

# Safety Data Sheet

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Revision Date: -

## 1. Identification of the mixture and of the company

Product name : Pencil lead for Longer Cadoozles Classic(C-MAB13-CN)  
Pencil lead for Longer Cadoozles 1st ver.(C-MAB14-CN)

Company : ZEBRA CO., LTD.  
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This phone number is available only during office hours: 9 a.m. to half past 5 p.m.  
(Japan time)

Product use : Pencil lead for writing implement

## 2. Hazards identification

### GHS classification

#### Physical hazards

Self-heating mixtures Not classified  
Corrosive to metals Not classified

#### Health hazards

Acute toxicity-Oral Classification not possible  
Acute toxicity-Dermal Classification not possible  
Acute toxicity-Inhalation:mist Classification not possible  
Skin corrosion / irritation Not classified  
Serious eye damage / eye irritation Not classified  
Respiratory or skin sensitization Classification not possible / Not classified  
Germ cell mutagenicity Classification not possible  
Carcinogenicity Classification not possible  
Reproductive toxicity Classification not possible  
Specific target organ toxicity (Single exposure) Classification not possible  
Specific target organ toxicity(Repeated exposure) Classification not possible  
Aspiration hazard Classification not possible

#### Environmental hazards

Hazardous to the aquatic environment(acute) Classification not possible  
Hazardous to the aquatic environment(chronic) Classification not possible

### GHS label elements

#### Pictograms or Symbol

No pictogram

#### Signal Word

No signal word

#### Hazard statement

No hazard statement

**Precautionary Statements****Prevention**

- Read label and Material Safety Data Sheet before use.
- Wear protective gloves/eye protection.
- Wash hand thoroughly after handling
- Avoid release to the environment

**Response**

Nothing in particular.

**Storage**

- Store in a well ventilated place. Keep cool and container tightly closed.

**Disposal**

- Dispose of contents/container to in accordance with local government regulation.

**3. Composition/information on ingredients****Mixture****Component and Amount**

Component	Amount	CAS No.	Reference Number in Gazetted List in Japan (Japanese Chemical Substances Control Act)
Graphite	45-55%	7782-42-5	Not subject to the regulation
Polyvinyl Alcohol	10-20%	9002-89-5	6-682
Additives	25-45%	Nondisclosure	Nondisclosure(registered)

**4. First-aid measures****After inhalation:**

Call a doctor/physician if you feel unwell.

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**After skin contact:**

Call a doctor/physician if you feel unwell.

If skin irritation occurs: Get medical advice/attention

**After eye contact:**

IF IN EYES: Rinse continuously with water for several minutes.

Remove contact lenses if present and easy to do . Continue rinsing

If eye irritation persists : Get medical advice/attention

**After ingestion:**

Call a doctor/physician if you feel unwell.

**Protection of the person who takes first aid**

Nothing in particular.

**5. Fire-fighting measures****Suitable Extinguishing media**

Carbon dioxide, dry chemical powder, water fog, foam

**Prohibition extinguishing media for safety reason**

Water spray (straight)

**Specific hazards**

This product is not combustible. But evaporated residue is combustible.

May produce toxic fumes if burning.

**Specific fire fighting procedures**

If safe to do so, move undamaged containers from the fire area.

If can't move the container, cool containers and surrounding with spray water.

Cool containers with large quantities of water until well after extinguished the fire.

**Special protective equipment for fire-fighters**

Fire-fighting should be performed from the windward side.

Respiratory protection, and other suitable protective equipment

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**6. Accidental release measures****Personal precautions**

The pollution area should be established as off limits without concerned persons.

**Protective equipment and emergency measure**

Do not touch the leakage or its damaged container without suitable protection.

Do not walk through the leakage.

Keep sufficient ventilation if the area is indoor.

Remove ignition sources.

**Environmental precautions**

Keep away from drains, and prevent from releasing to the environment.

**Methods for cleaning up**

Use non-flammable absorbent materials, and put them in airtight container.

Dispose of absorbent in accordance with law.

**Prevention of secondary disaster**

Remove nearby ignition source and hot surface.

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**7. Handling and storage****Handling****Technical measures**

Do suitable equipment measures and use suitable protection that refer to "8. Exposure control/ personal protection".

**Local exhaust ventilation and general ventilation**

Use local exhaust ventilation and general ventilation that refer to

"8. Exposure control/ personal protection".

**Caution**

When handling do not use high temperature articles, spark and fire.

Handle container with care, do not make it turn over, drop, give impact and drag.

Do not breathe, contact and swallow.

Maintain air concentrations below exposure limit using exhaust ventilation.

Do not eat, drink or smoke when using this product.

Wash hand thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Avoid release to the environment.

**Avoid contact**

Refer to section 10 about stability and reactivity.

**Storage****Incompatible materials**

Refer to section 10 about stability and reactivity.

**Storage condition**

Store away from heat/sparks/open flames – No smoking

Store in a well ventilated place. Keep cool and container tightly closed.

Store locked up.

