

Safety Data Sheet
Regulation (EC) No. 1907/2006 and 1272/2008

Printing Date: August 6, 2024

Version No.: 1.0

Revision: August 6, 2024

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

• **1.1 Product identifier**

• **Trade name:**

WATER CRAYON

• **Other means of identification:**

Registration number: No available data.

UFI code: No available data.

• **1.2 Relevant identified uses of the substance or mixture and uses advised against on**

• **Application of the substance/ mixture:**

Consumer uses, painting.

• **Uses advised against:**

No available data.

• **Reason why uses advised against:**

No available data.

• **1.3 Details of the supplier of the safety data sheet**

• **Manufacturer/Supplier:**

SHANGHAI CMB IMPORT & EXPORT CO.,LTD

NO.1500 CENTURY AVENUE,PUDONG,SHANGHAI,CHINA.

Tel: +86-21-50623771

Email: christina.z@chinamutualbenefit.com

National contact: Christina

• **Only Representative/other EU contact point:**

No information available.

• **Further information obtainable from:**

SHANGHAI CMB IMPORT & EXPORT CO.,LTD

• **1.4 Emergency telephone number**

Tel: +86-21-50623771

SECTION 2: Hazards identification

• **2.1 Classification of the substance or mixture**

• **2.1.1 Classification according to regulation (EC) 1272/2008:**

The product is not classified according to CLP Regulation.

Regulation (EC) No 1272/2008 [CLP]	Classification procedure
Not applicable	Not applicable

• **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:**

Safety Data Sheet

Regulation (EC) No. 1907/2006 and 1272/2008

Printing Date: August 6, 2024

Version No.: 1.0

Revision: August 6, 2024

Trade Name: WATER CRAYON

Not applicable

• Hazard statements:

Not applicable

• Precautionary statement:

Not applicable

• Supplemental label elements:

Not applicable

• 2.3 Other hazards

 None of the ingredients ($\geq 0.1\%$) meets the criteria for PBT/vPvB in accordance with Annex XIII.

 None of the ingredients ($\geq 0.1\%$) is identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

SECTION 3: Composition/information on ingredients

• 3.1 Substance

Not applicable

• 3.2 Mixtures
• Description of the mixture:

WATER CRAYON.

Ingredients:						
Substance	CAS No.	Index No.	EC No.	w/w, %	CLP Classification	SCL/M-factor/ATE
Metallic blue						
Water	7732-18-5	-	231-791-2	59	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	12	None	-
Glycerin	56-81-5	-	200-289-5	10.8	None	-
Stearic acid	57-11-4	-	200-313-4	10	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Mica	12001-26-2	-	-	2	None	-
Titanium dioxide	13463-67-7	-	236-675-5	0.5	None	-
Pigment Blue 15	147-14-8	-	205-685-1	0.2	None	-
Metallic green 1						
Water	7732-18-5	-	231-791-2	59	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	12	None	-
Stearic acid	57-11-4	-	200-313-4	10	None	-
Glycerin	56-81-5	-	200-289-5	9.5	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Mica	12001-26-2	-	-	2	None	-
Pigment Yellow 14	5468-75-7	-	226-789-3	1	None	-
Titanium dioxide	13463-67-7	-	236-675-5	0.5	None	-
Pigment Green 7	1328-53-6	-	215-524-7	0.5	None	-
Metallic green 2						
Water	7732-18-5	-	231-791-2	59	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	12	None	-
Stearic acid	57-11-4	-	200-313-4	10	None	-

