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

- 1.1 Product identifier
- Trade name: Acrylic Paint
- Registration number: Data not available
- Other means of identification: Data not available

- 1.2 Relevant identified uses of the substance or mixture and uses advised against on
- Application of the substance/ mixture: Paint.
- Uses advised against: Data not available

- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
Ningbo Ruibol Sanfan Stationery CO., LTD.
48 Huancun, Longguan, Haishu, Ningbo, China
Tel: 0574-87006737
Email: 934213582@qq.com
- Only Representative/other EU contact point: No information available.

- Further information obtainable from: Ningbo Ruibol Sanfan Stationery CO., LTD.

- 1.4 Emergency telephone number
Tel: 0574-87006737

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
Classification according to regulation (EC) 1272/2008: The product is not classified according to CLP Regulation.
- Classification system:
The classification is according to the latest edition of Regulation 1272/2008, and extended by company and literature data.

- 2.2 Label elements
- Labeling according to Regulation (EC) No 1272/2008: The product is not labelled according to CLP Regulation.
- Hazard pictograms: Not applicable
- Signal word: Not applicable
- Hazard-determining components of labelling: Not applicable
- Hazard statements: Not applicable
- Precautionary statement: Not applicable

- 2.3 Other hazards
- Results of PBT and vPvB assessment
PBT: Not applicable
vPvB: Not applicable

SECTION 3: Composition/information on ingredients

- 3.1 Chemical characterization: Mixture
- Description:
Mixture of the substances listed below with nonhazardous additions; For the wording of the listed risk phrases refer to section 16.

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Substance	CAS No.	Index No.	EC No.	Conc. w/w	CLP Classification	SCL/M-factor
Red						
Water	7732-18-5	-	231-791-2	45%	None	-
Poly(acrylic acid)	9003-01-4	-	-	30%	None	-
Calcium carbonate	471-34-1	-	207-439-9	15%	None	-
Glycerin	56-81-5	-	200-289-5	4%	None	-
Pigment Red 21	6410-26-0	-	229-096-4	4%	None	-
2,2,4-Trimethyl- 1,3-pentanediol monoisobutyrate	25265-77-4	-	246-771-9	1.5%	None	-
Hydroxyethyl cellulose	9004-62-0	-	-	0.3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	-
Bronopol	52-51-7	603-085-00-8	200-143-0	0.2%	Eye Dam. 1, H318 Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Irrit. 2, H315 STOT SE 3, H335 Aquatic Acute 1, H400	Eye Dam. 1, H318: C \geq 10%; Eye Irrit. 2, H319: 5% \leq C<10%; Skin Irrit. 2, H315: C \geq 20%; STOT SE 3, H335: C \geq 20%; Acute Tox. 4, H302: C \geq 25%; Acute Tox. 4, H312: C \geq 25% Aquatic Acute 1, H400: M=10
Yellow						
Water	7732-18-5	-	231-791-2	45%	None	-
Poly(acrylic acid)	9003-01-4	-	-	30%	None	-
Calcium carbonate	471-34-1	-	207-439-9	15%	None	-
Glycerin	56-81-5	-	200-289-5	4%	None	-
Pigment Yellow 1	2512-29-0	-	219-730-8	4%	None	-
2,2,4-Trimethyl- 1,3-pentanediol monoisobutyrate	25265-77-4	-	246-771-9	1.5%	None	-
Hydroxyethyl cellulose	9004-62-0	-	-	0.3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	-
Bronopol	52-51-7	603-085-00-8	200-143-0	0.2%	Eye Dam. 1, H318 Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Irrit. 2, H315	Eye Dam. 1, H318: C \geq 10%; Eye Irrit. 2, H319: 5% \leq C<10%; Skin Irrit. 2, H315: C \geq 20%; STOT SE 3,

