 %
	932-051-8		01-2119565112-48	
	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3; H315 H318 H412			
989-38-8	C.I. Basic Red 1			< 1 %
	213-584-9			
	Acute Tox. 3, Eye Dam. 1, Aquatic Acute 1; H301 H318 H400			
77-99-6	Trimethylolpropane			< 1 %
	201-074-9		01-2119486799-10	
	Repr. 2; H361fd			
2682-20-4	2-methylisothiazol-3(2H)-one			< 0.1 %
	220-239-6	613-326-00-9	01-2120764690-50	
	Acute Tox. 2, Acute Tox. 3, Acute Tox. 3, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H311 H301 H314 H318 H317 H400 H410 EUH071			
2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one			< 0.036 %
	220-120-9	613-088-00-6	01-2120761540-60	
	Acute Tox. 2, Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H302 H315 H318 H317 H400 H410			
52-51-7	bronopol (INN); 2-bromo-2-nitropropane-1,3-diol			< 0.1 %
	200-143-0	603-085-00-8	01-2119980938-15	
	Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, STOT SE 3, Aquatic Acute 1; H312 H302 H315 H318 H335 H400			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
989-38-8	213-584-9	C.I. Basic Red 1	< 1 %
	oral: LD50 = 250 mg/kg		
77-99-6	201-074-9	Trimethylolpropane	< 1 %
	inhalation: LC50 = >0,85 mg/l (vapours); dermal: LD50 = >10000 mg/kg; oral: LD50 = 14100 mg/kg		
2682-20-4	220-239-6	2-methylisothiazol-3(2H)-one	< 0.1 %
	inhalation: ATE = 0,5 mg/l (vapours); inhalation: ATE = 0,05 mg/l (dusts or mists); dermal: ATE = 300 mg/kg; oral: ATE = 100 mg/kg Skin Sens. 1A; H317: >= 0,0015 - 100 Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=1		
2634-33-5	220-120-9	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	< 0.036 %
	inhalation: ATE 0,21 mg/l (dusts or mists); oral: ATE 450 mg/kg Skin Sens. 1A; H317: >= 0,036 - 100 Aquatic Acute 1; H400: M=1 Aquatic Chronic 1; H410: M=1		
52-51-7	200-143-0	bronopol (INN); 2-bromo-2-nitropropane-1,3-diol	< 0.1 %
	dermal: ATE = 1100 mg/kg; oral: ATE = 500 mg/kg Aquatic Acute 1; H400: M=10		

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated clothing immediatley and dispose off safely.
If victim is at risk of losing consciousness, position and transport on their side.
Turn a vomating person to the side.

After inhalation

Provide fresh air.
Call a physician if symptoms develop or persist.

After contact with skin

Wash immediately with soap and plenty of water.
Use appropriate skin protective cream afterwards.
In case of prolonged skin irritation consult a physician.

After contact with eyes

Rinse with eyelid held open for several minutes with running water. Medical treatment necessary.

After ingestion

Drink large amounts of water and fresh air.

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

If packaging or plastic boxes are burning:
Carbon dioxide (CO_2). Extinguishing powder. Water spray.
large fire: Water spray.

Unsuitable extinguishing media

For this substance / preparation no extinguishing agent restriction exist.

5.2. Special hazards arising from the substance or mixture

No specific hazards known.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

The product itself does not burn.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Safety glasses. Gloves.
Keep away unguarded persons.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Other information

Bind with absorbent material. Dispose of waste according to applicable legislation.

6.4. Reference to other sections

Information for safe handling, see section 7.
Information for personal protective equipment, see section 8.
Information for disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep container tightly closed.
Handle and open container with care.
Secure an adequate ventilation.

Advice on protection against fire and explosion

No special measures necessary.

Advice on general occupational hygiene

The chemicals in dealing with the usual precautions must be observed. Wash hands before breaks and after work.

Further information on handling

No special measures necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Ink: Protect from freezing.
Recommended storage temperatur: 5 - 35 °C

Hints on joint storage

Do not mix with Alkali.

Further information on storage conditions

Do not mix with acids.