### The Containers

Use the container that our company filled up when ship products

## 8. Exposure control/ personal protection

### Exposure limit values

Chemical name	Permissible concentration		Administrative levels
		The Japan Society for Occupational Health	ACGIH TLV-TWA
Nothing in particular			

### Equipment measures

Put up local exhaust ventilation. Use explosion-proof electrical/ventilating/lighting.

Take precautionary measures against static discharge.

Put up emergency eyewash and shower in case of storage or handling about this product.

### Protection

#### Respiratory protection

If necessary use suitable respiratory protection.

#### Hand protection

Use suitable protective gloves.

#### Eye protection

Use suitable eye protection.

#### Skin/body protection

If necessary use suitable face protection.

#### Hygiene measures

Do not eat, drink or smoke when using this product.

Wash thoroughly after handling.

## 9. Physical and chemical properties

Appearance	Black Solid
Odour	Odorless
pH	No data available
Melting point / Coagulating point	No data available
Boiling point	No data available
Flash point	No data available
Explosive limit UEL	No data available
Explosive limit LEL	No data available
Vapour pressure	No data available
Vapour density	No data available
Specific gravity	No data available
Water solubility	No data available
Partition coefficient n-octanol/water	No data available
Ignition point	No data available
Decomposition point	No data available

## 10. Stability and reactivity

### Chemical stability

This product is stable in normal condition.

<b>Materials to Avoid</b>	Highly reactive with oxidizing agents
<b>Conditions to avoid</b>	Excess heat, incompatible materials
<b>Incompatible materials</b>	Highly reactive with oxidizing agents
<b>Hazardous decomposition products</b>	Carbon monoxide, Carbon dioxide

**11. Toxicological information**

<b>Acute toxicity–Oral</b>	Classification not possible
<b>Acute toxicity–Dermal</b>	Classification not possible
<b>Acute toxicity–Inhalation:mist</b>	Classification not possible
<b>Skin corrosion / irritation</b>	Not classified
<b>Serious eye damage / eye irritation</b>	Not classified
<b>Respiratory or skin sensitization</b>	Classification not possible/Not classified
<b>Germ cell mutagenicity</b>	Classification not possible
<b>Carcinogenicity</b>	Classification not possible
<b>Reproductive toxicity</b>	Classification not possible
<b>Specific target organ toxicity(Singel exposure)</b>	Classification not possible
<b>Specific target organ toxicity(Repeated exposure)</b>	Classification not possible
<b>Aspiration hazard</b>	Classification not possible

**12. Ecological information**

<b>Hazardous to the aquatic environment(acute)</b>	Classification not possible
<b>Hazardous to the aquatic environment(chronic)</b>	Classification not possible
<b>Degradability</b>	No data is available
<b>Bioaccumulative potential</b>	No data is available
<b>Mobility in soil</b>	No data is available

**13. Disposal considerations**

<b>Waste residues</b>	Disposal must be made according to official regulations. Avoid release to the environment.
<b>Contaminated container and packaging</b>	Do not flush into the sewer. Remove all contents when you dispose of empty containers.

**14. Transport information**

The contents are as follows when transport only lead

**International regulation****IMDG(maritime transport)**

UN No.	Not applicable
Class	–
Packing Group	–
Marine Pollutant	–

**ICAO/IATA(air transport)**

UN No.	Not applicable
Class	–
Packing Group	–

**Special precautions**

Prevent from falling, stumbling and doing damage when the container loading..

Avoid acute vibration and friction for container.

If there are some indications of hazard in transporting like acute leak in transporting, take emergency measures and report the accident at once to disaster management agency.

Avoid transport with foods or feeds.

Above regulations are applied to transport of writing instruments filled with the lead

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**15. Regulatory information(Japan)****Industrial Safety and Health Act**

**Article 57-2 paragraph (1) "notifiable substances"**

Not applicable

**Order for Enforcement Article 1, 6, 9-3 Appended Table 1 item(IV)**

**dangerous substances ·inflammable substances**

Not applicable

**Poisonous and Deleterious Substances Control Law**

**Article 2 Appended Table 1 and 2**

Not applicable

**Act on confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management There of**

**Article 2 Class I , II Designated Chemical Substances**

Not applicable

**Fire Service Law**

**Article 2 paragraph (7) hazardous material Appended Table 1**

Not applicable

**Ship Safety Act**

**Regulations for the carriage and storage of dangerous goods in ship Article 2, 3**

**dangerous goods public notice Appended Table 1**

Not applicable

**Civil Aviation Law**

**Ordinance for Enforcement Article 194 dangerous goods public notice Appended Table 1**

Not applicable

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**16. Other information**

In this sheet, the contents of ingredients and the value of physical and chemical properties are not guaranteed performance.

The information contained in this sheet is based on the data available at now.

But this shall not constitute a guarantee for any specific or classification.

Please be alert to handling this product because chemicals shall have unknown hazards.

This sheet may be revised when we get new information.

The information is assumed in the case of large-scale handling on business operations.

They cannot be always applicable to general use of writing instruments.

**Reference**

Globally Harmonized System of Classification and Labelling of Chemicals (GHS) second revised edition 2007

Recommendation of Occupational Exposure Limits(2009-2010) by The Japan Society for Occupational Health

2009 TLVs and BEIs by ACGIH