



**SUBJECT** Safety Data Sheet (SDS)

**SERVICE LOCATION** TÜV SÜD China

TÜV SÜD Products Testing (Shanghai) Co., Ltd.  
B-3/4, No.1999 Du Hui Road, Minhang District  
Shanghai 201108, P.R. China

**CLIENT NAME** Complete Office Supplies

**CLIENT ADDRESS** 25, NYRANG STREET, LIDCOMBE, NSW, AUSTRALIA, 2141

The sample information was submitted and identified on applicant's behalf to be:

**SAMPLE NAME** Color lead

**PREPARED PERIOD** 10-May-2019~16-May-2019

**SERVICE REQUESTED** Based on the information provided by the applicant, the Safety Data Sheet (SDS) was prepared according to EU regulation No. 2015/830

Prepared By

( Hu Ting )  
Report Drafter

Authorized By

( Yuan Hai )  
Authorized Signatory \*



**Note:** (1) General Terms & Conditions as mentioned overleaf. (2) The results relate only to the items tested. (3) The test report shall not be reproduced except in full without the written approval of the laboratory. (4) Without the agreement of the laboratory, the client is not authorized to use the test results for unapproved propaganda.

## Safety Data Sheet

# Color lead

\*Prepared according to EU regulation No. 2015/830

## 1 Identification of the substance/mixture and of the company/undertaking

### Product identifier

Product Name	Color lead
CAS No.	Not applicable
EC No.	Not applicable
Molecular Formula	Not applicable
REACH Registration Number	Not applicable

### Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	The color lead is used in pencils. The age range is 3 years old or older.
Uses advised against	Please consult manufacturer.

### Details of the supplier of the Safety Data Sheet

Name of the company	Complete Office Supplies
Address of the company	25, NYRANG STREET, LIDCOMBE, NSW, AUSTRALIA, 2141
Post code	/
Telephone number	1300-88-22-44
Fax number	1300-73-88-20
E-mail address	category@cos.net.au

### Emergency phone number

Emergency phone number	/
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## 2 Hazards identification

### CLP classification according to Regulation ( EC ) No. 1272/2008

According to Regulation (EC) No 1272/2008 and its amendments. Not classified as a dangerous substance.

### Label elements

Hazard pictograms	Not applicable
Signal word	Not applicable

### Hazard statements

Hazard statements	Not applicable
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### Precautionary statements

- ◆ Prevention

## Color lead

<b>Prevention</b>	Not applicable
♦ Response	
<b>Response</b>	Not applicable
♦ Storage	
<b>Storage</b>	Not applicable
♦ Disposal	
<b>Disposal</b>	Not applicable
<b>Other hazards</b>	
	Not applicable

## 3 Component

Component	Cas No.	EC No.	Index No.	Hazard classification according to CLP	Concentration (weight percent, %)
kaolin clay	1332-58-7	265-064-6	-	Not Classified	Commercial secret
Zinc distearate	557-05-1	209-151-9	-	Hazardous To The Aquatic Environment – Short-Term (Acute) Hazard , Category 1 , H400	Commercial secret
Carboxymethylcellulose Sodium	9004-32-4	900-432-4	-	Not Classified	Commercial secret
wax	8002-74-2	232-315-6	-	Not Classified	Commercial secret
<b>Red</b>					
C.I.P.R 21	6410-26-0	229-096-4	-	Not Classified	Commercial secret
<b>Light pink</b>					
C.I.P.R 57:1	5281-04-9	226-109-5	-	Not Classified	Commercial secret
C.I. Pigment White 6	13463-67-7	236-675-5	-	Not Classified	Commercial secret
<b>Orange</b>					
C.I.P.O 13	3520-72-7	222-530-3	-	Not Classified	Commercial secret
<b>Yellow</b>					
C.I.P.Y 12	6358-85-6	228-787-8	-	Not Classified	Commercial secret
C.I. Pigment White 6	13463-67-7	236-675-5	-	Not Classified	Commercial secret
<b>Cyan green</b>					
C.I.P.G 7	1328-53-6	215-524-7	-	Not Classified	Commercial secret
C.I.P.Y 14	5468-75-7	226-789-3	-	Not Classified	Commercial secret
C.I.P.B 15:0	147-14-8	205-685-1	-	Not Classified	Commercial secret
C.I. Pigment White 6	13463-67-7	236-675-5	-	Not Classified	Commercial secret
<b>Dark yellow green</b>					