Safety Data Sheet

Regulation (EC) No. 1907/2006 and 1272/2008

Printing Date: August 6, 2024

Version No.: 1.0

Revision: August 6, 2024

Trade Name: WATER CRAYON

Glycerin	56-81-5	-	200-289-5	9.5	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Mica	12001-26-2	-	-	2	None	-
Pigment Green 7	1328-53-6	-	215-524-7	1	None	-
Titanium dioxide	13463-67-7	-	236-675-5	0.5	None	-
Pigment Yellow 14	5468-75-7	-	226-789-3	0.5	None	-
Metallic orange						
Water	7732-18-5	-	231-791-2	59	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	12	None	-
Glycerin	56-81-5	-	200-289-5	10	None	-
Stearic acid	57-11-4	-	200-313-4	10	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Mica	12001-26-2	-	-	2	None	-
Pigment Orange 13	3520-72-7	-	222-530-3	1	None	-
Titanium dioxide	13463-67-7	-	236-675-5	0.5	None	-
Metallic pink						
Water	7732-18-5	-	231-791-2	59	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	12	None	-
Stearic acid	57-11-4	-	200-313-4	10	None	-
Glycerin	56-81-5	-	200-289-5	8	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Pigment Red 254	84632-65-5	-	401-540-3	2.5	None	-
Mica	12001-26-2	-	-	2	None	-
Titanium dioxide	13463-67-7	-	236-675-5	0.5	None	-
Pigment Blue 15	147-14-8	-	205-685-1	0.5	None	-
Metallic red						
Water	7732-18-5	-	231-791-2	59	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	12	None	-
Stearic acid	57-11-4	-	200-313-4	10	None	-
Glycerin	56-81-5	-	200-289-5	9.2	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Mica	12001-26-2	-	-	2	None	-
Pigment Red 254	84632-65-5	-	401-540-3	1	None	-
Pigment Red 57:1	5281-04-9	-	226-109-5	0.8	None	-
Titanium dioxide	13463-67-7	-	236-675-5	0.5	None	-
Metallic violet						
Water	7732-18-5	-	231-791-2	59	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	12	None	-
Stearic acid	57-11-4	-	200-313-4	10	None	-
Glycerin	56-81-5	-	200-289-5	8	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Pigment Red 254	84632-65-5	-	401-540-3	2.2	None	-
Mica	12001-26-2	-	-	2	None	-

Safety Data Sheet

Regulation (EC) No. 1907/2006 and 1272/2008

Printing Date: August 6, 2024

Version No.: 1.0

Revision: August 6, 2024

Trade Name: WATER CRAYON

Pigment Violet 23	6358-30-1	-	228-767-9	0.8	None	-
Titanium dioxide	13463-67-7	-	236-675-5	0.5	None	-
Metallic Brown						
Water	7732-18-5	-	231-791-2	59	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	12	None	-
Stearic acid	57-11-4	-	200-313-4	10	None	-
Glycerin	56-81-5	-	200-289-5	9.2	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Mica	12001-26-2	-	-	2	None	-
Pigment Yellow 14	5468-75-7	-	226-789-3	0.8	None	-
Pigment Blue 15	147-14-8	-	205-685-1	0.6	None	-
Titanium dioxide	13463-67-7	-	236-675-5	0.5	None	-
Pigment Red 254	84632-65-5	-	401-540-3	0.4	None	-
Metallic silvery						
Water	7732-18-5	-	231-791-2	59	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	12	None	-
Stearic acid	57-11-4	-	200-313-4	10	None	-
Glycerin	56-81-5	-	200-289-5	8.5	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Mica	12001-26-2	-	-	4.5	None	-
Carbon black	1333-86-4	-	215-609-9	0.5	None	-
Metallic purple						
Water	7732-18-5	-	231-791-2	59	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	12	None	-
Stearic acid	57-11-4	-	200-313-4	10	None	-
Glycerin	56-81-5	-	200-289-5	10	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Mica	12001-26-2	-	-	2	None	-
Pigment Blue 15	147-14-8	-	205-685-1	0.6	None	-
Titanium dioxide	13463-67-7	-	236-675-5	0.5	None	-
Pigment Red 254	84632-65-5	-	401-540-3	0.4	None	-
Metallic blue						
Water	7732-18-5	-	231-791-2	59	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	12	None	-
Glycerin	56-81-5	-	200-289-5	10.4	None	-
Stearic acid	57-11-4	-	200-313-4	10	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Mica	12001-26-2	-	-	2	None	-
Pigment Blue 15	147-14-8	-	205-685-1	0.6	None	-
Titanium dioxide	13463-67-7	-	236-675-5	0.5	None	-
Metallic yellow						
Water	7732-18-5	-	231-791-2	59	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	12	None	-

