

SDS Report

No. SHAEC1505449501

Date: Apr. 8, 2015

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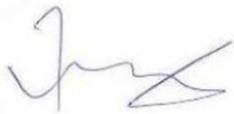
Harbin Tientan Pencil Lead CO.,LTD.
NO.1 GongnongRoad.Songpu Town Songbei District.Harbin

SGS Ref. No. : 1290219-TJ
Sample Name : Pencil Lead
End Uses : Stationery, Office
Composition/Ingredient of sample (as per client submission) : See Section 3 Composition/information on ingredients on the SDS report
Job Receiving Date : Apr 02, 2015
Last Information Date : Apr 03, 2015
SDS Preparation Period : Apr 02 ~ Apr 07, 2015

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with European Commission Directives 67/548/EEC, 1999/45/EC, Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 and Regulation (EU) No 453/2010, and is provided per attached.

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.



Wei WANG, Terry
Approved Signatory



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Safety data sheet

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

Printing date 07.04.2015

Revision: 03.04.2015

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

- **1.1 Product identifier**
- **Trade name:** Pencil Lead

- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture** Stationery, Office

- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Harbin Tientan Pencil Lead CO.,LTD.
NO.1 GongnongRoad.Songpu Town Songbei District.Harbin
Tel: 0451-87165877
E-mail: ttqx2006@126.com
- **Only Representative / other EU contact point** Not available
- **Further information obtainable from:** Harbin Tientan Pencil Lead CO.,LTD.

- **1.4 Emergency telephone number:**
GuoShuxin
Tel: 13936592018

- **1.5 Reference number:** 1290219-TJ; SHAEC1505449501

UNITED KINGDOM
National Poisons Information Service
Tel: +44 (0) 844 892 0111

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
 - **Classification according to Regulation (EC) No 1272/2008**
The product is not classified according to the CLP regulation.
 - **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.
 - **Information concerning particular hazards for human and environment:**
The product does not have to be labelled due to the calculation procedure of Regulation (EC) No 1272/2008.
 - **Classification system:**
The classification is according to the latest edition of the Directives 67/548/EEC, 1999/45/EC and Regulation (EC) No. 1272/2008, and extended by company and literature data.
-
- **2.2 Label elements**
 - **Labelling according to Regulation (EC) No 1272/2008** Not applicable
 - **Hazard pictograms** Not applicable
 - **Signal word** Not applicable

 - **Hazard-determining components of labelling:** Not applicable
 - **Hazard statements** Not applicable
 - **Precautionary statements** Not applicable

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

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Composition:**

CAS: 7782-42-5	Graphite	substance with a Community workplace exposure limit	60,0%
EINECS: 231-955-3			
CAS: 9002-89-5	Polyvinyl Alcohol		20,0%

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CAS: 1333-86-4 EINECS: 215-609-9	Carbon black	substance with a Community workplace exposure limit	20,0%
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· Remark:

Polyvinyl alcohol (CAS No.9002-89-5)

Synonym: polyvinyli alcohol resin

All ingredients listed above are not classified according to EU Directive 67/548/EEC, 1999/45/EC and Regulation 1272/2008/EC.

SECTION 4: First aid measures**· 4.1 Description of first aid measures****· After inhalation:** Supply fresh air; consult doctor in case of complaints.**· After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing:

Rinse out mouth with water.

Never give anything by mouth to an unconscious person.

If symptoms persist consult doctor.

· 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.**· 4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

SECTION 5: Firefighting measures**· 5.1 Extinguishing media****· Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.**· 5.2 Special hazards arising from the substance or mixture** No further relevant information available.**· 5.3 Advice for firefighters****· Protective equipment:**

Wear fully protective suit.

Mouth respiratory protective device.

SECTION 6: Accidental release measures**· 6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes.

Avoid contact with skin.

· 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.**· 6.3 Methods and material for containment and cleaning up:**

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

· 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
 Ensure good ventilation/exhaustion at the workplace.
 Keep receptacles tightly sealed.
 Keep away from heat and direct sunlight.
 Prevent formation of dust.
 Avoid contact with skin and eyes.
 Avoid ingestion and inhalation.
- **Information about fire - and explosion protection:** Normal measures for preventive fire protection.
- **7.2 Conditions for safe storage, including any incompatibilities:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

7782-42-5 Graphite

AGW (Germany)	Long-term value: 1,25* 10** mg/m ³ 2(II);*alveolengängig**einatembar; AGS, DFG
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1333-86-4 Carbon black

WEL (Great Britain)	Short-term value: 7 mg/m ³ Long-term value: 3,5 mg/m ³
---------------------	---