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					STOT SE 3, H335 Aquatic Acute 1, H400	H335: C \geq 20%; Acute Tox. 4, H302: C \geq 25%; Acute Tox. 4, H312: C \geq 25% Aquatic Acute 1, H400:M=10
Blue						
Water	7732-18-5	-	231-791-2	45%	None	-
Poly(acrylic acid)	9003-01-4	-	-	30%	None	-
Calcium carbonate	471-34-1	-	207-439-9	15%	None	-
Glycerin	56-81-5	-	200-289-5	4%	None	-
Pigment Blue 15:2	12239-87-1	-	235-476-0	4%	None	-
2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate	25265-77-4	-	246-771-9	1.5%	None	-
Hydroxyethyl cellulose	9004-62-0	-	-	0.3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	-
Bronopol	52-51-7	603-085-00-8	200-143-0	0.2%	Eye Dam. 1, H318 Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Irrit. 2, H315 STOT SE 3, H335 Aquatic Acute 1, H400	Eye Dam. 1, H318: C \geq 10%; Eye Irrit. 2, H319: 5% \leq C<10%; Skin Irrit. 2, H315: C \geq 20%; STOT SE 3, H335: C \geq 20%; Acute Tox. 4, H302: C \geq 25%; Acute Tox. 4, H312: C \geq 25% Aquatic A ute 1, H400:M=10
Green						
Water	7732-18-5	-	231-791-2	45%	None	-
Poly(acrylic acid)	9003-01-4	-	-	30%	None	-
Calcium carbonate	471-34-1	-	207-439-9	15%	None	-
Glycerin	56-81-5	-	200-289-5	4%	None	-
Phthalocyanine Green 7	1328-53-6	-	215-524-7	4%	None	-
2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate	25265-77-4	-	246-771-9	1.5%	None	-
Hydroxyethyl cellulose	9004-62-0	-	-	0.3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	-

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Bronopol	52-51-7	603-085-00-8	200-143-0	0.2%	Eye Dam. 1, H318 Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Irrit. 2, H315 STOT SE 3, H335 Aquatic Acute 1, H400	Eye Dam. 1, H318: C \geq 10%; Eye Irrit. 2, H319: 5% \leq C<10%; Skin Irrit. 2, H315: C \geq 20%; STOT SE 3, H335: C \geq 20%; Acute Tox. 4, H302: C \geq 25%; Acute Tox. 4, H312: C \geq 25% Aquatic Acute 1, H400:M=10
Black						
Water	7732-18-5	-	231-791-2	45%	None	-
Poly(acrylic acid)	9003-01-4	-	-	30%	None	-
Calcium carbonate	471-34-1	-	207-439-9	15%	None	-
Glycerin	56-81-5	-	200-289-5	4%	None	-
Carbon black	1333-86-4	-	215-609-9	4%	None	-
2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate	25265-77-4	-	246-771-9	1.5%	None	-
Hydroxyethyl cellulose	9004-62-0	-	-	0.3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	-
Bronopol	52-51-7	603-085-00-8	200-143-0	0.2%	Eye Dam. 1, H318 Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Irrit. 2, H315 STOT SE 3, H335 Aquatic Acute 1, H400	Eye Dam. 1, H318: C \geq 10%; Eye Irrit. 2, H319: 5% \leq C<10%; Skin Irrit. 2, H315: C \geq 20%; STOT SE 3, H335: C \geq 20%; Acute Tox. 4, H302: C \geq 25%; Acute Tox. 4, H312: C \geq 25% Aquatic Acute 1, H400:M=10
White						
Water	7732-18-5	-	231-791-2	44%	None	-
Poly(acrylic acid)	9003-01-4	-	-	30%	None	-
Calcium carbonate	471-34-1	-	207-439-9	10%	None	-
Titanium dioxide	13463-67-7	-	236-675-5	10%	None	-
Glycerin	56-81-5	-	200-289-5	4%	None	-

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2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate	25265-77-4	-	246-771-9	1.5%	None	-
Hydroxyethyl cellulose	9004-62-0	-	-	0.3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	-
Bronopol	52-51-7	603-085-00-8	200-143-0	0.2%	Eye Dam. 1, H318 Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Irrit. 2, H315 STOT SE 3, H335 Aquatic Acute 1, H400	Eye Dam. 1, H318: C \geq 10%; Eye Irrit. 2, H319: 5% \leq C<10%; Skin Irrit. 2, H315: C \geq 20%; STOT SE 3, H335: C \geq 20%; Acute Tox. 4, H302: C \geq 25%; Acute Tox. 4, H312: C \geq 25% Aquatic Acute 1, H400:M=10
Purple						
Water	7732-18-5	-	231-791-2	45%	None	-
Poly(acrylic acid)	9003-01-4	-	-	30%	None	-
Calcium carbonate	471-34-1	-	207-439-9	15%	None	-
Glycerin	56-81-5	-	200-289-5	4%	None	-
Pigment Violet 23	6358-30-1	-	228-767-9	4%	None	-
2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate	25265-77-4	-	246-771-9	1.5%	None	-
Hydroxyethyl cellulose	9004-62-0	-	-	0.3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	-
Bronopol	52-51-7	603-085-00-8	200-143-0	0.2%	Eye Dam. 1, H318 Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Irrit. 2, H315 STOT SE 3, H335 Aquatic Acute 1, H400	Eye Dam. 1, H318: C \geq 10%; Eye Irrit. 2, H319: 5% \leq C<10%; Skin Irrit. 2, H315: C \geq 20%; STOT SE 3, H335: C \geq 20%; Acute Tox. 4, H302: C \geq 25%; Acute Tox. 4, H312: C \geq 25% Aquatic Acute 1, H400:M=10
Rose						