Safety Data Sheet

Regulation (EC) No. 1907/2006 and 1272/2008

Printing Date: August 6, 2024

Version No.: 1.0

Revision: August 6, 2024

Trade Name: WATER CRAYON

Glycerin	56-81-5	-	200-289-5	10.2	None	-
Stearic acid	57-11-4	-	200-313-4	10	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Mica	12001-26-2	-	-	2	None	-
Pigment Yellow 14	5468-75-7	-	226-789-3	0.8	None	-
Titanium dioxide	13463-67-7	-	236-675-5	0.5	None	-
Blue 1						
Water	7732-18-5	-	231-791-2	61	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	12	None	-
Glycerin	56-81-5	-	200-289-5	10.8	None	-
Stearic acid	57-11-4	-	200-313-4	10	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Titanium dioxide	13463-67-7	-	236-675-5	0.5	None	-
Pigment Blue 15	147-14-8	-	205-685-1	0.2	None	-
light green						
Water	7732-18-5	-	231-791-2	61	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	12	None	-
Stearic acid	57-11-4	-	200-313-4	10	None	-
Glycerin	56-81-5	-	200-289-5	9.5	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Pigment Yellow 14	5468-75-7	-	226-789-3	1	None	-
Titanium dioxide	13463-67-7	-	236-675-5	0.5	None	-
Pigment Green 7	1328-53-6	-	215-524-7	0.5	None	-
green						
Water	7732-18-5	-	231-791-2	61	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	12	None	-
Stearic acid	57-11-4	-	200-313-4	10	None	-
Glycerin	56-81-5	-	200-289-5	9.5	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Pigment Green 7	1328-53-6	-	215-524-7	1	None	-
Titanium dioxide	13463-67-7	-	236-675-5	0.5	None	-
Pigment Yellow 14	5468-75-7	-	226-789-3	0.5	None	-
orange						
Water	7732-18-5	-	231-791-2	61	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	12	None	-
Stearic acid	57-11-4	-	200-313-4	10	None	-
Glycerin	56-81-5	-	200-289-5	10	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Pigment Orange 13	3520-72-7	-	222-530-3	1	None	-
Titanium dioxide	13463-67-7	-	236-675-5	0.5	None	-
pink						
Water	7732-18-5	-	231-791-2	61	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	12	None	-

Safety Data Sheet

Regulation (EC) No. 1907/2006 and 1272/2008

Printing Date: August 6, 2024

Version No.: 1.0

Revision: August 6, 2024

Trade Name: WATER CRAYON

Stearic acid	57-11-4	-	200-313-4	10	None	-
Glycerin	56-81-5	-	200-289-5	8	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Pigment Red 254	84632-65-5	-	401-540-3	2.5	None	-
Titanium dioxide	13463-67-7	-	236-675-5	0.5	None	-
Pigment Blue 15	147-14-8	-	205-685-1	0.5	None	-
red						
Water	7732-18-5	-	231-791-2	61	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	12	None	-
Stearic acid	57-11-4	-	200-313-4	10	None	-
Glycerin	56-81-5	-	200-289-5	9.2	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Pigment Red 254	84632-65-5	-	401-540-3	1	None	-
Pigment Red 57:1	5281-04-9	-	226-109-5	0.8	None	-
Titanium dioxide	13463-67-7	-	236-675-5	0.5	None	-
violet						
Water	7732-18-5	-	231-791-2	61	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	12	None	-
Stearic acid	57-11-4	-	200-313-4	10	None	-
Glycerin	56-81-5	-	200-289-5	8	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Pigment Red 254	84632-65-5	-	401-540-3	2.2	None	-
Pigment Violet 23	6358-30-1	-	228-767-9	0.8	None	-
Titanium dioxide	13463-67-7	-	236-675-5	0.5	None	-
Brown						
Water	7732-18-5	-	231-791-2	61	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	12	None	-
Stearic acid	57-11-4	-	200-313-4	10	None	-
Glycerin	56-81-5	-	200-289-5	9.2	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Pigment Yellow 14	5468-75-7	-	226-789-3	0.8	None	-
Pigment Blue 15	147-14-8	-	205-685-1	0.6	None	-
Titanium dioxide	13463-67-7	-	236-675-5	0.5	None	-
Pigment Red 254	84632-65-5	-	401-540-3	0.4	None	-
black						
Water	7732-18-5	-	231-791-2	61	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	12	None	-
Stearic acid	57-11-4	-	200-313-4	10	None	-
Glycerin	56-81-5	-	200-289-5	8.5	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Carbon black	1333-86-4	-	215-609-9	3	None	-
purple						
Water	7732-18-5	-	231-791-2	61	None	-