7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
56-81-5	Glycerol, mist	-	10		TWA (8 h)	WEL

DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
	Reaction Product of Benzenesulfonic Acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic Acid, 4-methyl-and sodium hydroxide			
Worker DNEL, long-term		dermal	systemic	85 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	6 mg/m³
Consumer DNEL, long-term		oral	systemic	0,425 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	42,5 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	1,5 mg/m³
77-99-6	Trimethylolpropane			
Consumer DNEL, long-term		inhalation	systemic	0,58 mg/m³
Consumer DNEL, long-term		oral	systemic	0,34 mg/kg bw/day
Worker DNEL, long-term		dermal	systemic	0,94 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	3,3 mg/m³
Consumer DNEL, long-term		dermal	systemic	0,34 mg/kg bw/day
2682-20-4	2-methylisothiazol-3(2H)-one			
Worker DNEL, long-term		inhalation	local	0,021 mg/m³
Worker DNEL, acute		inhalation	local	0,043 mg/m³
Consumer DNEL, long-term		inhalation	local	0,021 mg/m³
Consumer DNEL, acute		inhalation	local	0,043 mg/m³
Consumer DNEL, long-term		oral	systemic	0,027 mg/kg bw/day
Consumer DNEL, acute		oral	systemic	0,053 mg/kg bw/day
2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one			
Worker DNEL, long-term		inhalation	systemic	6,81 mg/m³
Worker DNEL, long-term		dermal	systemic	0,966 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	1,2 mg/m³
Consumer DNEL, long-term		dermal	systemic	0,345 mg/kg bw/day
52-51-7	bronopol (INN); 2-bromo-2-nitropropane-1,3-diol			
Worker DNEL, long-term		inhalation	systemic	3,5 mg/m³
Worker DNEL, long-term		inhalation	local	2,5 mg/m³
Worker DNEL, acute		inhalation	systemic	2,5 mg/m³
Worker DNEL, long-term		dermal	systemic	2 mg/kg bw/day
Worker DNEL, acute		dermal	systemic	6 mg/kg bw/day

PNEC values

CAS No	Substance	
Environmental compartment		Value
	Reaction Product of Benzenesulfonic Acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic Acid, 4-methyl-and sodium hydroxide	
Freshwater		0,268 mg/kg
Freshwater (intermittent releases)		0,055 mg/l
Marine water		0,0268 mg/l
Freshwater sediment		8,1 mg/kg
Marine sediment		8,1 mg/kg
Microorganisms in sewage treatment plants (STP)		5,6 mg/l
Soil		35 mg/kg
77-99-6	Trimethylolpropane	
Microorganisms in sewage treatment plants (STP)		100 mg/l
2682-20-4	2-methylisothiazol-3(2H)-one	
Freshwater		0,00339 mg/l
Freshwater (intermittent releases)		0,00339 mg/l
Marine water		0,00339 mg/l
Microorganisms in sewage treatment plants (STP)		0,23 mg/l
Soil		0,0471 mg/kg
2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	
Freshwater		0,00403 mg/l
Freshwater (intermittent releases)		0,0011 mg/l
Marine water		0,000403 mg/l
Freshwater sediment		0,0499 mg/l
Marine sediment		0,00499 mg/kg
Microorganisms in sewage treatment plants (STP)		1,03 mg/l
Soil		3 mg/kg
52-51-7	bronopol (INN); 2-bromo-2-nitropropane-1,3-diol	
Freshwater		0,01 mg/l
Marine water		0,001 mg/l
Freshwater sediment		0,041 mg/kg
Marine sediment		0,003 mg/kg

Additional advice on limit values

Refer to chapter 7. No further action is necessary.

8.2. Exposure controls

Appropriate engineering controls

No special measures are necessary.

Individual protection measures, such as personal protective equipment

Eye/face protection

Safety glasses.

Hand protection

Wear suitable gloves.

Skin protection

For normal use not necessary.

Respiratory protection

For normal use not necessary.

Environmental exposure controls

Do not allow the product to enter the drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid	
Colour:	pink	
Odour:	slightly	
Melting point/freezing point:		ca. 0 °C
Boiling point or initial boiling point and boiling range:		100 °C
Flammability:		No data available.
Lower explosion limits:		not applicable
Upper explosion limits:		not applicable
Flash point:		> 100 °C
Auto-ignition temperature:		No data available.
Decomposition temperature:		No data available.
pH-Value:		3
Viscosity / kinematic:		No data available.
Water solubility:		complete miscible

Solubility in other solvents

No data available.