## Color lead

C.I.PY 14	5468-75-7	226-789-3	-	Not Classified	Commercial secret
C.I.PG 7	1328-53-6	215-524-7	-	Not Classified	Commercial secret
Carbon black	1333-86-4	215-609-9	-	Not Classified	Commercial secret
C.I. Pigment White 6	13463-67-7	236-675-5	-	Not Classified	Commercial secret
<b>Light blue</b>					
C.I.PB 15:3	147-14-8	205-685-1	-	Not Classified	Commercial secret
C.I. Pigment White 6	13463-67-7	236-675-5	-	Not Classified	Commercial secret
<b>Pale Royal Blue</b>					
C.I.PB 15:3	147-14-8	205-685-1	-	Not Classified	Commercial secret
C.I.PV 1	1326-03-0	215-413-3	-	Hazardous To The Aquatic Environment – Long-Term (Chronic) Hazard , Category 1 , H410	Commercial secret
<b>Deep violet</b>					
C.I.PV 23	6358-30-1	228-767-9	-	Not Classified	Commercial secret
C.I.PB 15:0	147-14-8	205-685-1	-	Not Classified	Commercial secret
<b>light beige</b>					
C.I.PY 12	6358-85-6	228-787-8	-	Not Classified	Commercial secret
C.I.PR 21	6410-26-0	229-096-4	-	Not Classified	Commercial secret
C.I. Pigment White 6	13463-67-7	236-675-5	-	Not Classified	Commercial secret
<b>Red coffee</b>					
C.I.PR 21	6410-26-0	229-096-4	-	Not Classified	Commercial secret
C.I.PY 14	5468-75-7	226-789-3	-	Not Classified	Commercial secret
Carbon black	1333-86-4	215-609-9	-	Not Classified	Commercial secret
<b>Black</b>					
Carbon black	1333-86-4	215-609-9	-	Not Classified	Commercial secret

## 4 First aid measures

### Description of first aid measures

<b>General advice</b>	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
<b>Skin contact</b>	No harm in general situation. Wash off with water and consult a physician if feel uncomfortable.
<b>Ingestion</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.
<b>Inhalation</b>	Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.
<b>Protecting of first-aiders</b>	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.



**| Most important symptoms and effects, both acute and delayed**

- |   |                        |
|---|------------------------|
| 1 | Please see section 11. |
|---|------------------------|

**| Indication of any immediate medical attention and special treatment needed**

- |   |                          |
|---|--------------------------|
| 1 | Treat symptomatically.   |
| 2 | Symptoms may be delayed. |

**5 Firefighting measures****| Extinguishing media**

Suitable extinguishing media	Use extinguishing media suitable for surrounding area.
Unsuitable extinguishing media	There is no restriction on the type of extinguisher which may be used.

**| Specific hazards arising from the substance or mixture**

- |   |   |
|---|---|
| 1 | Not combustible, not considered a significant fire risk, however containers may burn. |
| 2 | Development of hazardous combustion gases or vapor possible in the event of fire.     |

**| Advice for firefighters**

- |   |  |
|---|--|
| 1 | As in any fire, wear self-contained breathing apparatus ( MSHA/NIOSH approved or equivalent) and full protective gear. |
| 2 | Fight fire from a safe distance, with adequate cover.  |
| 3 | Prevent fire extinguishing water from contaminating surface water or the ground water system.                          |

**6 Accidental release measures****| Personal precautions, protective equipment and emergency procedures**

- |   |   |
|---|---|
| 1 | Ensure adequate ventilation.  |
| 2 | Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. |
| 3 | Use personal protective equipment. Avoid breathing vapours, mist, gas or dust.    |