Safety Data Sheet

Regulation (EC) No. 1907/2006 and 1272/2008

Printing Date: August 6, 2024

Version No.: 1.0

Revision: August 6, 2024

Trade Name: WATER CRAYON

<i>Polyethylene Glycols</i>	25322-68-3	-	500-038-2	12	None	-
<i>Stearic acid</i>	57-11-4	-	200-313-4	10	None	-
<i>Glycerin</i>	56-81-5	-	200-289-5	10	None	-
<i>Propylene glycol</i>	57-55-6	-	200-338-0	5.5	None	-
<i>Pigment Blue 15</i>	147-14-8	-	205-685-1	0.6	None	-
<i>Titanium dioxide</i>	13463-67-7	-	236-675-5	0.5	None	-
<i>Pigment Red 254</i>	84632-65-5	-	401-540-3	0.4	None	-
Blue 2						
<i>Water</i>	7732-18-5	-	231-791-2	61	None	-
<i>Polyethylene Glycols</i>	25322-68-3	-	500-038-2	12	None	-
<i>Glycerin</i>	56-81-5	-	200-289-5	10.4	None	-
<i>Stearic acid</i>	57-11-4	-	200-313-4	10	None	-
<i>Propylene glycol</i>	57-55-6	-	200-338-0	5.5	None	-
<i>Pigment Blue 15</i>	147-14-8	-	205-685-1	0.6	None	-
<i>Titanium dioxide</i>	13463-67-7	-	236-675-5	0.5	None	-
Yellow						
<i>Water</i>	7732-18-5	-	231-791-2	61	None	-
<i>Polyethylene Glycols</i>	25322-68-3	-	500-038-2	12	None	-
<i>Glycerin</i>	56-81-5	-	200-289-5	10.2	None	-
<i>Stearic acid</i>	57-11-4	-	200-313-4	10	None	-
<i>Propylene glycol</i>	57-55-6	-	200-338-0	5.5	None	-
<i>Pigment Yellow 14</i>	5468-75-7	-	226-789-3	0.8	None	-
<i>Titanium dioxide</i>	13463-67-7	-	236-675-5	0.5	None	-
Neon sky Blue						
<i>Water</i>	7732-18-5	-	231-791-2	59.7	None	-
<i>Polyethylene Glycols</i>	25322-68-3	-	500-038-2	13	None	-
<i>Stearic acid</i>	57-11-4	-	200-313-4	11	None	-
<i>Glycerin</i>	56-81-5	-	200-289-5	10.2	None	-
<i>Propylene glycol</i>	57-55-6	-	200-338-0	5.5	None	-
<i>Acid Blue 9</i>	3844-45-9	-	223-339-8	0.6	None	-
Neon Blue						
<i>Water</i>	7732-18-5	-	231-791-2	59.4	None	-
<i>Polyethylene Glycols</i>	25322-68-3	-	500-038-2	13	None	-
<i>Stearic acid</i>	57-11-4	-	200-313-4	11	None	-
<i>Glycerin</i>	56-81-5	-	200-289-5	10.2	None	-
<i>Propylene glycol</i>	57-55-6	-	200-338-0	5.5	None	-
<i>Acid Blue 9</i>	3844-45-9	-	223-339-8	0.9	None	-
Neon light green						
<i>Water</i>	7732-18-5	-	231-791-2	59.5	None	-
<i>Polyethylene Glycols</i>	25322-68-3	-	500-038-2	13	None	-
<i>Stearic acid</i>	57-11-4	-	200-313-4	11	None	-
<i>Glycerin</i>	56-81-5	-	200-289-5	9.5	None	-
<i>Propylene glycol</i>	57-55-6	-	200-338-0	5.5	None	-

Safety Data Sheet

Regulation (EC) No. 1907/2006 and 1272/2008

Printing Date: August 6, 2024

Version No.: 1.0

Revision: August 6, 2024

Trade Name: WATER CRAYON

Solvent Green 7	6358-69-6	-	228-783-6	0.95	None	-
Pigment Yellow 14	5468-75-7	-	226-789-3	0.55	None	-
Neon green						
Water	7732-18-5	-	231-791-2	61.5	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	12	None	-
Stearic acid	57-11-4	-	200-313-4	10	None	-
Glycerin	56-81-5	-	200-289-5	9.5	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Pigment Green 7	1328-53-6	-	215-524-7	1	None	-
Pigment Yellow 14	5468-75-7	-	226-789-3	0.5	None	-
Neon light pink						
Water	7732-18-5	-	231-791-2	59.5	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	13	None	-
Stearic acid	57-11-4	-	200-313-4	11	None	-
Glycerin	56-81-5	-	200-289-5	8	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Acid Red 18	2611-82-7	-	220-036-2	2.5	None	-
Pigment Blue 15	147-14-8	-	205-685-1	0.5	None	-
Neon red						
Water	7732-18-5	-	231-791-2	61.5	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	12	None	-
Stearic acid	57-11-4	-	200-313-4	10	None	-
Glycerin	56-81-5	-	200-289-5	9.2	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Pigment Red 254	84632-65-5	-	401-540-3	1	None	-
Pigment Red 57:1	5281-04-9	-	226-109-5	0.8	None	-
Neon light pink						
Water	7732-18-5	-	231-791-2	59.9	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	13	None	-
Stearic acid	57-11-4	-	200-313-4	11	None	-
Glycerin	56-81-5	-	200-289-5	9.2	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Pigment Red 254	84632-65-5	-	401-540-3	1	None	-
Pigment Yellow 14	5468-75-7	-	226-789-3	0.4	None	-
Neon light pink						
Water	7732-18-5	-	231-791-2	59.5	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	13	None	-
Stearic acid	57-11-4	-	200-313-4	11	None	-
Glycerin	56-81-5	-	200-289-5	9.2	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Pigment Red 254	84632-65-5	-	401-540-3	1	None	-
Pigment Yellow 14	5468-75-7	-	226-789-3	0.8	None	-
Neon light Purple						