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Water	7732-18-5	-	231-791-2	45%	None	-
Poly(acrylic acid	003-01-4	-	-	30%	None	-
Calcium carbonate	471-34-1	-	207-439-9	15%	None	-
Glycerin	56-81-5	-	200-289-5	4%	None	-
Pigment Red 122	980-26-7	-	213-561-3	4%	None	-
2,2,4-Trimethyl- 1,3-pentanediol monoisobutyrate	25265-77-4	-	246-771-9	1.5%	None	-
Hydroxyethyl cellulose	9004-62-0	-	-	0.3%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	-
Bronopol	52-51-7	603-085-00-8	200-143-0	0.2%	Eye Dam. 1, H318 Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Irrit. 2, H315 STOT SE 3, H335 Aquatic Acute 1, H400	Eye Dam. 1, H318: C _≥ 10%; Eye Irrit. 2, H319: 5%≤C<10%; Skin Irrit. 2, H315: C _≥ 20%; STOT SE 3, H335: C _≥ 20%; Acute Tox. 4, H302: C _≥ 25%; Acute Tox. 4, H312: C _≥ 25% Aquatic Acute 1, H400:M=10
Gold						
Water	7732-18-5	-	231-791-2	36.5%	None	-
Poly(acrylic acid)	9003-01-4	-	-	32%	None	-
Mica	12001-26-2	-	-	12%	None	-
Calcium carbonate	471-34-1	-	207-439-9	10%	None	-
Iron oxide (Fe ₂ O ₃)	1309-37-1	-	215-168-2	4%	None	-
Glycerin	56-81-5	-	200-289-5	2%	None	-
Titanium dioxide	13463-67-7	-	236-675-5	2%	None	-
2,2,4-Trimethyl- 1,3-pentanediol monoisobutyrate	25265-77-4	-	246-771-9	1%	None	-
Hydroxyethyl cellulose	9004-62-0	-	-	0.5%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	-
Silver						
Water	7732-18-5	-	231-791-2	36.5%	None	-
Poly(acrylic acid)	9003-01-4	-	-	32%	None	-
Mica	12001-26-2	-	-	12%	None	-
Calcium carbonate	471-34-1	-	207-439-9	10%	None	-
Titanium dioxide	13463-67-7	-	236-675-5	4%	None	-
Glycerin	56-81-5	-	200-289-5	2%	None	-
Carbon black	1333-86-4	-	215-609-9	2%	None	-

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2,2,4-Trimethyl- 1,3-pentanediol monoisobutyrate	25265-77-4	-	246-771-9	1%	None	-
Hydroxyethyl cellulose	9004-62-0	-	-	0.5%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	-

SECTION 4: First aid measures

· 4.1 Description of first aid measures

General advice: No special immediate medical required.

After inhalation: Supply with fresh air. Call a POISON CENTER/doctor, if you feel unwell.

After skin contact: No special measures required normally.

After eye contact: Rinse eyes with water. Get medical attention if you feel unwell.

After swallowing: Wash mouth. Get medical attention if you feel unwell.

· 4.2 Most important symptoms and effects, both acute and delayed: There are not any known symptoms or effects.

· 4.3 Indication of any immediate medical attention and special treatment needed: No special immediate medical attention or special treatment needed.

SECTION 5: Fire-fighting measures

· 5.1 Extinguishing media

· Suitable extinguishing agents: Use CO₂, powder, water spray or alcohol resistant foam to extinguish.

· Unsuitable extinguishing media: Water with full jet.