**| Environmental precautions**

- |   |   |
|---|---|
| 1 | Prevent further leakage or spillage if safe to do so. |
| 2 | Do not let product enter drains.                      |

**| Methods and materials for containment and cleaning up**

- |   |   |
|---|---|
| 1 | Use clean, non-sparking tools to collect absorbed material.   |
| 2 | Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.  |
| 3 | Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations. |

**7 Handling and storage****| Precautions for handling**

## ◆ Protective measures

- |   |   |
|---|---|
| 1 | Handling is performed in a well ventilated place. |
| 2 | Avoid contact with eyes.                          |

◆ Measures to prevent fire

1 Keep away from heat/sparks/open flames/ hot surfaces.

◆ Measures to prevent aerosol and dust generation

1 Avoid formation of dust and aerosols.

2 Provide appropriate exhaust ventilation at places where dust is formed.

◆ Advice on general occupational hygiene

1 Wash hands and face after using of the substances.

2 Replace the contaminated clothing immediately.

| **Conditions for safe storage, including any incompatibilities**

1 Keep containers tightly closed.

2 Keep containers in a dry, cool and well-ventilated place.

3 Keep away from heat/sparks/open flames/hot surfaces.

4 Store away from incompatible materials and foodstuff containers.

| **Specific end uses**

1 In addition to use mentioned in the first parts, unforeseen other specific end uses.

**8 Exposure controls/personal protection**

| **Control parameters**

◆ Occupational Exposure limit values

Component	Country/Region	Limit value - Eight hours		Limit value - Short term	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
kaolin clay 1332-58-7	USA - OSHA	-	15	-	-
	South Korea	-	2	-	-
	Ireland	-	2	-	-
	France	-	10	-	-
	Denmark	-	2	-	4
	Australia	-	10	-	-
Zinc distearate 557-05-1	USA - OSHA	-	15	-	-
	USA - OSHA	-	5	-	-
	USA - NIOSH	-	10	-	-
	USA - NIOSH	-	5	-	-
	United Kingdom	-	4	-	-
	Switzerland	-	3	-	-
	South Korea	-	10	-	-
	Ireland	-	10	-	20
	France	-	10	-	-

	France	-	10	-	-
	Canada - Québec	-	10	-	-
wax 8002-74-2	USA - NIOSH	-	2	-	-
	United Kingdom	-	2	-	6
	South Korea	-	2	-	-
	Ireland	-	2	-	6
	Denmark	-	2	-	4
	Australia	-	2	-	-
C.I. Pigment White 6 13463-67-7	USA - OSHA	-	15	-	-
	South Korea	-	10	-	-
	Ireland	-	10	-	-
	France	-	11	-	-
	Denmark	-	6	-	12
	Australia	-	10	-	-
C.I.P.B 15:0 147-14-8	Latvia	-	5	-	-
Carbon black 1333-86-4	USA - OSHA	-	3.5	-	-
	South Korea	-	3.5	-	-
	Ireland	-	3.5	-	7
	France	-	3.5	-	-
	Denmark	-	3.5	-	7
	Australia	-	3	-	-

◆ Biological limit values

**Biological limit values** | No information available

◆ Monitoring methods

1	EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
2	GBZ/T 160.1~GBZ/T 160.81-2004 Determination of toxic substances in workplace air ( Series standard ).