Safety Data Sheet

Regulation (EC) No. 1907/2006 and 1272/2008

Printing Date: August 6, 2024

Version No.: 1.0

Revision: August 6, 2024

Trade Name: WATER CRAYON

Water	7732-18-5	-	231-791-2	59.5	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	13	None	-
Stearic acid	57-11-4	-	200-313-4	11	None	-
Glycerin	56-81-5	-	200-289-5	10	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Acid Red 18	2611-82-7	-	220-036-2	0.7	None	-
Acid Blue 9	3844-45-9	-	223-339-8	0.3	None	-
Neon light Purple						
Water	7732-18-5	-	231-791-2	59.8	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	13	None	-
Stearic acid	57-11-4	-	200-313-4	11	None	-
Glycerin	56-81-5	-	200-289-5	10	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Acid Red 18	2611-82-7	-	220-036-2	0.5	None	-
Acid Blue 9	3844-45-9	-	223-339-8	0.2	None	-
Neon light yellow						
Water	7732-18-5	-	231-791-2	59.5	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	13	None	-
Stearic acid	57-11-4	-	200-313-4	11	None	-
Glycerin	56-81-5	-	200-289-5	10.2	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Pigment Yellow 14	5468-75-7	-	226-789-3	0.8	None	-
Neon light pink						
Water	7732-18-5	-	231-791-2	60	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	13	None	-
Stearic acid	57-11-4	-	200-313-4	11	None	-
Glycerin	56-81-5	-	200-289-5	8	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Acid Red 18	2611-82-7	-	220-036-2	2	None	-
Pigment Blue 15	147-14-8	-	205-685-1	0.5	None	-
Neon yellow						
Water	7732-18-5	-	231-791-2	61.5	None	-
Polyethylene Glycols	25322-68-3	-	500-038-2	12	None	-
Glycerin	56-81-5	-	200-289-5	10.2	None	-
Stearic acid	57-11-4	-	200-313-4	10	None	-
Propylene glycol	57-55-6	-	200-338-0	5.5	None	-
Pigment Yellow 14	5468-75-7	-	226-789-3	0.8	None	-

SECTION 4: First aid measures

· 4.1 Description of first aid measures

General advice:

Get medical attention if you feel unwell.

After inhalation:

Safety Data Sheet
Regulation (EC) No. 1907/2006 and 1272/2008

Printing Date: August 6, 2024

Version No.: 1.0

Revision: August 6, 2024

Trade Name: WATER CRAYON

Supply with fresh air.

Get medical attention if you feel unwell.

After skin contact:

No special measure needed normally.

If there are signs of irritation or other symptoms, seek medical attention.

After eye contact:

Rinse cautiously with water for several minutes.

If eye irritation occurs: Get medical advice/attention.

After swallowing:

Rinse mouth.

Call a POISON CENTER/doctor if you feel unwell.

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

Acute and delayed effects are as indicated in sections 2 and 11.

• **4.3 Indication of any immediate medical attention and special treatment needed:**

Treat according to symptom, there is not known specific medicine.

SECTION 5: Fire-fighting measures

• **5.1 Extinguishing media**

• **Suitable extinguishing agents:**

Use CO₂, chemical 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:**

No special hazards arising from the mixture.

• **5.3 Advice for firefighters**

Protective equipment:

Wear self-contained breathing apparatus for firefighting.

SECTION 6: Accidental release measures

• **6.1 Personal precautions, protective equipment and emergency procedures**

• **6.1.1 For non-emergency personnel**

Protective equipment:

Respiration protection.

Emergency procedures:

Ensure adequate ventilation.

Avoid breathing dust.

• **6.1.2 For emergency responders**

Personal protective equipment:

Respiration protection.

• **6.2 Environmental precautions:**

Safety Data Sheet

Regulation (EC) No. 1907/2006 and 1272/2008

Printing Date: August 6, 2024

Version No.: 1.0

Revision: August 6, 2024

Trade Name: WATER CRAYON

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:**

Use any feasible mechanical means (e.g. vacuum, sweeping) but avoid dusting during clean-up.
Ensure well 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:**

No special precaution for safe handling required normally.

• **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 further requirements.

• **Further information about storage conditions:**

No further requirements.

• **Storage class:**

13.

• **7.3 Specific end use(s):**

See section 1.2.