· 5.2 Special hazards arising from the substance or mixture: May produce irritant dust in air under fire.

· 5.3 Advice for firefighters

Protective equipment: Wear an approved positive pressure self-contained breathing apparatus (Comply with EN 133).

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures:

Cut off leakage source and collect spillage timely; Ensure adequate ventilation; Avoid contact with eyes.

· 6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so; Prevent spillage from entering drains, sewer, basement or confined areas; if the spillage contaminates rivers, lakes or drains inform respective authorities.

· 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust); Ensure good ventilation; Dispose contaminated material as waste according to section 13.

· 6.4 Reference to other sections:

See section 7 for information on safe handling; See section 8 for information on personal protection equipment; See section 13 for disposal information.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling: Avoid contact with eyes.

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- Information about fire and explosion protection: Normal measures for preventive fire protection.
- 7.2 Conditions for safe storage, including any non-compatibility
- Requirements to be met by storerooms and receptacles: Store in a cool and well-ventilated place.
- Information about storage in one common storage facility: No special requirement.
- Further information about storage conditions: No special requirement.
- 7.3 Specific end use(s): Paint.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:

Country	Limit value - Eight hours	Limit value - Short term
471-34-1 Calcium carbonate		
France	10 mg/m ³ Inhalable aerosol	-
Hungary	10 mg/m ³ Inhalable aerosol	-
Ireland	10 mg/m ³ Inhalable fraction; 4 mg/m ³ Respirable fraction	-
Latvia	6 mg/m ³	-
Poland	10 mg/m ³	-
United Kingdom	10 mg/m ³ Inhalable fraction; 4 mg/m ³ Respirable fraction	-
56-81-5 Glycerin		
Belgium	10 mg/m ³	-
Finland	20 mg/m ³	-
France	10 mg/m ³	-
Germany (AGS)	200 mg/m ³ Inhalable fraction	400 mg/m ³ Inhalable fraction; 15 minutes average value
Germany (DFG)	200 mg/m ³ Inhalable fraction	400 mg/m ³ Inhalable fraction; 15 minutes average value
Ireland	10 mg/m ³	-
Poland	10 mg/m ³	-
Spain	10 mg/m ³	-
United Kingdom	10 mg/m ³	-
1333-86-4 Carbon black		
Belgium	3.5 mg/m ³	-
Denmark	3.5 mg/m ³	7.0 mg/m ³
Finland	3.5 mg/m ³	7 mg/m ³ 15 minutes average value
France	3.5 mg/m ³	-
Ireland	3.5 mg/m ³	7 mg/m ³ 15 minutes reference period
Spain	3.5 mg/m ³	-
Sweden	3 mg/m ³	-
United Kingdom	3.5 mg/m ³	7 mg/m ³
13463-67-7 Titanium dioxide		
Belgium	10 mg/m ³	-
Denmark	6 mg/m ³ Total dust	10 mg/m ³ Total dust

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France	11 mg/m ³ Inhalable aerosol	-
Germany (DFG)	0.3 mg/m ³ Respirable fraction	2.4mg/m ³ Respirable fraction; 15 minutes average value
Ireland	10 mg/m ³ Inhalable fraction; 4 mg/m ³ Respirable fraction	-
Latvia	10 mg/m ³	-
Poland	10 mg/m ³	30 mg/m ³
Romania	10 mg/m ³	15 mg/m ³ 15 minutes average value
Spain	10 mg/m ³ Inhalable aerosol	-
Sweden	5 mg/m ³ Inhalable aerosol	-
United Kingdom	10 mg/m ³ Inhalable aerosol; 4 mg/m ³ Respirable aerosol	-
12001-26-2 Mica		
Austria	10 mg/m ³ Inhalable aerosol	-
Belgium	3 mg/m ³	-
Denmark	0.3 mg Fibres per cm ³	0.3 mg Fibres per cm ³
Ireland	10 mg/m ³ Inhalable fraction; 0.8 mg/m ³ Respirable fraction	-
Latvia	4 mg/m ³ and phlogopite, muscovite	-
United Kingdom	10 mg/m ³ Inhalable aerosol; 0.8 mg/m ³ Respirable aerosol	-
1309-37-1 Iron oxide (Fe ₂ O ₃) , fume or respirable dust (as Fe)		
Austria	5 mg/m ³ Respirable aerosol	10 mg/m ³ Respirable aerosol
Belgium	2ppm;5 mg/m ³	-
Denmark	3.5 mg/m ³	7 mg/m ³
Finland	5 mg/m ³ Calculated as Fe; fume	-
Hungary	6 mg/m ³ Respirable aerosol	-
Ireland	5 mg/m ³	10 mg/m ³ 15 minutes reference period
Poland	5 mg/m ³	10 mg/m ³
Romania	5 mg/m ³	10 mg/m ³ 15 minutes average value
Spain	5 mg/m ³	-
Sweden	3.5 mg/m ³	-
United Kingdom	5 mg/m ³	10 mg/m ³