- **DNELs:** Not applicable
- **PNECs:** Not applicable
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Based on composition shown in Section 3, the following measures are suggested for occupational safety measure:**
- **Appropriate engineering controls:** See Section 7 for information about design of technical facilities.
- **Personal protective equipment:**
- **Respiratory protection:** Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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- **Penetration time of glove material:**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

- **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: | Solid |
| · Colour: | Black |
| · Odour: | Odourless |
| · Odour threshold: | Data not available. |

- | | |
|--------------------|--------------------|
| · pH-value: | Data not available |
|--------------------|--------------------|

· Change in condition

- | | |
|---------------------------------------|---------------------|
| · Melting point/Melting range: | Data not available. |
| · Boiling point/Boiling range: | Data not available |
| · Freezing point: | Data not available |

- | | |
|-----------------------|--------------------|
| · Flash point: | Data not available |
|-----------------------|--------------------|

- | | |
|---|---------------------|
| · Flammability (solid, gaseous): | Date not available. |
|---|---------------------|

- | | |
|-------------------------------------|--------------------|
| · Auto-Ignition temperature: | Data not available |
|-------------------------------------|--------------------|

- | | |
|-------------------------------------|---------------------|
| · Decomposition temperature: | Date not available. |
|-------------------------------------|---------------------|

- | | |
|-------------------------|------------------------------|
| · Self-igniting: | Product is not selfigniting. |
|-------------------------|------------------------------|

- | | |
|--------------------------------|---|
| · Explosive properties: | Product does not present an explosion hazard. |
|--------------------------------|---|

· Explosion limits:

- | | |
|-------------------------------|---------------------|
| · Lower: | Data not available. |
| · Upper: | Data not available. |
| · Oxidising properties | Data not available. |

- | | |
|---------------------------|---------------------|
| · Vapour pressure: | Date not available. |
|---------------------------|---------------------|

- | | |
|---------------------------|---------------------|
| · Density: | Data not available. |
| · Relative density | Data not available. |
| · Vapour density | Date not available. |
| · Evaporation rate | Data not available |

- | | |
|--|--------------------|
| · Solubility in / Miscibility with water: | Data not available |
|--|--------------------|

- | | |
|---|---------------------|
| · Partition coefficient (n-octanol/water): | Data not available. |
|---|---------------------|

· Viscosity:

- | | |
|---------------------|--------------------|
| · Dynamic: | Data not available |
| · Kinematic: | Data not available |

- | | |
|--------------------------------|--|
| · 9.2 Other information | No further relevant information available. |
|--------------------------------|--|

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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 dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

9002-89-5 Polyvinyl Alcohol

Oral	LD50	14270 mg/kg (mouse)
		23900 mg/kg (rat)

1333-86-4 Carbon black

Oral	LD50	15400 mg/kg (rat)
Dermal	LD50	3000 mg/kg (rabbit)

- **Primary irritant effect:**
- **on the skin:** Irritating effect possible.
- **on the eye:** Irritating effect possible.
- **Sensitisation:** Sensitization possible.
- **Additional toxicological information:**
- *The product is not subjected to classification according to the calculation method based on the EU Directives 67/548/EEC, 1999/45/EC and Regulation 1272/2008/EC.*
- **Toxicokinetics, metabolism and distribution** Data not available
- **Acute effects (acute toxicity, irritation and corrosivity)** Data not available
- **Repeated dose toxicity** Data not available
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)** Data not available

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.
- **12.7 Additional ecological information:**
- **General notes:**
- *Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water*

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

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Smaller quantities can be disposed of with household waste.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|--|-----------------|
| · 14.1 UN-Number
· ADR, IMDG, IATA | Not applicable |
| · 14.2 UN proper shipping name
· ADR, IMDG, IATA | Not applicable |
| · 14.3 Transport hazard class(es)
· ADR, IMDG, IATA
· Class | Not applicable |
| · 14.4 Packing group
· ADR, IMDG, IATA | Not applicable |
| · 14.5 Environmental hazards
· Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | - |

SECTION 15: Regulatory information

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

- **MAK (German Maximum Workplace Concentration)**

1333-86-4 Carbon black

3B

- **National regulations:**

- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

- **Other regulations, limitations and prohibitive regulations**

- **SVHC Candidate List of REACH Regulation Annex XIV Authorisation (17/12/2014)**

None of the ingredients is listed.

- **REACH Regulation Annex XVII Restriction (2/3/2015)**

None of the ingredients is listed.

- **REACH Regulation Annex XIV Authorization List (14/8/2014)**

None of the ingredients is listed.

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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SECTION 16: Other information

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The contents and format of this SDS are in accordance with REGULATION (EC) No 1272/2008, REGULATION (EC) No 1907/2006, Regulation (EU) No 453/2010 and EU Commission Directive 1999/45/EC, 67/548/EEC.

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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

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

· *****

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