◆ Derived No effect level(DNEL)

Component	Route of exposure	DNEL for Workers			
		Acute effects(local)	Acute effects(systemic)	Chronic effects(local)	Chronic effects(systemic)
Zinc distearate 557-05-1	Inhalation	No data available	No data available	No data available	44.0789mg/m <sup>3</sup>
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
C.I.P.R 57:1 5281-04-9	Inhalation	No data available	No data available	No data available	4.4 mg/m <sup>3</sup>
	Oral	No data available	No data available	No data available	No data available



	Dermal	No data available	No data available	No data available	No data available
C.I. Pigment White 6 13463-67-7	Inhalation	No data available	No data available	10 mg/m <sup>3</sup>	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
C.I.P.Y 12 6358-85-6	Inhalation	No data available	No data available	3 mg/m <sup>3</sup>	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
C.I.P.G 7 1328-53-6	Inhalation	No data available	No data available	No data available	4 mg/m <sup>3</sup>
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
C.I.P.Y 14 5468-75-7	Inhalation	No data available	No data available	3 mg/m <sup>3</sup>	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
C.I.P.B 15:0 147-14-8	Inhalation	No data available	No data available	No data available	4 mg/m <sup>3</sup>
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Carbon black 1333-86-4	Inhalation	No data available	No data available	3.5	1~2 mg/m <sup>3</sup>
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
C.I.P.V 23 6358-30-1	Inhalation	No data available	No data available	3 mg/m <sup>3</sup>	49 mg/m <sup>3</sup>
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available

◆ Predicted No Effect Concentration ( PNEC )

<b>Predicted No Effect Concentration ( PNEC )</b>	No information available
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| Engineering controls

1	Handle in accordance with good industrial hygiene and safety practice.
2	Keep away from foodstuffs, beverages and feed.
3	Wash hands before breaks and at the end of workday.

| Personal protection equipment

<b>General requirement</b>	No special requirements, please see the description below.
<b>Eye protection</b>	In general situation, eye protection is not needed. In the production process, when contacting with dust, tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US).
<b>Hand protection</b>	In general situation, hand protection is not needed.
<b>Respiratory protection</b>	In general situation, respiratory protection is not needed. If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.
<b>Skin and body protection</b>	In general situation, skin and body protection are not needed.



## 9 Physical and chemical properties

### Physical and chemical properties

Appearance	Colored solid, each lead has a weight of 1.8g to 2.0g and is used in pencils
Odor	Odorless
Odor threshold	No information available
pH	Not soluble in water, no pH value
Melting point/freezing point(°C)	No information available
Initial boiling point and boiling range(°C)	No information available
Flash point(Closed cup,°C)	Not applicable
Evaporation rate	Not applicable
Flammability	Not flammable
Upper/lower explosive limits[% (v/v)]	Upper limit : No information available ; Lower limit : No information available
Vapor pressure	Not applicable
Vapor density(Air = 1)	Not applicable
Relative density(Water=1)	No information available
Solubility(mg/L)	Insoluble in water
n-octanol/water partition coefficient	No information available
Auto-ignition temperature(°C)	No information available
Decomposition temperature(°C)	No information available
Viscosity(mm <sup>2</sup> /s)	Not applicable
Explosive properties	Not explosive
Oxidizing properties	Not oxidizing

## 10 Stability and reactivity

### Stability and reactivity

Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
Chemical stability	Stable under proper operation and storage conditions.
Possibility of hazardous reactions	No information available.
Conditions to avoid	Incompatible materials, heat, flame and spark.
Incompatible materials	Strong oxidizing agent.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11 Toxicological information

### Acute toxicity

Component	Cas No.	LD <sub>50</sub> (oral)	LD <sub>50</sub> (dermal)	LC <sub>50</sub> (inhalation,4h)
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## Color lead

C.I.P.O 13	3520-72-7	> 5000mg/kg(Rat)	No information available	No information available
Carboxymethylcellulose Sodium	9004-32-4	27000mg/kg(Rat)	> 2000mg/kg(Rabbit)	> 5.8mg/L(Rat)
C.I.P.Y 12	6358-85-6	> 10800mg/kg(Rat)	No information available	No information available
C.I.P.Y 14	5468-75-7	> 5000mg/kg(Rat)	No information available	No information available
Carbon black	1333-86-4	> 15400mg/kg(Rat)	> 3000mg/kg(Rabbit)	No information available
Zinc distearate	557-05-1	> 10000mg/kg(Rat)	No information available	No information available

