

Safety Data Sheet
According to Regulation (EC) No 1907/2006, Annex II,
Amended by COMMISSION REGULATION (EU) 2020/878,
According to REGULATION (EC) No 1272/2008



Issue Date: 2022-08-23

EFSH22061755-CG-03

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

• 1.1 Product identifier

• Trade name:

Color pencil lead

• Registration number:

No available data.

• UFI number:

No available data.

• Other means of identification:

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, writing.

• 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:

Longkou Yiyou Statronery Industry Co., Ltd

1, Road Yiyou, Xufu Town, Longkou City, Shandong, China

Post code: 265713

Tel: 0086-535-8592909

Fax: 0086-535-8592907

Email: yiyoupencil@163.com

National contact: Wang hongyuan

• Only Representative/other EU contact point:

No information available.

• Further information obtainable from:

Longkou Yiyou Statronery Industry Co., Ltd

• 1.4 Emergency telephone number

Tel: 0086 13963826488 (24 hour available)

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 labelled according to CLP Regulation.



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• **Hazard pictograms:**

Not applicable

• **Signal word:**

Not applicable

• **Hazard-determining components of labelling:**

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:**

Color pencil lead.

Ingredients:						
Substance	CAS No.	Index No.	EC No.	w/w, %	CLP Classificati	SCL/M-fact or/AT
Kaolin	1332-58-7	-	310-194-1	40-60	None	-
Paraffin wax	63231-60-	-	264-038-1	12-18	None	-
Sodium carboxymethyl cellulose	9004-32-4	-	-	10-20	None	-
May contains:						
C.I. Pigment Red 170	2786-76-7	-	220-509-3	Commercial secret	None	-
C.I. Pigment Green 7	1328-53-6	-	215-524-7	Commercial secret	None	-
C.I. Pigment Blue	147-14-8	-	205-685-1	Commercial secret	None	-
C.I. basic violet 23	6358-30-1	-	228-767-9	Commercial secret	None	-
Litholrubin BCA	5281-04-9	-	226-109-5	Commercial	None	-

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				I secret		
C.I. Pigment Yellow 14	5468-75-7	-	226-789-3	Commercial I secret	None	-
C.I. Pigment Orange 34	15793-73-4	-	239-898-6	Commercial I secret	None	-
Carbon black	1333-86-4	-	215-609-9	Commercial I secret	None	-
Aluminium powder (stabilised)	7429-90-5	013-002-00-1	231-072-3	Commercial I secret	Flam. Sol. 1, H228 Water-react. 2, H261	-
PEG	25322-68-3	-	500-038-2	Commercial I secret	None	-
luminous powder	12004-37-4	-	234-455-3	Commercial I secret	Skin Irrit. 2, H315 Eye Irrit. 2, H319	-

Additional information:

For full text of H-statements, see SECTION 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

General advice:

Get medical attention if you feel unwell.

After inhalation:

Supply with fresh air.

Get medical attention if you feel unwell.

After skin contact:

Wash with water.

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

After eye contact:

Rinse cautiously with water.

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:

No known important symptoms or effects, acute or delayed.

· 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:

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Use CO₂, chemical powder, water spray or alcohol resistant foam to extinguish.

• **Unsuitable extinguishing media:**

No known unsuitable extinguishing media.

• **5.2 Special hazards arising from the substance or mixture:**

No known 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 breathe dust.

Avoid contact with eyes.

• **6.1.2 For emergency responders**

Personal protective equipment:

Wear respiration protection.

• **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:**

Pick up mechanically.

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:**

Ensure adequate ventilation at workplace.

Avoid breathing dust.

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 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
1332-58-7 Kaolin		
Belgium	2 mg/m ³	-
Denmark	2 mg/m ³ respirable aerosol	4 mg/m ³ respirable aerosol
Finland	2 mg/m ³ Respirable fraction	-
France	10 mg/m ³ respirable aerosol	-
Ireland	2 mg/m ³	-
United Kingdom	2 mg/m ³ respirable aerosol	-
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	-
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	-
1333-86-4 Carbon black		
Belgium	3 mg/m ³	-

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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 mg/m ³ Inhalable fraction	-
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 mg/m ³

7429-90-5 Aluminum powder

Austria	10mg/m ³ Inhalable fraction; 5 mg/m ³ Respirable fraction	20mg/m ³ Inhalable fraction; 60 minutes average value 10mg/m ³ Respirable fraction; 60 minutes average value
Denmark	5mg/m ³ Inhalable aerosol; 2mg/m ³ Respirable aerosol	10mg/m ³ Inhalable aerosol; 4mg/m ³ Respirable aerosol
France	10 mg/m ³ inhalable aerosol; 5 mg/m ³ Respirable aerosol	-
Germany (DFG)	4 mg/m ³ Inhalable aerosol; 1.5 mg/m ³ Respirable aerosol	-
Hungary	6 mg/m ³ Respirable aerosol	-
Ireland	1 mg/m ³ Respirable fraction	-
Latvia	2 mg/m ³	-
Spain	10 mg/m ³ Inhalable aerosol; 5 mg/m ³ Respirable aerosol	-
United Kingdom	10 mg/m ³ Inhalable aerosol; 4 mg/m ³ Respirable aerosol	-

· DNELs:

Systemic effects

· PNECs:

PNEC type	Value
13463-67-7 Titanium dioxide	
Freshwater	184 µg/L
Intermittent releases (freshwater)	193 µg/L
Marine water	18.4 µg/L

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Sewage treatment plant (STP)	100 mg/L
Sediment (freshwater)	1000 mg/kg sediment dw
Sediment (marine water)	100 mg/kg sediment dw
1333-86-4 Carbon black	
Freshwater	50 mg/L
7429-90-5 Aluminum powder	
Sewage treatment plant (STP)	20 mg/L

• **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:**

No special eye and face protection required.