Partition coefficient n-octanol/water:	No data available.
Vapour pressure: (at 20 °C)	No data available.
Vapour pressure:	No data available.
Density (at 20 °C):	1 g/cm³
Bulk density:	No data available.
Relative vapour density:	No data available.
Particle characteristics:	not applicable

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

not Explosive.

Sustained combustibility:	No data available

Self-ignition temperature

Solid:	No data available.
Gas:	No data available.

Oxidizing properties

Non-oxidizing.

Other safety characteristics

Evaporation rate:	No data available.
Solvent separation test:	No data available.
Solvent content:	1,74 %
Solid content:	11,30 %
Sublimation point:	No data available.
Softening point:	No data available.

Pour point:	No data available.
	No data available.
Viscosity / dynamic: (at 20 °C)	2,7+/-0,5 mPa·s
Flow time:	No data available.

Further Information

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Not reactive.

10.2. Chemical stability

not proof against Strong acid and strong alkalis

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Do not mix with acids.

10.5. Incompatible materials

Lye and acid.

10.6. Hazardous decomposition products

none known

SECTION 11: Toxicological information

11.1. Information on hazard classes

ATEmix calculated

ATE (oral) > 5000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
989-38-8	C.I. Basic Red 1				
	oral	LD50 250 mg/kg	Rat		
77-99-6	Trimethylolpropane				
	oral	LD50 14100 mg/kg	rat	ECHA	
	dermal	LD50 >10000 mg/kg	Rabbit	ECHA	
	inhalation (4 h) vapour	LC50 >0,85 mg/l	rat	ECHA	
2682-20-4	2-methylisothiazol-3(2H)-one				
	oral	ATE 100 mg/kg			
	dermal	ATE 300 mg/kg			
	inhalation vapour	ATE 0,5 mg/l			
	inhalation dust/mist	ATE 0,05 mg/l			
2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one				
	oral	ATE 450 mg/kg			
	inhalation dust/mist	ATE 0,21 mg/l			
52-51-7	bronopol (INN); 2-bromo-2-nitropropane-1,3-diol				
	oral	ATE 500 mg/kg			
	dermal	ATE 1100 mg/kg			

Specific effects in experiment on an animal

The product was not tested on animals. The toxicological data were adopted by products of similar composition.

11.2. Information on other hazards

Other information

No data available.

Further information

The product reinduces no harmful effects by our experience and the information available to us, while properly handling and normal usage.

SECTION 12: Ecological information

12.1. Toxicity

No toxicity.

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] | [d]	Species	Source	Method
77-99-6	Trimethylolpropane						
	Acute fish toxicity	LC50 mg/l	>1000	96 h	Ukelei (Alburnus alburnus)	ECHA	
	Acute algae toxicity	ErC50 mg/l	>1000	72 h	Alge (Pseudokirchneriellasub capitata)	ECHA	
	Acute crustacea toxicity	EC50 mg/l	13000	48 h	Daphnia magna	ECHA	
	Fish toxicity	NOEC mg/l	>1000	21 d	Daphnia magna	ECHA	

12.2. Persistence and degradability

No data available.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
77-99-6	Trimethylolpropane			
	OECD Guideline 301 E	6%	28	ECHA
	OECD Guideline 302C	100%	28	ECHA

12.3. Bioaccumulative potential

No data available.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
77-99-6	Trimethylolpropane	-0,8

BCF

CAS No	Chemical name	BCF	Species	Source
77-99-6	Trimethylolpropane	<17		ECHA

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.7. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Waste disposal according to official state regulations and local regulations.
German Waste Catalogue - Waste code: 080103
Disposal identification: Water-based colours
Water-based inks

Contaminated packaging

Clean with water.
Contaminated packaging must be completely emptied and can be re-cycled following appropriate cleaning.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No special measures are necessary.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (UK-REACH, annex XVII):

Entry 3, Entry 75

Directive 2010/75/EU on industrial emissions:	2,18 % (21,8 g/l)
Directive 2004/42/EC on VOC in paints and varnishes:	2,06 % (20,6 g/l)
Information according to Directive 2012/18/EU (SEVESO III):	Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Water hazard class (D): 2 - obviously hazardous to water

15.2. Chemical safety assessment

For this substance a chemical safety assessment is not required.