## Carcinogenicity

ID	Cas No.	Component	IARC	NTP
1	1332-58-7	kaolin clay	Not Listed	Not Listed
2	557-05-1	Zinc distearate	Not Listed	Not Listed
3	9004-32-4	Carboxymethylcellulose Sodium	Not Listed	Not Listed
4	8002-74-2	wax	Not Listed	Not Listed
5	6410-26-0	C.I.P.R 21	Not Listed	Not Listed
6	5281-04-9	C.I.P.R 57:1	Not Listed	Not Listed
7	13463-67-7	C.I. Pigment White 6	Category 2B	Not Listed
8	3520-72-7	C.I.P.O 13	Not Listed	Not Listed
9	6358-85-6	C.I.P.Y 12	Not Listed	Not Listed
10	1328-53-6	C.I.P.G 7	Not Listed	Not Listed
11	5468-75-7	C.I.P.Y 14	Not Listed	Not Listed
12	147-14-8	C.I.P.B 15:0	Not Listed	Not Listed
13	1333-86-4	Carbon black	Category 2B	Not Listed
14	147-14-8	C.I.P.B 15:3	Not Listed	Not Listed
15	1326-03-0	C.I.P.V 1	Not Listed	Not Listed
16	6358-30-1	C.I.P.V 23	Not Listed	Not Listed

## Others

Color lead	
Skin corrosion/irritation	Based on available data, the classification criteria are not met
Serious eye damage/irritation	Based on available data, the classification criteria are not met
Skin sensitization	Based on available data, the classification criteria are not met
Respiratory sensitization	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

<b>STOT-repeated exposure</b>	Based on available data, the classification criteria are not met
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met
<b>Reproductive toxicity(additional)</b>	Based on available data, the classification criteria are not met

## 12 Ecological information

### | Acute aquatic toxicity

Component	Cas No.	Fish	Crustaceans	Algae
Carboxymethylcellulose Sodium	9004-32-4	No information available	EC <sub>50</sub> : 87.3mg/L (48h)(Crustaceans)	No information available

### | Chronic aquatic toxicity

<b>Chronic aquatic toxicity</b>	No information available
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### | Persistence and degradability

Component	Cas No.	Persistence (water/soil)	Persistence (air)
kaolin clay	1332-58-7	High	High
<b>C.I. Pigment White 6</b>	13463-67-7	High	High
<b>C.I.P.B 15:0</b>	147-14-8	High	High
<b>C.I.P.Y 14</b>	5468-75-7	High	High
<b>Zinc distearate</b>	557-05-1	Low	Low
<b>C.I.P.Y 12</b>	6358-85-6	High	High

### | Bioaccumulative potential

Component	Cas No.	Bioaccumulative potential	comments
<b>C.I.P.G 7</b>	1328-53-6	Low	BCF=74
kaolin clay	1332-58-7	Low	BCF=10
<b>C.I. Pigment White 6</b>	13463-67-7	Low	BCF=10
<b>C.I.P.B 15:0</b>	147-14-8	Low	BCF=33
<b>C.I.P.O 13</b>	3520-72-7	Low	BCF=5.6
<b>C.I.P.R 57:1</b>	5281-04-9	Low	BCF=7
<b>C.I.P.Y 14</b>	5468-75-7	Low	BCF=4.9
<b>Zinc distearate</b>	557-05-1	Low	Log K <sub>ow</sub> =1.2
<b>C.I.P.Y 12</b>	6358-85-6	Low	BCF=5.4

### | Mobility in soil

Component	Cas No.	Mobility in soil	Soil Organic Carbon-Water Partitioning Coefficient (K <sub>oc</sub> )
kaolin clay	1332-58-7	Low	23.74
<b>C.I. Pigment White 6</b>	13463-67-7	Low	23.74

<b>C.I.P.B 15:0</b>	147-14-8	Low	10000000000
<b>C.I.P.Y 14</b>	5468-75-7	Low	217800
<b>Zinc distearate</b>	557-05-1	Low	11670
<b>C.I.P.Y 12</b>	6358-85-6	Low	79680

