

Safety Data Sheet
According to Hazard Communication Standard (29 CFR 1910.1200)

Pencil lead

Issue date: 01/06/2020

Version 1.0

Revision date: 01/06/2020

1. Product and Company Identification

Material name Pencil lead
CAS # See section 3
Product code -
Product use Used as Pencil leads.
Manufacturer/Supplier
Supplier(Manufacturer): COS - Complete Office Supplies
Address: 25, NYRANG STREET, LIDCOMBE,NSW, AUSTRALIA, 2141
Contact person(E-mail): category@cos.net.au
Telephone: 1300-88-22-44
Fax: 1300-73-88-20

Emergency telephone Number:

2. Hazards identification

GHS classification

Physical hazards Not classified
Health hazards Not classified
Environmental hazards Not classified

GHS label elements

Hazard Pictograms No hazard pictogram is used.
Signal word No signal word is used.
Hazard statement Not applicable.

Precautionary statement

Prevention Not applicable.
Response Not applicable.
Storage Not applicable.
Disposal Not applicable.

3. Composition / Information on Ingredients

Components	CAS#	Percent
Graphite	7782-42-5	70%
clay	1332-58-7	25%
tallow	61789-97-7	5%

4. First Aid Measures

First aid procedures

Eye contact Rinse with plenty of water.
Skin contact Wash skin with water and soap after work.
Inhalation After inhalation of greater quantities of dust, take affected person to fresh air.
Ingestion Drink water.

Notes to physician Treat symptoms.

5. Fire Fighting Measure

Flammable properties	This product is non-flammable.
Extinguishing media	
Suitable extinguishing media	Foam, carbon dioxide, dry powder, water spray jet.
Unsuitable extinguishing media	Direct water spray jet.
Firefighting equipment/instructions	Use self-contained breathing apparatus and protective clothing to avoid exposure to hydrogen chloride and other fumes.
Hazardous combustion products	During glowing and in case of fire carbon monoxide/carbon dioxide is generated.

6. Accidental Release Measures

Personal precautions	Use personal protective equipment. Avoid breathing dust. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. For personal protection see section 8.
Environmental precautions	Avoid disposing into drainage/sewer system or directly into the aquatic environment.
Methods for cleaning up	Remove mechanically.

7. Handling and Storage

Handling	Ensure good ventilation/exhaustion at the workplace. Avoid contact with skin and eyes. Avoid inhalation of dust. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2.2.
Storage	Store in a cool, dry, well-ventilated area away from incompatible substances.

8. Exposure Controls / Personal Protection

Control parameters:

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA:

Source	Ingredient	TWA	STEL	Peak
US OSHA Permissible Exposure Levels (PELs) - Table Z1	Graphite	Not Available	Not Available	Not Available
US OSHA Permissible Exposure Levels (PELs) - Table Z3	Graphite	15 mppcf	Not Available	Not Available
US ACGIH Threshold Limit Values (TLV)	Graphite	2 mg/m3	Not Available	Not Available
US NIOSH Recommended Exposure Limits (RELs)	Graphite	2.5 (resp) mg/m3	Not Available	Not Available
US NIOSH Recommended Exposure Limits (RELs)	clay	15 mg/m3 / 5 mg/m3	Not Available	Not Available
US OSHA Permissible Exposure Levels (PELs)	clay	0.1 f/cc / 20 mppcf	Not Available	Not Available

- Table Z3				
US ACGIH Threshold Limit Values (TLV)	clay	2 mg/m3	Not Available	Not Available
US NIOSH Recommended Exposure Limits (RELs)	clay	10 (total), 5 (resp) mg/m3	Not Available	Not Available

EMERGENCY LIMITS:

Ingredient	TEEL-1	TEEL-2	TEEL-3
Graphite	2 mg/m3	2 mg/m3	95 mg/m3
clay	2 mg/m3	2 mg/m3	4.6 mg/m3

Ingredient	Original IDLH	Revised IDLH
Graphite	N.E. mg/m3 / N.E. ppm	1,250 mg/m3
clay	Not Available	Not Available
tallow	Not Available	Not Available

Exposure controls:

Appropriate engineering controls: Use in a well-ventilated area.

