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Safety Data Sheet
29 CFR 1910.1200

1 Identification

· **Product identifier**
· **Trade name:** Graphite (Black/Gray) Pencil Lead

· Model Numbers: 86501, 86502

· **Recommended use of the chemical and restrictions on use**
· **Application of the substance / the preparation:** Industrial Writing

· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
Klein Tools Inc.
450 Bond Street, Lincolnshire, IL 60069 USA.
Tel: 1-800-553-4676

· **Emergency telephone number:**
1-800-535-5053, 1-352-323-3500

2 Hazard(s) identification

· **Classification of the substance or mixture**
The product is not classified according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

· **Information concerning particular hazards for human and environment:**
The product has not to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).
· **Classification system:**
The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.

· **Label elements**

· **Labelling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)**
· **Hazard pictograms** Not applicable.
· **Signal word** Not applicable.

· **Hazard-determining components of labeling:** Not applicable.
· **Hazard statements** Not applicable.
· **Precautionary statements** Not applicable.
· **Hazards not otherwise classified (HNOC)** No further relevant information available.

· **Chemical characterization: Mixtures**
· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Composition:**

7782-42-5 Graphite	70.0%
1332-58-7 Kaolin	25.0%
61789-97-7 Tallow	5.0%

·**Remark:**
All ingredients listed above are not classified according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

Trade name: Pencil Lead

4 First-aid measures

· **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.
Seek medical treatment.

· **Most important symptoms and effects, both acute and delayed**
No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

· **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.

· **Special hazards arising from the substance or mixture:** No further relevant information available.

· **Special protective equipment and precautions for firefighters**
· **Protective equipment:**
Mouth respiratory protective device.
Wear fully protective suit.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures:**
Ensure adequate ventilation.
Avoid formation of dust.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with eyes.
Avoid contact with skin.

· **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

· **Methods and material for containment and cleaning up:**
Pick up mechanically.
Dispose contaminated material as waste according to section 13.

7 Handling and storage

· **Precautions for safe handling:**
Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of dust.
Avoid contact with eyes and skin.
For the general occupational hygienic measures refer to Section 8.

· **Information about protection against explosions and fires:**
Normal measures for preventive fire protection.

· **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.

8 Exposure controls/personal protection

· **Control parameters**
· **Components with limit values that require monitoring at the workplace:**

7782-42-5 Graphite

PEL (USA) Long-term value: 15 mppcf* mg/m³
*impinger samples counted by light field techn.

REL (USA) Long-term value: 2.5* mg/m³
*respirable dust

TLV (USA) Long-term value: 2* mg/m³
all forms except graphite fibers;*resp. fraction

1332-58-7 Kaolin

PEL (USA) Long-term value: 15* 5** mg/m³
*total dust **respirable fraction

REL (USA) Long-term value: 10* 5** mg/m³
*total dust **respirable fraction

TLV (USA) Long-term value: 2* mg/m³
E; respirable particulate matter, A4

· **Regulatory information**
PEL (USA): Guide to Occupational Exposure Values (OSHA PELs)
REL (USA): Guide to Occupational Exposure Values (NIOSH RELs)
TLV (USA): Guide to Occupational Exposure Values (TLV)

· **Additional information:** The lists that were valid during the creation were used as basis.
· **Based on the 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**
· **Breathing equipment:** 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.
· **Penetration time of glove material:**
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Trade name: Pencil Lead

· **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

· **Information on basic physical and chemical properties**
· **General Information**
· **Appearance:**
Form: Solid
Color: Black
· **Odor:** Odorless
· **Odor threshold:** Not available.

· **pH-value:** Not available.

· **Change in condition**
Melting point/Melting range: Not available.
Freezing point: Not available.
Boiling point/Boiling range: Not available.

· **Flash point:** Not available.

· **Flammability (solid, gaseous):** No additional information available
· **Auto-Ignition temperature:** Not available.