SECTION 16: Other information

Abbreviations and acronyms

Acute Tox. 2: Acute toxicity, hazard category 2
Acute Tox. 3: Acute toxicity, hazard category 3
Acute Tox. 4: Acute toxicity, hazard category 4
Skin Corr. 1B: Skin corrosion, sub-category 1B
Skin Irrit. 2: Skin irritation, hazard category 2
Eye Dam. 1: Serious eye damage, hazard category 1
Skin Sens. 1: Skin sensitisation, hazard category 1
Skin Sens. 1A: Skin sensitisation, hazard category 1A
Repr. 2: Reproductive toxicity, hazard category 2
STOT SE 3: Specific target organ toxicity - single exposure, hazard category 3
Aquatic Acute 1: Hazardous to the aquatic environment, hazard category: Acute 1
Aquatic Chronic 1: Hazardous to the aquatic environment, long-term hazard category: Chronic 1
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard category: Chronic 3
EC: European Community
CAS: Chemical Abstracts
TRGS: Technische Regeln für Gefahrstoffe
LD: letal Dose
DIN: Deutsches Institut für Normung
VwVwS: Verwaltungsvorschrift wassergefährdende Stoffe
A.W.: Anton Wolfgang
HZVA: Production, Blending, Sale and Application. Abbreviation of the European waste register.
VOC: Volatile Organic Compounds
EN: Europäische Norm
GHS: Globally Harmonized System

Classification for mixtures and used evaluation method

Classification	Classification procedure
Eye Dam. 1; H318	Calculation method
Skin Sens. 1; H317	Calculation method

Relevant H and EUH statements (number and full text)

Toxic if swallowed.
Harmful if swallowed.
Toxic in contact with skin.
Harmful in contact with skin.
Causes severe skin burns and eye damage.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
Fatal if inhaled.
May cause respiratory irritation.
Suspected of damaging fertility. Suspected of damaging the unborn child.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.
Harmful to aquatic life with long lasting effects.
Corrosive to the respiratory tract.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.
The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

FABER-CASTELL
since 1761

Safety Data Sheet

Textliner Ink Red 22/4821

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

1.1. Product identifier

Textliner Ink Red 22/4821

Further trade names

Material number: 100-008-688; 100-003-005
Included in Textliner 154621, 154821, 156821, 250621 and Textliner Refill 154921

UFI: KXWM-Q6W3-699N-K0FC

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

Use of the substance/mixture

Ink in writing instrument

1.3. Details of the supplier of the safety data sheet

Company name:	A.W. Faber-Castell Peruana S.A. Peruana	
Street:	Av. La Molina 161	
Place:	PE PE Lima 3	
Telephone:	0051-1-612-1900	
Contact person:	Maria Claudia Rodriguez	Telephone: 0051-1-612-1900-2216
E-mail:	Maria.Rodriguez@Faber-Castell.com.pe	
Internet:	www.faber-castell.com.pe	

1.4. Emergency telephone number:

0051-1-612-1900-2216

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Eye Dam. 1; H318
Skin Sens. 1; H317

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

Reaction Product of Benzenesulfonic Acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic Acid, 4-methyl-and sodium hydroxide
2-methylisothiazol-3(2H)-one
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one

Signal word: Danger

Pictograms:



Hazard statements

May cause an allergic skin reaction.
Causes serious eye damage.

Precautionary statements

Avoid breathing dust/fume/gas/mist/vapours/spray.
Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
IF ON SKIN: Wash with plenty of Water and soap.
Specific treatment (see ... on this label).
If skin irritation or rash occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor.
Dispose of contents/container to ....

2.3. Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Water-based ink with dyes, preservatives and additives.

Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
	Reaction Product of Benzenesulfonic Acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic Acid, 4-methyl-and sodium hydroxide			1 - < 5 %
	932-051-8		01-2119565112-48	
	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3; H315 H318 H412			
77-99-6	Trimethylolpropane			< 1 %
	201-074-9		01-2119486799-10	
	Repr. 2; H361fd			
2682-20-4	2-methylisothiazol-3(2H)-one			< 0.1 %
	220-239-6	613-326-00-9	01-2120764690-50	
	Acute Tox. 2, Acute Tox. 3, Acute Tox. 3, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H311 H301 H314 H318 H317 H400 H410 EUH071			
2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one			< 0.036 %
	220-120-9	613-088-00-6	01-2120761540-60	
	Acute Tox. 2, Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H302 H315 H318 H317 H400 H410			
52-51-7	bronopol (INN); 2-bromo-2-nitropropane-1,3-diol			< 0.1 %
	200-143-0	603-085-00-8	01-2119980938-15	
	Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, STOT SE 3, Aquatic Acute 1; H312 H302 H315 H318 H335 H400			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
77-99-6	201-074-9	Trimethylolpropane	< 1 %
	inhalation: LC50 = >0,85 mg/l (vapours); dermal: LD50 = >10000 mg/kg; oral: LD50 = 14100 mg/kg		
2682-20-4	220-239-6	2-methylisothiazol-3(2H)-one	< 0.1 %
	inhalation: ATE = 0,5 mg/l (vapours); inhalation: ATE = 0,05 mg/l (dusts or mists); dermal: ATE = 300 mg/kg; oral: ATE = 100 mg/kg Skin Sens. 1A; H317: >= 0,0015 - 100 Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=1		
2634-33-5	220-120-9	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	< 0.036 %
	inhalation: ATE 0,21 mg/l (dusts or mists); oral: ATE 450 mg/kg Skin Sens. 1A; H317: >= 0,036 - 100 Aquatic Acute 1; H400: M=1 Aquatic Chronic 1; H410: M=1		
52-51-7	200-143-0	bronopol (INN); 2-bromo-2-nitropropane-1,3-diol	< 0.1 %
	dermal: ATE = 1100 mg/kg; oral: ATE = 500 mg/kg Aquatic Acute 1; H400: M=10		

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated clothing immediatley and dispose off safely.
If victim is at risk of losing consciousness, position and transport on their side.
Turn a vomating person to the side.

After inhalation

Provide fresh air.
Call a physician if symptoms develop or persist.

After contact with skin

Wash immediately with soap and plenty of water.
Use appropriate skin protective cream afterwards.
In case of prolonged skin irritation consult a physician.

After contact with eyes

Rinse with eyelid held open for several minutes with running water. Medical treatment necessary.

After ingestion

Drink large amounts of water and fresh air.

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

If packaging or plastic boxes are burning:
Carbon dioxide (CO2). Extinguishing powder. Water spray.
large fire: Water spray.

Unsuitable extinguishing media

For this substance / preparation no extinguishing agent restriction exist.

5.2. Special hazards arising from the substance or mixture

No specific hazards known.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

The product itself does not burn.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Safety glasses. Gloves.
Keep away unguarded persons.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Other information

Bind with absorbent material. Dispose of waste according to applicable legislation.

6.4. Reference to other sections

Information for safe handling, see section 7.
Information for personal protective equipment, see section 8.
Information for disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep container tightly closed.
Handle and open container with care.
Secure an adequate ventilation.

Advice on protection against fire and explosion

No special measures necessary.

Advice on general occupational hygiene

The chemicals in dealing with the usual precautions must be observed. Wash hands before breaks and after work.

Further information on handling

No special measures necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Ink: Protect from freezing.
Recommended storage temperatur: 5 - 35 °C

Hints on joint storage

Do not mix with Alkali.

Further information on storage conditions

Do not mix with acids.

7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
56-81-5	Glycerol, mist	-	10		TWA (8 h)	WEL

DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
	Reaction Product of Benzenesulfonic Acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic Acid, 4-methyl-and sodium hydroxide			
Worker DNEL, long-term		dermal	systemic	85 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	6 mg/m³
Consumer DNEL, long-term		oral	systemic	0,425 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	42,5 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	1,5 mg/m³
77-99-6	Trimethylolpropane			
Consumer DNEL, long-term		inhalation	systemic	0,58 mg/m³
Consumer DNEL, long-term		oral	systemic	0,34 mg/kg bw/day
Worker DNEL, long-term		dermal	systemic	0,94 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	3,3 mg/m³
Consumer DNEL, long-term		dermal	systemic	0,34 mg/kg bw/day
2682-20-4	2-methylisothiazol-3(2H)-one			
Worker DNEL, long-term		inhalation	local	0,021 mg/m³
Worker DNEL, acute		inhalation	local	0,043 mg/m³
Consumer DNEL, long-term		inhalation	local	0,021 mg/m³
Consumer DNEL, acute		inhalation	local	0,043 mg/m³
Consumer DNEL, long-term		oral	systemic	0,027 mg/kg bw/day
Consumer DNEL, acute		oral	systemic	0,053 mg/kg bw/day
2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one			
Worker DNEL, long-term		inhalation	systemic	6,81 mg/m³
Worker DNEL, long-term		dermal	systemic	0,966 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	1,2 mg/m³
Consumer DNEL, long-term		dermal	systemic	0,345 mg/kg bw/day
52-51-7	bronopol (INN); 2-bromo-2-nitropropane-1,3-diol			
Worker DNEL, long-term		inhalation	systemic	3,5 mg/m³
Worker DNEL, long-term		inhalation	local	2,5 mg/m³
Worker DNEL, acute		inhalation	systemic	2,5 mg/m³
Worker DNEL, long-term		dermal	systemic	2 mg/kg bw/day
Worker DNEL, acute		dermal	systemic	6 mg/kg bw/day