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
56-81-5 Glycerin		
Belgium	10 mg/m ³	-
Finland	20 mg/m ³	-
France	10 mg/m ³	-
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	-

Safety Data Sheet

Regulation (EC) No. 1907/2006 and 1272/2008

Printing Date: August 6, 2024

Version No.: 1.0

Revision: August 6, 2024

Trade Name: WATER CRAYON

Spain	10 mg/m ³	-
United Kingdom	10 mg/m ³	-
57-55-6 Propylene glycol		
Ireland	150 ppm; 470 mg/m ³	-
United Kingdom	150 ppm; 474 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
France	11 mg/m ³ inhalable aerosol	-
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
Spain	10 mg/m ³ inhalable aerosol	-
Romania	10 mg/m ³	15 mg/m ³ 15 minutes average value
Sweden	5 mg/m ³ inhalable aerosol	-
United Kingdom	10 mg/m ³ inhalable aerosol 4 mg/m ³ respirable aerosol	-
1333-86-4 Carbon black		
Belgium	3 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 reference period
France	3.5 mg/m ³	-
Ireland	3.5 mg/m ³	7 mg/m ³ 15 minutes reference period
Poland	4 mg/m ³ Inhalable fraction	-
Spain	3.5 mg/m ³	-
Sweden	3 mg/m ³	-
United Kingdom	3.5 mg/m ³	7.0 mg/m ³

• DNELs:

DNEL type		DNEL worker value	DNEL consumer value
57-55-6 Propylene glycol			
Systemic effects	Long-term, inhalation exposure	168 mg/m ³	50 mg/m ³
Local Effects	Long-term, inhalation	10 mg/m ³	10 mg/m ³
25322-68-3 Polyethylene Glycols			
Systemic Effects	Long-term, inhalation exposure	40.2 mg/m ³	7.14 mg/m ³
	Long-term, dermal exposure	112 mg/kg bw/day	40 mg/kg bw/day
	Long-term, oral exposure	-	40 mg/kg bw/day

• PNECs:

PNEC type	Value
57-55-6 Propylene glycol	
Freshwater	260 mg/L
Intermittent releases (freshwater)	183 mg/L
Marine water	26 mg/L

Safety Data Sheet
Regulation (EC) No. 1907/2006 and 1272/2008

Printing Date: August 6, 2024

Version No.: 1.0

Revision: August 6, 2024

Trade Name: WATER CRAYON

Sewage treatment plant (STP)	20 g/L
Sediment (freshwater)	572 mg/kg sediment dw
Sediment (marine water)	57.2 mg/kg sediment dw
Soil	50 mg/kg soil dw
25322-68-3 Polyethylene Glycols	
Freshwater	273 mg/L
Intermittent releases (freshwater)	1 mg/L
Marine water	27.3 mg/L
Intermittent releases (marine water)	100 µg/L
Sediment (freshwater)	1 030 mg/kg sediment dw
Sediment (marine water)	103 mg/kg sediment dw
Soil	46.4 mg/kg soil 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**

• **Eye and face protection:**

Not required under normal conditions of use.

For industrial applications, following protection required:



Safety glasses

Protective goggles with side-shields.

• **Skin protection**

• **Hand protection:**

Not required under normal conditions of use.

For industrial applications, following protection required:



Protective gloves

Gloves made from butyl rubber Neoprene™ rubber, nitrile rubber (thickness > 0.11mm; breakthrough times up to 480 minutes).

• **Other skin protection:**

Not required under normal conditions of use.

For industrial applications, following protection required:



Face protection



Safety boots



Safety overalls

Face shield, gauntlets, boots, bodysuit are recommended.

Safety Data Sheet
Regulation (EC) No. 1907/2006 and 1272/2008

Printing Date: August 6, 2024

Version No.: 1.0

Revision: August 6, 2024

Trade Name: WATER CRAYON

• **Respiration protection:**

Not required under normal conditions of use.

For industrial applications, following protection required:



Respiratory equipment

Use positive pressure breathing mask if concentrations in air could exceed occupational exposure standard.

• **Thermal hazards:**

Not required under normal conditions of use.

For industrial applications, following protection required:

The gauntlets, boots, bodysuit and other personal protective equipment must be flame retardant and no heat-conducting.

• **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**

• Physical state	Solid
• Color	Various
• Odor & Odor threshold	Odorless
• Melting point/freezing point (or softening point/range)	Not determined
• Boiling point or initial boiling point and boiling range	Not determined
• Flammability	Not determined
• Lower and upper explosion limit	Not determined
• Flash point	Not applicable
• Auto-ignition temperature	Not determined
• Decomposition temperature	Not determined
• pH	Not determined
• Kinematic viscosity (mm²/s)	Not applicable
• Solubility	Not determined
• Partition coefficient n-octanol/water (log value)	Not applicable
• Vapor pressure	Not determined
• Density and/or relative density	Not determined
• Relative vapor density	Not determined
• Particle characteristics	Titanium dioxide particles with an aerodynamic diameter ≤ 10 µm is less than 1% (w/w).