· DNELs:

DNEL type		DNEL worker value	DNEL consumer value
9003-01-4 Poly(acrylic acid)			
Systemic Effects	Long-term, inhalation exposure	1.97 mg/m ³	348 µg/m ³
	Long-term, dermal exposure	560 µg/kg bw/day	200 µg/kg bw/day
	Long-term, oral exposure	-	200 µg/kg bw/day
471-34-1 Calcium carbonate			
Local effects	Long-term, inhalation exposure	6.36 mg/m ³	1.06 mg/m ³
56-81-5 Glycerin			
Local Effects	Long-term, inhalation exposure	56 mg/m ³	33 mg/m ³
Systemic Effects	Long-term, oral exposure	-	229 mg/kg bw/day
25265-77-4 2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate			

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Systemic Effects	Long-term, inhalation exposure	49 mg/m ³	14.5 mg/m ³
	Long-term, dermal exposure	13.9 mg/kg bw/day	8.33 mg/kg bw/day
	Long-term, oral exposure	-	8.33 mg/kg bw/day
12239-87-1 Pigment Blue 15:2			
Systemic Effects	Long-term, inhalation exposure	4 mg/m ³	-
	Long-term, dermal exposure	450 mg/kg bw/day	225 mg/kg bw/day
	Long-term, dermal exposure	-	45 mg/kg bw/day
1333-86-4 Carbon black			
Systemic Effects	Long-term, inhalation exposure	1 mg/m ³	60 µg/m ³
Local Effects	Long-term, inhalation exposure	500 µg/m ³	1.75 mg/m ³
13463-67-7 Titanium dioxide			
Local effects	Long-term, inhalation exposure	10 mg/m ³	-
Systemic effects	Long-term, oral exposure	-	700 mg/kg bw/day

· PNECs:

PNEC type	Value
9003-01-4 Poly(acrylic acid)	
Freshwater	3 µg/L
Intermittent releases (freshwater)	1.3 µg/L
Marine water	300 ng/L
Intermittent releases (marine water)	130 ng/L
Sewage treatment plant (STP)	900 µg/L
Sediment (freshwater)	20.7 µg/kg sediment dw
Sediment (marine water)	2.07 µg/kg sediment dw
471-34-1 Calcium carbonate	
Sewage treatment plant (STP)	100 mg/L
56-81-5 Glycerin	
Freshwater	885 µg/L
Intermittent releases (freshwater)	8.85 mg/L
Marine water	88.5 µg/L
Sewage treatment plant (STP)	1 g/L
Sediment (freshwater)	3.3 mg/kg sediment dw
Sediment (marine water)	330 µg/kg sediment dw
25265-77-4 2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate	
Freshwater	15 µg/L
Intermittent releases (freshwater)	150 µg/L
Marine water	1.5 µg/L
Sewage treatment plant (STP)	7.5 mg/L
Sediment (freshwater)	780 µg/kg sediment dw
Sediment (marine water)	78 µg/kg sediment dw
12239-87-1 Pigment Blue 15:2	
Sediment (freshwater)	10 mg/kg sediment dw
Sediment (marine water)	1 mg/kg sediment dw
1333-86-4 Carbon black	
Freshwater	1-50 mg/L
Intermittent releases (freshwater)	10 mg/L

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Marine water	100 µg/L
Intermittent releases (marine water)	1 mg/L
13463-67-7 Titanium dioxide	
Freshwater	184 µg/L
Intermittent releases (freshwater)	193 µg/L
Marine water	18.4 µg/L
Sewage treatment plant (STP)	100 mg/L
Sediment (freshwater)	1000 mg/kg sediment dw
Sediment (marine water)	100 mg/kg sediment dw

· Additional information: The lists valid during the marking were used as basis.