PNEC values

CAS No	Substance	
Environmental compartment		Value
	Reaction Product of Benzenesulfonic Acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic Acid, 4-methyl-and sodium hydroxide	
Freshwater		0,268 mg/kg
Freshwater (intermittent releases)		0,055 mg/l
Marine water		0,0268 mg/l
Freshwater sediment		8,1 mg/kg
Marine sediment		8,1 mg/kg
Microorganisms in sewage treatment plants (STP)		5,6 mg/l
Soil		35 mg/kg
77-99-6	Trimethylolpropane	
Microorganisms in sewage treatment plants (STP)		100 mg/l
2682-20-4	2-methylisothiazol-3(2H)-one	
Freshwater		0,00339 mg/l
Freshwater (intermittent releases)		0,00339 mg/l
Marine water		0,00339 mg/l
Microorganisms in sewage treatment plants (STP)		0,23 mg/l
Soil		0,0471 mg/kg
2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	
Freshwater		0,00403 mg/l
Freshwater (intermittent releases)		0,0011 mg/l
Marine water		0,000403 mg/l
Freshwater sediment		0,0499 mg/l
Marine sediment		0,00499 mg/kg
Microorganisms in sewage treatment plants (STP)		1,03 mg/l
Soil		3 mg/kg
52-51-7	bronopol (INN); 2-bromo-2-nitropropane-1,3-diol	
Freshwater		0,01 mg/l
Marine water		0,001 mg/l
Freshwater sediment		0,041 mg/kg
Marine sediment		0,003 mg/kg

Additional advice on limit values

Refer to chapter 7. No further action is necessary.

8.2. Exposure controls

Appropriate engineering controls

No special measures are necessary.

Individual protection measures, such as personal protective equipment

Eye/face protection

Safety glasses.

Hand protection

Wear suitable gloves.

Skin protection

For normal use not necessary.

Respiratory protection

For normal use not necessary.

Environmental exposure controls

Do not allow the product to enter the drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	red
Odour:	slightly
Melting point/freezing point:	ca. 0 °C
Boiling point or initial boiling point and boiling range:	100 °C
Flammability:	not applicable
Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Flash point:	> 100 °C
Auto-ignition temperature:	not applicable
Decomposition temperature:	not applicable
pH-Value:	2,9
Viscosity / kinematic:	No data available.
Water solubility:	complete miscible

Solubility in other solvents

Soluble in: Acetone, Ethanol

Partition coefficient n-octanol/water:	No data available.
Vapour pressure: (at 20 °C)	No data available.
Vapour pressure: (at 50 °C)	No data available.
Density (at 20 °C):	1 g/cm³
Bulk density:	No data available.
Relative vapour density:	No data available.
Particle characteristics:	not applicable

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

not Explosive.

Sustained combustibility:	No data available

Self-ignition temperature

Solid:	not applicable
Gas:	not applicable

Oxidizing properties

Non-oxidizing.

Other safety characteristics

Evaporation rate:	No data available.
Solvent separation test:	No data available.
Solvent content:	1,74 %
Solid content:	12,53 %
Sublimation point:	No data available.

Softening point:	No data available.
Pour point:	No data available.
	No data available.
Viscosity / dynamic: (at 20 °C)	3,1+/-0,5 mPa·s
Flow time:	No data available.

Further Information

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Not reactive.

10.2. Chemical stability

not proof against Strong acid and strong alkalis

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Do not mix with acids.

10.5. Incompatible materials

Lye and acid.