· **Decomposition temperature:** Not available.

· **Explosion limits:**
Lower: Not available.
Upper: Not available.

· **Vapor pressure:** Not available.
· **Density:** Not available.
· **Relative density** Not available.
· **Vapor density** Not available.
· **Evaporation rate** Not available.

· **Solubility in / Miscibility with**
Water: Not available.

· **Partition coefficient (n-octanol/water):** Not available.

· **Viscosity:**
Dynamic: Not available.
Kinematic: Not available.

· **Other information** No additional information available

10 Stability and reactivity

· **Reactivity** No decomposition if used according to specifications.

· **Chemical stability** Stable under recommended storage conditions.

· **Possibility of hazardous reactions** No dangerous reactions known.

· **Conditions to avoid** No further relevant information available.

· **Incompatible materials:** No further relevant information available.

· **Hazardous decomposition products:** No dangerous decomposition products known.

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11 Toxicological information

· **Acute toxicity**
· **LD/LC50 values that are relevant for classification:** Data not available.
· **Primary irritant effect**
· **Skin corrosion/irritation:** Irritating effect possible.
· **Serious eye damage/irritation:** Irritating effect possible.
· **Respiratory or skin sensitisation:** Sensitization possible.

· **Additional toxicological information:**
The product is not subject to classification according to internally approved calculation methods for preparations.

· **Carcinogenic categories**
· **IARC (International Agency for Research on Cancer)**
None of the ingredients is listed.
· **NTP (National Toxicology Program)**
None of the ingredients is listed.
· **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.

12 Ecological information

· **Toxicity**
· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability** No further relevant information available.

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Other adverse effects** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**
· **Recommendation:** Smaller quantities can be disposed of with household waste.

· **Uncleaned packagings**
· **Recommendation:** Disposal must be made according to official regulations.
· **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

· **UN-Number**
· **DOT, IMDG, IATA** Not applicable.

· **UN proper shipping name**
· **DOT, IMDG, IATA** Not applicable.

· **Transport hazard class(es)**

· **DOT, IMDG, IATA**
· **Class** Not applicable.

· **Packing group**
· **DOT, IMDG, IATA** Not applicable.

· **Environmental hazards** Not applicable.

Trade name: Pencil Lead

· **Special precautions for user** Not applicable.

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

· **Transport/Additional information:** Not dangerous according to the above specifications.

· **UN "Model Regulation":** Not applicable.

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.

· **Sara**

· **Section 355 (extremely hazardous substances):**
None of the ingredient is listed.

· **Section 313 (Specific toxic chemical listings):**
None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**
All components have the value ACTIVE.

· **Proposition 65**

· **Chemicals known to cause cancer:**
None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**
None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**
None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**
None of the ingredients is listed.

· **New Jersey Right-to-Know List:**
7782-42-5 Graphite
1332-58-7 Kaolin

· **New Jersey Special Hazardous Substance List:**
None of the ingredients is listed.

· **Pennsylvania Right-to-Know List:**
7782-42-5 Graphite
1332-58-7 Kaolin

· **Pennsylvania Special Hazardous Substance List:**
None of the ingredients is listed.

· **Cancerogenity categories**

· **EPA (Environmental Protection Agency):**
None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH):**
1332-58-7 Kaolin: A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**
None of the ingredients is listed.

· **National regulations**

· **Additional classification according to Decree on Hazardous Materials:**

· **REACH Regulation Annex XVII Restriction**
See Section 16 for information about restriction of use.
None of the ingredients is listed.

· **REACH Regulation Annex XIV Authorisation List**
None of the ingredients is listed.

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16 Other information

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The contents and format of this SDS are in accordance with 29 CFR 1910.1200.

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In addition, transport information of Section 14 in the report was calculated theoretically, while the results are not always consistent with Certification for Safe Transport of Chemical Goods from the officially authorized agencies. Please consult the officially authorized agencies for the accurate transport information.

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