#### Results of PBT and vPvB assessment

Component	Cas No.	Results of PBT and vPvB assessment ( according to (EC) No 2015/830)
kaolin clay	1332-58-7	not PBT/vPvB
Zinc distearate	557-05-1	not PBT/vPvB
Carboxymethylcellulose Sodium	9004-32-4	not PBT/vPvB
wax	8002-74-2	not PBT/vPvB
<b>C.I.P.R 21</b>	6410-26-0	not PBT/vPvB
<b>C.I.P.R 57:1</b>	5281-04-9	not PBT/vPvB
<b>C.I. Pigment White 6</b>	13463-67-7	not PBT/vPvB
<b>C.I.P.O 13</b>	3520-72-7	not PBT/vPvB
<b>C.I.P.Y 12</b>	6358-85-6	not PBT/vPvB
<b>C.I.P.G 7</b>	1328-53-6	not PBT/vPvB
<b>C.I.P.Y 14</b>	5468-75-7	not PBT/vPvB
<b>C.I.P.B 15:0</b>	147-14-8	not PBT/vPvB
Carbon black	1333-86-4	not PBT/vPvB
<b>C.I.P.B 15:3</b>	147-14-8	not PBT/vPvB
<b>C.I.P.V 1</b>	1326-03-0	not PBT/vPvB
<b>C.I.P.V 23</b>	6358-30-1	not PBT/vPvB

### 13 Disposal considerations

#### Disposal considerations

<b>Waste chemicals</b>	Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.
<b>Contaminated packaging</b>	Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.
<b>Disposal recommendations</b>	Refer to section 13.1and 13.2.

### 14 Transport information

#### Label and Mark

<b>Transporting Label</b>	Not applicable
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#### IMDG-CODE



<b>IMDG-CODE</b>	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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**ICAO/IATA-DGR**

<b>ICAO/IATA-DGR</b>	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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**UN-ADR**

<b>UN-ADR</b>	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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**15 Regulatory information****International chemical inventory**

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS
kaolin clay	✓	✓	✓	✓	✓	✓	✓	✓	✗
Zinc distearate	✓	✓	✓	✓	✓	✓	✓	✓	✓
Carboxymethylcellulose Sodium	✗	✓	✓	✓	✓	✓	✓	✓	✓
wax	✓	✓	✓	✓	✓	✓	✓	✓	✗
C.I.P.R 21	✓	✓	✗	✗	✗	✗	✗	✗	✗
C.I.P.R 57:1	✓	✓	✓	✓	✓	✓	✗	✓	✓
C.I. Pigment White 6	✓	✓	✓	✓	✓	✓	✓	✓	✓
C.I.P.O 13	✓	✓	✓	✓	✓	✓	✓	✓	✓
C.I.P.Y 12	✓	✓	✓	✓	✓	✓	✓	✓	✓
C.I.P.G 7	✓	✓	✓	✓	✓	✓	✓	✓	✓
C.I.P.Y 14	✓	✓	✓	✓	✓	✓	✓	✓	✓
C.I.P.B 15:0	✓	✓	✓	✓	✓	✓	✓	✓	✓
Carbon black	✓	✓	✓	✓	✓	✓	✓	✓	✗
C.I.P.B 15:3	✓	✓	✓	✓	✓	✓	✓	✓	✓
C.I.P.V 1	✓	✓	✓	✓	✓	✓	✓	✓	✓
C.I.P.V 23	✓	✓	✓	✓	✓	✓	✓	✓	✗

**[EINECS]** European Inventory of Existing Commercial Chemical Substances**[TSCA]** United States Toxic Substances Control Act Inventory**[DSL]** Canadian Domestic Substances List**[IECSC]** China Inventory of Existing Chemical Substances**[NZIoC]** New Zealand Inventory of Chemicals**[PICCS]** Philippines Inventory of Chemicals and Chemical Substances**[KECI]** Existing and Evaluated Chemical Substances**[AICS]** Australia Inventory of Chemical Substances**[ENCS]** Existing And New Chemical Substances**European chemical inventory**