• **9.2 Other information**

• **9.2.1 Information with regard to physical hazard classes:**

• Explosives	Not applicable
• Flammable gases	Not applicable
• Aerosols	Not applicable
• Oxidising gases	Not applicable

Safety Data Sheet

Regulation (EC) No. 1907/2006 and 1272/2008

Printing Date: August 6, 2024

Version No.: 1.0

Revision: August 6, 2024

Trade Name: WATER CRAYON

· <i>Gases under pressure</i>	<i>Not applicable</i>
· <i>Flammable liquids</i>	<i>Not applicable</i>
· <i>Flammable solids</i>	<i>Not applicable</i>
· <i>Self-reactive substances and mixtures</i>	<i>Not applicable</i>
· <i>Pyrophoric liquids</i>	<i>Not applicable</i>
· <i>Pyrophoric solids</i>	<i>Not applicable</i>
· <i>Self-heating substances and mixtures</i>	<i>Not applicable</i>
· <i>Substances and mixtures, which emit flammable gases in contact with water</i>	<i>Not applicable</i>
· <i>Oxidizing liquids</i>	<i>Not applicable</i>
· <i>Oxidizing solids</i>	<i>Not applicable</i>
· <i>Organic peroxides</i>	<i>Not applicable</i>
· <i>Corrosive to metals</i>	<i>Not applicable</i>
· <i>Desensitised explosives</i>	<i>Not applicable</i>
· 9.2.2 Other safety characteristics	
· <i>Mechanical sensitivity</i>	<i>Not applicable</i>
· <i>Self-accelerating polymerisation temperature</i>	<i>Not applicable</i>
· <i>Formation of explosible dust/air mixtures</i>	<i>Not applicable</i>
· <i>Acid/alkaline reserve</i>	<i>Not applicable</i>
· <i>Evaporation rate</i>	<i>Not applicable</i>
· <i>Miscibility</i>	<i>Not applicable</i>
· <i>Conductivity</i>	<i>Not applicable</i>
· <i>Corrosiveness</i>	<i>Not applicable</i>
· <i>Gas group</i>	<i>Not applicable</i>
· <i>Redox potential</i>	<i>Not applicable</i>
· <i>Radical formation potential</i>	<i>Not applicable</i>
· <i>Photocatalytic properties</i>	<i>Not applicable</i>
· <i>Other physical and chemical parameters</i>	<i>Not determined</i>

SECTION 10: Stability and reactivity

· 10.1 Reactivity:

The product is non-reactive under normal conditions of use, storage and transport.

· 10.2 Chemical stability:

Under storage at normal ambient temperatures, the product is stable.

· 10.3 Possibility of hazardous reactions:

No known hazardous reaction.

· 10.4 Conditions to avoid:

High temperature.

· 10.5 Incompatible materials:

Strong oxidizing agent and acids.

Safety Data Sheet

Regulation (EC) No. 1907/2006 and 1272/2008

Printing Date: August 6, 2024

Version No.: 1.0

Revision: August 6, 2024

Trade Name: WATER CRAYON

10.6 Hazardous decomposition products:

Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Acute toxicity:

Based on available data, the classification criteria are not met.

Species	Effective Dose	Results	Method/Source
56-81-5 Glycerin			
Rat	LD50-oral	12600 mg/kg	Federation Proceedings, Federation of American Societies for Experimental Biology. Vol. 4, Pg. 142, 1945.
Rabbit	LD50-dermal	>10000 mg/kg	Toxicological Data, compiled by the National Institute of Health (NIH), USA, selected and distributed by Technical Database Services (TDS), New York, 2009.
Rabbit	LD50-oral	27 g/kg	Delaware State Medical Journal., 31(276), 1959.
Mouse	LD50-oral	4090 mg/kg	Farmatsevtichnii Zhurnal, (6)(56), 1977.
Guinea pig	LD50-oral	7750 mg/kg	Journal of Industrial Hygiene and Toxicology., 23(259), 1941.
13463-67-7 Titanium dioxide			
Rat	LD50-oral	>2000 mg/kg	ECHA registered dossier.
1333-86-4 Carbon Black			
Rat	LD50-oral	>15400 mg/kg	Acute Toxicity Data. Journal of the American College of Toxicology, Part B. Vol. 15.
Rabbit	LD50-dermal	>3000 mg/kg	Toxicological Data, compiled by the National Institute of Health (NIH), USA, selected and distributed by Technical Database Services (TDS), New York, 2009.

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.

Safety Data Sheet

Regulation (EC) No. 1907/2006 and 1272/2008

Printing Date: August 6, 2024

Version No.: 1.0

Revision: August 6, 2024

Trade Name: WATER CRAYON

• **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.

• **11.2 Information on other hazards**

• **11.2.1 Endocrine disrupting properties:**

None of the ingredients ($\geq 0.1\%$) is considered to have endocrine-disrupting properties with respect to humans, as none of them meet the criteria set out in section A of Regulation (EU) No 2017/2100.