· 8.2 Exposure controls

· Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.

· Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice; Wash hands and face before breaks and at the end of work; See section 7 for information about design of technical facilities.

· Personal protective equipment

· Respiration protection: Dust mask is recommended.

· Protection of hands: No special protection of hands required.

· Eye protection: No special eye protection required.

· Environmental exposure controls:

Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· Appearance:

Form	Paste
Color	Red / Yellow / Blue / Green / Black / White / Purple / Rose / Gold / Silver
Odor	Odorless
Odor threshold	Not determined
· pH-value	5-7 at 20°C
· Change in condition	
Melting point/melting range	Not determined
Boiling point and boiling range	Not determined
· Freezing point	Not determined
· Flash point	>93°C (closed cup)
· Flammability (solid, gas)	Not applicable
· Decomposition temperature	Not determined
· Self-ignition	Not determined
· Danger of explosion	Product does not present explosive hazard
· Explosion limits	
Lower:	Not explosive
Upper:	Not explosive
· Oxidizing properties	Not determined
· Vapor pressure	Not determined
· Density	Not determined
· Relative density	Not determined
· Vapor density	Not determined

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· Evaporation rate	Not determined
· Solubility in/Miscibility with	
Water	Soluble in water
· Partition coefficient (n-octanol/water)	Not determined
· Viscosity	
Dynamic	Not determined
Kinematic	Not determined
· 9.2 Other information	Not determined

SECTION 10: Stability and reactivity

- 10.1 Reactivity: No decomposition if used according to specification.
- 10.2 Chemical stability: Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions: No known hazardous reactions.
- 10.4 Conditions to avoid: High temperatures.
- 10.5 Incompatible materials: Strong acid, strong oxidizing agent and alkali metals.
- 10.6 Hazardous decomposition products: No known hazardous decomposition products.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity: Based on available data, the classification criteria are not met.
- LD/LC50 values relevant for classification: No animal test has been done for this product.

9003-01-4 Poly(acrylic acid)

Rat	LD50-oral	2500mg/kg
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Mouse	LD50-oral	4600mg/kg
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471-34-1 Calcium carbonate

Rat	LD50-oral	6450mg/kg
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56-81-5 Glycerin

guinea pig	LD50-oral	7750mg/kg
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Rat	LD50-oral LC50-inhalation	12600mg/kg > 570mg/m ³ /1H
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Mouse	LD50-oral	4090mg/kg
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Rabbit	LD50-oral LD50-skin	27000mg/kg >10000mg/kg
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25265-77-4 2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate

Rat	LD50-oral	3200mg/kg
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Mouse	LD50-oral	3200mg/kg
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1333-86-4 Carbon black

Rabbit	LD50-skin	>3000mg/kg
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Rat	LD50-oral	>15400mg/kg
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13463-67-7 Titanium dioxide

Rat	LD50-oral LC50-inhalation	>20000mg/kg >6.82mg/L
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	n	
Rabbit	LD50-skin	>10000mg/kg
980-26-7 Pigment Red 122		
Rabbit	LD50-skin	>3000mg/kg
Rat	LD50-oral	>23000mg/kg
Remark: All the above data are from literature.		
<ul style="list-style-type: none"> · Skin corrosion/irritation: Based on available data, the classification criteria are not met. · Serious eyes damage/ irritation: Based on available data, the classification criteria are not met. · Respiratory or skin sensitization: Based on available data, the classification criteria are not met. · Germ cell mutagenicity: Based on available data, the classification criteria are not met. · Carcinogenicity: Based on available data, the classification criteria are not met. · Reproductive toxicity: Based on available data, the classification criteria are not met. · STOT-single exposure: Based on available data, the classification criteria are not met. · STOT-repeated exposure: Based on available data, the classification criteria are not met. · Aspiration hazard: Based on available data, the classification criteria are not met. 		

SECTION 12: Ecological information

- 12.1 Toxicity
- Aquatic toxicity: Not hazardous to the aquatic environment.