Component	A	B	C	D	E	F	G
kaolin clay	✗	✗	✓	✓	✓	✗	✗

## Color lead

Zinc distearate	x	x	x	✓	✓	x	x
Carboxymethylcellulose Sodium	x	x	x	✓	x	x	x
wax	x	x	x	✓	✓	x	x
C.I.P.R 21	x	x	x	✓	x	x	x
C.I.P.R 57:1	x	x	x	✓	✓	x	x
C.I. Pigment White 6	x	x	x	✓	✓	✓	x
C.I.P.O 13	x	x	x	✓	✓	x	x
C.I.P.Y 12	x	x	x	✓	✓	x	x
C.I.P.G 7	x	x	x	✓	✓	x	x
C.I.P.Y 14	x	x	x	✓	✓	x	x
C.I.P.B 15:0	x	x	x	✓	✓	x	x
Carbon black	x	x	x	✓	✓	x	x
C.I.P.B 15:3	x	x	x	✓	✓	x	x
C.I.P.V 1	x	x	x	✓	x	x	x
C.I.P.V 23	x	x	x	✓	✓	x	x

[A] Candidate list of Substances of Very High Concern for authorization under EU REACH regulation

[B] Substances requiring authorisation under EU REACH regulation

[C] Substances restricted under EU REACH

[D] Pre-registered substances under EU REACH

[E] Registered substances under EU REACH

[F] Substance Evaluation – CoRAP under EU REACH

[G] List of priority substances under EU water policy ( Directive 2455/2001/EC )

### Note

"✓" Indicates that the substance included in the regulations

"x" That no data or included in the regulations

## 16 Others

### Information on revision

Creation Date	2019/05/15
Revision Date	2019/05/15
Reason for revision	-

### Reference

[1]IPCS: The International Chemical Safety Cards (ICSC), website: <http://www.ilo.org/dyn/icsc/showcard.home>.

[2]IARC , website: <http://www.iarc.fr/>.

[3]OECD: The Global Portal to Information on Chemical Substances, website:  
[http://www.chemportal.org/chemportal/index?pageID=0&request\\_locale=en](http://www.chemportal.org/chemportal/index?pageID=0&request_locale=en).

[4]CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>.

[5]NLM: ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>.

[6]EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov/iris/>.

[7]U.S. Department of Transportation: ERG, website: <http://www.phmsa.dot.gov/hazmat/library/erg>.

[8]Germany GESTIS-database on hazard substance, website: <http://gestis-en.itrust.de/>.

## Abbreviations and acronyms

**CAS** –Chemical Abstracts Service

**PC-STEL**- Short term exposure limit

**DNEL** - Derived No Effect Level

**RPE** - Respiratory Protective Equipment

**LC<sub>50</sub>** - Lethal Concentration 50%

**NOEC** -No Observed Effect Concentration

**PBT** - Persistent, Bioaccumulative, Toxic

**BCF** - Bioconcentration factor (BCF)

**IMDG**-International Maritime Dangerous Goods

**UN**-The United Nations

**NFPA**-National Fire Protection Association

**CMR** - Carcinogens, mutagens or substances toxic to reproduction

**PC-TWA** - Time Weighted Average

**IARC** - International Agency for Research on Cancer

**PNEC** –Predicted No Effect Concentration

**LD<sub>50</sub>** - Lethal Dose 50%

**EC<sub>50</sub>** - Effective Concentration 50%

**POW** - Partition coefficient Octanol: Water

**VPvB** - very Persistent, very Bioaccumulative

**ICAO/IATA**-International Civil Aviation Organization/International Air Transportation Association

**ACGIH**-American Conference of Governmental Industrial Hygienists

**OECD**-Organization for Economic Co-operation and Development

## Disclaimer

This Safety Data Sheet (SDS) was prepared according to REACH Regulation. The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

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