Individual protection measures, such as personal protective equipment:

- Eye / face protection** Safety glasses, if dust occurs.
- Skin protection** Wear appropriate protective gloves and clothing.
- Respiratory protection** Dust protective mask (P1) if dust occurs.
- General hygiene considerations** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing.

9. Physical & Chemical Properties

Appearance

- Physical state** Solid
- Form** Solid
- Color** Black
- Odor** Odorless
- Odor threshold** Not available
- pH** Not available
- Vapor pressure** Not available
- Vapor density** Not available
- Boiling point** Not available
- Melting point/Freezing point** > 600 °C (CAS#7782-42-5)
- Solubility (water)** < 0.45 mg/L(20 °C) (CAS#7782-42-5)
- Specific gravity** Not available
- Relative density** Not available
- Density** 2.2136 g/cm³(25 °C) (CAS#7782-42-5)
- Flash point** Not available
- Flammability limits in air, upper, %by volume** Not available

Flammability limits in air, lower, % by volume Not available

Auto-ignition temperature Not available

VOC Not available

Percent volatile Not available

Other data

Viscosity Not available

10. Chemical Stability & Reactivity Information

Chemical stability Material is stable under normal conditions.

Conditions to avoid Incompatible materials.

Incompatible materials Not available.

Hazardous decomposition products Carbon monoxide/carbon dioxide.

Possibility of hazardous reactions No dangerous reactions known.

11. Toxicological Information

Toxicokinetics, metabolism and distribution:

Non-human toxicological data: Not available

Information on toxicological effects:

Acute toxicity:

Graphite (CAS#7782-42-5)

LD50(Oral, Rat): > 2000 mg/kg bw

LD50(Dermal, Rabbit): Not available

LC50(Inhalation, Rat): > 2000 mg/m³ air 4h

Skin corrosion/Irritation: Non irritating.

Serious eye damage/irritation: Non irritating.

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified.

STOT- single exposure: Not classified

STOT-repeated exposure: Not classified

Aspiration hazard: Not classified

12. Ecological Information

Toxicity:

Graphite (CAS#7782-42-5)

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	> 100 mg/L	96h	Fish	OECD 203	N/A	N/A
EC50	> 100 mg/L	48h	Daphnia	OECD 202	N/A	N/A
EC50	> 100 mg/L	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability: Not available.

Bioaccumulative potential: Not available.

Mobility in soil: Not available.

Results of PBT&vPvB assessment: Not available.

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Other adverse effects: No known significant effects or critical hazards.

13. Disposal Considerations

Disposal instructions Dispose of contents/container in accordance with local/regional/national/international regulations.

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

DOT

Basic shipping requirements:

UN number Not regulated
Proper shipping name Not regulated
Hazard class Not regulated
Packing group Not regulated
Environmental hazards No

IATA

UN number Not regulated
UN proper shipping name Not regulated
Transport hazard class(es) Not regulated
Packing group Not regulated

IMDG

UN number Not regulated
UN proper shipping name Not regulated
Transport hazard class(es) Not regulated
Packing group Not regulated
Environmental hazards No

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

Graphite (7782-42-5) is found on the following regulatory lists	"US - Idaho - Limits for Air Contaminants" List. US- Hawaii Air Contaminant Limits" List. "US - Wyoming Toxic and Hazardous Substances Table Z-3 Mineral Dusts" List. "US - Alaska Limits for Air Contaminants" List. "US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants" List. "US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory" List.
kaolin(1332-58-7) is found on the following regulatory lists	US - Idaho - Limits for Air Contaminants". "US - Hawaii Air Contaminant Limits". "US - Wyoming Toxic and Hazardous Substances Table Z-3 Mineral Dusts". "US - Alaska Limits for Air Contaminants". "US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory". "US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants".
tallow(61789-97-7) is found on the following	"US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory".

16. Other Information

HMIS® ratings

Health: 0
Flammability: 1
Physical hazard: 0

NFPA ratings

Health: 0
Flammability: 1
Instability: 0

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.

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