9003-01-4 Poly(acrylic acid)	
Short-term toxicity to fish	LC50 (4 days) 27 - 236 mg/L
Short-term toxicity to aquatic invertebrates	EC50 (48 h) 47 - 95 mg/L
	LC50 (4 days) 97 mg/L
471-34-1 Calcium carbonate	
Toxicity to aquatic algae and cyanobacteria	EC50 (72 h) 14 mg/L NOEC (72 h) 14 mg/L
Toxicity to microorganisms	EC50 (3 h) 1 g/L NOEC (3 h) 1 g/L
56-81-5 Glycerin	
Short-term toxicity to fish	LC50 (4 days) 54 g/L
Short-term toxicity to aquatic invertebrates	EC50 (24 h) 10 g/L
25265-77-4 2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate	
Short-term toxicity to fish	LC50 (4 days) 19 - 33 mg/L
	NOEC (4 days) 4.3 - 26 mg/L
Short-term toxicity to aquatic invertebrates	EC50 (48 h) 147.8 mg/L
Toxicity to aquatic algae and cyanobacteria	EC50 (72 h) 8.1 - 57 mg/L NOEC (72 h) 2 - 7.28 mg/L
52-51-7 Bronopol	
Short-term toxicity to fish	NOEC (4 days) 20 mg/L
Long-term toxicity to fish	NOEC (49 days) 21.5 mg/L
	LOEC (49 days) 40 mg/L
Long-term toxicity to aquatic invertebrates	EC50 (21 days) 270 - 880 µg/L
Toxicity to aquatic algae and cyanobacteria	EC50 (72 h) 250 - 370 µg/L
2512-29-0 Pigment Yellow 1	
Short-term toxicity to fish	LC50 (4 days) 1 mg/L

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Short-term toxicity to aquatic invertebrates	EC50 (48 h) 100 mg/L
Long-term toxicity to aquatic invertebrates	NOEC (21 days) 1 mg/L
Toxicity to aquatic algae and cyanobacteria	EC50 (72 h) 100 mg/L
Toxicity to microorganisms	EC50 (3 h) 1 g/L
12239-87-1 Pigment Blue 15:2	
Short-term toxicity to fish	LC50 (4 days) 100 - 355.6 mg/L LC50 (48 h) 399 mg/L
Short-term toxicity to aquatic invertebrates	EC50 (48 h) 500 mg/L
Long-term toxicity to aquatic invertebrates	NOEC (21 days) 1 mg/L LOEC (21 days) 1 mg/L EC50 (21 days) 1 mg/L
Toxicity to aquatic algae and cyanobacteria	EC50 (72 h) 100 mg/L
Toxicity to microorganisms	EC50 (3 h) 10 g/L
1328-53-6 Phthalocyanine Green 7	
Short-term toxicity to fish	LC50 (4 days) 752.4 mg/L
Short-term toxicity to aquatic invertebrates	EC50 (48 h) 500 mg/L
Long-term toxicity to aquatic invertebrates	NOEC (21 days) 1 mg/L LOEC (21 days) 1 mg/L
Toxicity to aquatic algae and cyanobacteria	EC50 (72 h) 100 mg/L
Toxicity to microorganisms	EC50 (30 min) 10 g/L
1333-86-4 Carbon black	
Short-term toxicity to aquatic invertebrates	EC50 (24 h) 5.6 g/L NOEC (24 h) 3.2 g/L
Toxicity to aquatic algae and cyanobacteria	EC50 (72 h) 10 g/L NOEC (72 h) 10 g/L
13463-67-7 Titanium dioxide	
Short-term toxicity to aquatic invertebrates	LC50 (48 h) 500 mg/L
Long-term toxicity to aquatic invertebrates	NOEC (28 days) 100 mg/L LOEC (21 days) 5 mg/L
Toxicity to aquatic algae and cyanobacteria	EC50 (72 h) 100 mg/L NOEC (72 h) 100 mg/L
1309-37-1 Iron oxide (Fe ₂ O ₃)	
Short-term toxicity to aquatic invertebrates	EC50 (48 h) 100 mg/L
Toxicity to microorganisms	EC50 (3 h) 10 g/L

· 12.2 Persistence and degradability: Readily degradable.

9003-01-4	Poly(acrylic acid)	Readily biodegradable in water
471-34-1	Calcium carbonate	Readily biodegradable in water
56-81-5	Glycerin	Readily biodegradable in water
25265-77-4	2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate	Readily biodegradable in water
52-51-7	Bronopol	Readily biodegradable in water

· 12.3 Bio-accumulative potential: Low bio-accumulation.