• **11.2.2 Other information:**

No known other relevant information on adverse health effects.

SECTION 12: Ecological information

• **12.1 Toxicity:**

Species	Effect dose	Test duration	Value
56-81-5 Glycerin			
<i>Salmo gairdneri</i>	LC50	96h	54000 mg/L
<i>Daphnia magna</i>	LC50	48h	1955 mg/L
<i>Ceriodaphnia dubia</i>	NOEC	7d	800 mg/L
<i>Pseudomonas putida</i>	NOEC	16h	>10000 mg/L
57-55-6 Propylene glycol			
<i>Oncorhynchus mykiss</i>	LC50	96h	40613 mg/L
<i>Ceriodaphnia dubia</i>	LC50	48h	18340 mg/L
Fresh water invertebrates	NOEC	7d	13020 mg/L
<i>Pseudokirchnerella subcapitata</i>	EC50	96h	19000 mg/L
<i>Pseudomonas putida</i>	NOEC	18h	>20000 mg/L

• **12.2 Persistence and degradability:**

CAS	Substance	Biodegradation	Hydrolysis
56-81-5	Glycerin	100%(24h)	-
57-55-6	Propylene glycol	96 %(64d)	-

• **12.3 Bio-accumulative potential:**

CAS	Substance	Log Pow	BCF
56-81-5	Glycerin	-1.75	-
57-55-6	Propylene glycol	-1.07	0.09

• **12.4 Mobility in soil:**

CAS	Substance	Surface tension (mN/m)	Log Koc
56-81-5	Glycerin	63.4 (1000 g/L, 20 °C)	-
57-55-6	Propylene glycol	71.6 (1.01 g/l, 21.5°C)	0.46

• **12.5 Results of PBT and vPvB assessment:**

This mixture does not contain any substances ($\geq 0.1\%$) that are assessed to be a PBT or a vPvB.

Safety Data Sheet

Regulation (EC) No. 1907/2006 and 1272/2008

Printing Date: August 6, 2024

Version No.: 1.0

Revision: August 6, 2024

Trade Name: WATER CRAYON

• **12.6 Endocrine disrupting properties:**

None of the ingredients ($\geq 0.1\%$) is considered to have endocrine-disrupting properties with respect to non-target organisms, as none of them meet the criteria set out in section B of Regulation (EU) No 2017/2100.

• **12.7 Other adverse effects:**

No known other adverse effects.

• **12.8 Additional ecological information**

• **General notes:**

WGK1 (German Regulation) (self-assessment): slightly hazardous to water.

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/regional/national/ international regulation.

• **13.2 Un-cleaned packaging**

• **Recommendation:**

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

SECTION 14: Transport information

• **ADR/ADN/RID (2023 Edition)**

This product is not subject to ADR/ADN/RID.

• **IATA-DGR (65th)**

This product is not subject to IATA-DGR.

• **IMO/IMDG (41-22)**

This product is not subject to IMO/IMDG code.

SECTION 15: Regulatory information

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

• **MAK (German Maximum Workplace Concentration):**

13463-67-7	Titanium dioxide	4
1333-86-4	Carbon black	3

• **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.**

Safety Data Sheet
Regulation (EC) No. 1907/2006 and 1272/2008

Printing Date: August 6, 2024

Version No.: 1.0

Revision: August 6, 2024

Trade Name: WATER CRAYON

• **Water hazard class:**

WGK1 (German Regulation) (self-assessment): slightly hazardous to water.

• **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

• **16.1 Indication of changes:**

None.

• **16.2 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

vPvB: very persistent and very bio accumulative

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

• **16.3 Key literature references and sources for data:**

<https://echa.europa.eu/>

<https://chem.nlm.nih.gov/>

<https://www.osha.gov/>

<http://www.unece.org/>

<http://www.imo.org/>

<https://www.dguv.de/>

<https://epa.govt.nz/>

<http://www.ilo.org/>

<https://www.phmsa.dot.gov/>

• **16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]:**

See section 2.1 (classification).

Safety Data Sheet
Regulation (EC) No. 1907/2006 and 1272/2008

Printing Date: August 6, 2024

Version No.: 1.0

Revision: August 6, 2024

Trade Name: WATER CRAYON

· 16.5 Relevant H- and EUH-phrases (number and full text):

None.

· 16.6 Training advice:

Workers must be trained in general and specific aspects of safe work procedures for this chemical. Workers need easy to understand guidelines and instructions for safe working with this chemical. Instructions, guidelines and legally required documents need to be available for workers in easy to understand language.

· 16.7 Further information:

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, its amendment Regulation (EU) No 2020/878 and (EC) No 1272/2008.

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End of safety data sheet