10.6. Hazardous decomposition products

none known

SECTION 11: Toxicological information

11.1. Information on hazard classes

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg

Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
77-99-6	Trimethylolpropane				
	oral	LD50 14100 mg/kg	rat	ECHA	
	dermal	LD50 >10000 mg/kg	Rabbit	ECHA	
	inhalation (4 h) vapour	LC50 >0,85 mg/l	rat	ECHA	
2682-20-4	2-methylisothiazol-3(2H)-one				
	oral	ATE 100 mg/kg			
	dermal	ATE 300 mg/kg			
	inhalation vapour	ATE 0,5 mg/l			
	inhalation dust/mist	ATE 0,05 mg/l			
2634-33-5	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one				
	oral	ATE 450 mg/kg			
	inhalation dust/mist	ATE 0,21 mg/l			
52-51-7	bronopol (INN); 2-bromo-2-nitropropane-1,3-diol				
	oral	ATE 500 mg/kg			
	dermal	ATE 1100 mg/kg			

Specific effects in experiment on an animal

The product was not tested on animals. The toxicological data were adopted by products of similar composition.

11.2. Information on other hazards

Endocrine disrupting properties

No data available.

Further information

The product reinduces no harmful effects by our experience and the information available to us, while properly handling and normal usage.

SECTION 12: Ecological information

12.1. Toxicity

No toxicity.

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] | [d]	Species	Source	Method
77-99-6	Trimethylolpropane						
	Acute fish toxicity	LC50 mg/l	>1000	96 h	Ukelei (Alburnus alburnus)	ECHA	
	Acute algae toxicity	ErC50 mg/l	>1000	72 h	Alge (Pseudokirchneriellasub capitata)	ECHA	
	Acute crustacea toxicity	EC50 mg/l	13000	48 h	Daphnia magna	ECHA	
	Fish toxicity	NOEC mg/l	>1000	21 d	Daphnia magna	ECHA	

12.2. Persistence and degradability

No data available.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
77-99-6	Trimethylolpropane			
	OECD Guideline 301 E	6%	28	ECHA
	OECD Guideline 302C	100%	28	ECHA

12.3. Bioaccumulative potential

No data available.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
77-99-6	Trimethylolpropane	-0,8

BCF

CAS No	Chemical name	BCF	Species	Source
77-99-6	Trimethylolpropane	<17		ECHA

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.7. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Waste disposal according to official state regulations and local regulations.
German Waste Catalogue - Waste code: 080103
Disposal identification: Water-based colours
Water-based inks

Contaminated packaging

Clean with water.
Contaminated packaging must be completely emptied and can be re-cycled following appropriate cleaning.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No special measures are necessary.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

Directive 2010/75/EU on industrial emissions:	2,62 % (26,2 g/l)
Directive 2004/42/EC on VOC in paints and varnishes:	2,38 % (23,8 g/l)
Information according to Directive 2012/18/EU (SEVESO III):	Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Abbreviations and acronyms

Acute Tox. 2: Acute toxicity, hazard category 2
Acute Tox. 3: Acute toxicity, hazard category 3
Acute Tox. 4: Acute toxicity, hazard category 4
Skin Corr. 1B: Skin corrosion, sub-category 1B
Skin Irrit. 2: Skin irritation, hazard category 2
Eye Dam. 1: Serious eye damage, hazard category 1
Skin Sens. 1: Skin sensitisation, hazard category 1
Skin Sens. 1A: Skin sensitisation, hazard category 1A
Repr. 2: Reproductive toxicity, hazard category 2
STOT SE 3: Specific target organ toxicity - single exposure, hazard category 3
Aquatic Acute 1: Hazardous to the aquatic environment, hazard category: Acute 1
Aquatic Chronic 1: Hazardous to the aquatic environment, long-term hazard category: Chronic 1
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard category: Chronic 3

Classification for mixtures and used evaluation method

Classification	Classification procedure
Eye Dam. 1; H318	Calculation method
Skin Sens. 1; H317	Calculation method

Relevant H and EUH statements (number and full text)

Toxic if swallowed.
Harmful if swallowed.
Toxic in contact with skin.
Harmful in contact with skin.
Causes severe skin burns and eye damage.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
Fatal if inhaled.
May cause respiratory irritation.
Suspected of damaging fertility. Suspected of damaging the unborn child.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.
Harmful to aquatic life with long lasting effects.
Corrosive to the respiratory tract.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.
The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)