9003-01-4	Poly(acrylic acid)	Log Pow = 0.23 - 0.27 at 20 °C and pH 3.59 - 3.63
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56-81-5	Glycerin	Log Pow= -1.75 at 25 °C and pH 7.4
25265-77-4	2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate	Log Pow =3.2 at 25 °C and pH 7 (low)
52-51-7	Bronopol	Log Pow =-0.34 - 0.22 at 24 °C and pH 5-9
2512-29-0	Pigment Yellow 1	Log Pow = 3.1 at 22.5 °C and pH 6
1328-53-6	Phthalocyanine Green 7	Log Pow=0.88 - -0.4 at 23 °C

· 12.4 Mobility in soil: Low mobility in soil.

56-81-5	Glycerin	Henry's law constant= 0.001 Pa m ³ /mol at 25 °C and 101.325 kPa
52-51-7	Bronopol	Henry's law constant = 0 Pa m ³ /mol at 25 °C

· 12.5 Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

· 12.6 Other adverse effects: No known other adverse effects.

· 12.7 Additional ecological information

· General notes: Water hazard class 1 (German Regulation) (self-assessment): Low hazard to waters.

Do not allow large quantities of the product to reach ground water, water course or sewage system.

SECTION 13: Disposal consideration

· 13.1 Waste treatment methods

· Recommendation: Small quantities can be disposed together with household garbage; Large quantities disposed must be in according to the local regulation.

· 13.2 Un-cleaned packaging

· Recommendation: Dispose of contents/container in according to the local/regional/national/ international regulation.

SECTION 14: Transport information

· 14.1 UN-Number ADR, RID, ADN, IMDG, IATA	Not regulated as dangerous transport goods, not applicable
· 14.2 UN proper shipping name ADR, RID, ADN, IMDG, IATA	Void
· 14.3 Transport hazard class (es) ADR, RID, ADN, IMDG, IATA Class Label	Void Void
· 14.4 Packing group ADR, RID, ADN, IMDG, IATA	Void
· 14.5 Marine pollution	No
· 14.6 Special precautions for user · Danger code (Kemler) · EMS number	Void Void Void
· 14.7 UN "Model Regulation"	Void

SECTION 15: Regulatory information

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

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· MAK (German Maximum Workplace Concentration):

1333-86-4	Carbon black	3B
13463-67-7	Titanium dioxide	3A
1309-37-1	Iron oxide (Fe ₂ O ₃)	3B

- Directive 2012/18/EU
- Named dangerous substances-ANNEX I: None of the ingredients is listed.
- Seveso category: Not applicable
- Qualifying quantity (tonnes) for the application of lower-tier requirements: Not applicable
- Qualifying quantity (tonnes) for the application of upper-tier requirements: Not applicable
- National regulations.
- Water hazard class: Water hazard class 1 (German Regulation) (self-assessment): Low hazard to waters.
- Other regulations, limitations and prohibitive regulations
- SVHC Candidate list of REACH Regulation Annex XIV Authorization: None of the ingredients is listed.
- REACH Regulation Annex XVII Restriction: None of the ingredients is listed.
- REACH Regulation Annex XIV Authorization List: None of the ingredients is listed.
- 15.2 Chemical safety assessment: A Chemical Safe Assessment has not been carried out.

SECTION 16: Other information

Relevant phrases:

H302 Harmful if swallowed
H312 Harmful in contact with skin
H315 Causes skin irritation
H318 Causes serious eye damage
H319 Causes serious eye irritation
H335 May cause respiratory irritation
H400 Very toxic to aquatic life

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

PBT: Persistent, Bio accumulative and Toxic

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SVHC: Substance of Very High Concern

LD50: Lethal dose, 50 percent

LC50: Lethal concentration, 50 percent

EC50: Concentration of maximal effect, 50 percent

NOEC: No observed effect concentration

LOEC: Lowest Observed Effect Concentration

Acute Tox. 4: Acute toxicity, hazard category 4

Skin Irrit.2: Skin corrosion/irritation, hazard category 2

Eye Dam. 1: Eye damage/irritation, hazard category 1

Eye Irrit. 2: Eye damage/irritation, hazard category 2

STOT SE 3: Specific target organ toxicity after single exposure, hazard category 3

Aquatic Acute 1: Hazardous to the aquatic environment-acute toxic, hazard category 1

End of safety data sheet