• **Skin protection**

• **Hand protection:**

No special protection of hands required.

• **Other skin protection:**

No special protection required.

• **Respiration protection:**

Respiration protection is recommended.

• **Thermal hazards:**

No special requirement.

• **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 flammable solid
• Lower and upper explosion limit	Not determined

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• Flash point	Not determined
• Auto-ignition temperature	Not determined
• Decomposition temperature	Not determined
• pH	Not determined
• Kinematic viscosity (mm²/s)	Not determined
• Solubility	Partially soluble in water
• Partition coefficient n-octanol/water (log value)	Not determined
• 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
• Gases under pressure	Not applicable
• Flammable liquids	Not determined
• Flammable solids	Not applicable
• Self-reactive substances and mixtures	Not applicable
• Pyrophoric liquids	Not applicable
• Pyrophoric solids	Not applicable
• Self-heating substances and mixtures	Not applicable
• Substances and mixtures, which emit flammable gases in contact with water	Not applicable
• Oxidizing liquids	Not applicable
• Oxidizing solids	Not applicable
• Organic peroxides	Not applicable
• Corrosive to metals	Not applicable
• Desensitised explosives	Not applicable
• 9.2.2 Other safety characteristics	
• Mechanical sensitivity	Not applicable
• Self-accelerating polymerisation temperature	Not applicable
• Formation of explosible dust/air mixtures	Not applicable
• Acid/alkaline reserve	Not determined
• Evaporation rate	Not determined
• Miscibility	Not determined
• Conductivity	Not determined
• Corrosiveness	Not determined
• Gas group	Not applicable
• Redox potential	Not applicable
• Radical formation potential	Not applicable

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• Photocatalytic properties	Not applicable
• Other physical and chemical parameters	Not determined

SECTION 10: Stability and reactivity

• 10.1 Reactivity:

The product is no-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 temperatures.

• 10.5 Incompatible materials:

Strong oxidizing agents and strong acids.

• 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.

LD50/LC50 values relevant for classification:

13463-67-7 Titanium dioxide

Rat	LD50-oral	>20000mg/kg
	LC50-inhalation	>6.82mg/L

Rabbit	LD50-skin	>10000mg/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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Remark: All the above data are from literature.

• 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.

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• **Carcinogenicity:**

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

• **Reproductive toxicity:**

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

• **Summary of evaluation of the CMR properties:**

Not classified as CMR product.

• **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.

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:**

LC50/EC50/NOEC values relevant for classification:

1333-86-4 Carbon black

Short-term toxicity to fish

LC50 (4 days) 1 - 10 g/L

NOEC (4 days) 1 - 10 g/L

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

Toxicity to microorganisms

EC50 (3 h) 800 - 1 000 mg/L

• **12.2 Persistence and degradability:** No available data.

• **12.3 Bio-accumulative potential:** No available data.

• **12.4 Mobility in soil:** No available data.

• **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.

• **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.

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• **12.7 Other adverse effects:**

No known other adverse effects.

• **12.8 Additional ecological information**

• **General notes:**

WGK1 (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, IMO/IMDG, IATA-DGR	Not regulated as dangerous transport goods, not applicable
• 14.2 UN proper shipping name ADR/RID/ADN, IMO/IMDG, IATA-DGR	Void
• 14.3 Transport hazard class (es) ADR/RID/ADN, IMO/IMDG, IATA-DGR Class Label	Void Void
• 14.4 Packing group ADR/RID/ADN, IMO/IMDG, IATA-DGR	Void
• 14.5 Marine pollution	No
• 14.6 Special precautions for user • Danger code (Kemler) • EMS number	Void Void Void
• 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Void

SECTION 15: Regulatory information

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

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

1332-58-7	Kaolin	3
13463-67-7	Titanium dioxide	4
1333-86-4	Carbon black	3

• **Directive 2012/18/EU**

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• **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:**

WGK1 (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

• **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

Flam. Sol. 1: Flammable solids, hazard category 1

Water-react. 2: Contact with water emit flammable gases, hazard category 2

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

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

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• **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) 1207/2008 [CLP]:**

See section 2.1 (classification).

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

H228 Flammable solid
H261 In contact with water releases flammable gases
H315 Causes skin irritation
H319 Causes serious eye irritation

• **16.6 Training advice:**

Workers must be educated and trained so they can read SDS and understand the hazards, and know how to work safely with hazardous products.

• **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.

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.

End of safety data sheet