

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date: September 7, 2016

Reviewed on: September 7, 2016

Trade Name: EZ960

1 Identification**Product Identifier:****Trade Name:** EZ960**Relevant identified uses of the substance or mixture and uses advised against:**

EZ960 can be pinched, rolled, sculpted, cut or manipulated. Then fire binder burns away, leaving a solid, pure sterling silver object. It can be used to create jewelry, jewelry components, or custom-crafted specialized tools.

Product Description

A metal clay with sterling silver particles in a non-toxic binder that, once fired creates a piece of sterling silver.

Details of the supplier of the safety data sheet:**Manufacturer/Supplier:**

Cool Tools

945 N Parkway Street

Jefferson, WI 53549

Phone: 262-473-9900

Website: www.CoolTools.us**2 Hazard(s) identification****Classification of the substance or mixture**

Not a hazardous substance or mixture

GHS Label elements, including precautionary statements

Not a hazardous substance or mixture

Hazards not otherwise classified (HNOC) or not covered by GHS

None

3 Composition/information on Ingredients**Composition:**

Sterling silver alloy powder (96% silver, CAS 7440-22-4, EC Number 231-131-3 with 4% copper, CAS 7440-50-8, EC Number 231-159-6) 92% by weight.

Water, methyl cellulose and other non-hazardous materials, 8% by weight.

4 First Aid Measures**After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:** Generally the product does not irritate the skin.**After eye contact:** Rinse opened eye for several minutes under running water.**After swallowing:** If swallowed and symptoms occur, consult a doctor.**Information for doctor:****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**Extinguishing media:****Suitable extinguishing agents:**CO₂, extinguishing powder or water spray.

Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture:

No further relevant information available.

Advice for firefighters:**Protective equipment:**

A7R

Safety Data Sheet (SDS)

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As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

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

Not required.

Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Dispose of the collected material according to regulations.

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.

7 Handling and storage**Handling****Precautions for safe handling:**

No special precautions are necessary if used correctly.

Information about protection against explosions and fires:

No special measures required.

Conditions for safe storage, including any incompatibilities:**Storage****Requirements to be met by storerooms and receptacles:** No special requirements.**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:** None.**Specific end use(s):** No further relevant information available.**8 Exposure controls/personal protection****Components with workplace control parameters**

Component	CAS No.	Value	ControlParameters	Basis
Silver	7440-22-4	PEL	0.01 mg/m3	OSHA Permissible Exposure Limit Table Z-1
		REL	0.01 mg/m3	NIOSH Recommended Exposure Limit
		TWA	0.1 mg/m3	USA. ACGIH Threshold Limit Value (TLV)
Copper	7440-50-8	PEL	1 mg/m3 (dust or mist)	OSHA Permissible Exposure Limit Table Z-1
		PEL	0.1 mg/m3 (fume)	OSHA Permissible Exposure Limit Table Z-1
		REL	1 mg/m3 (dust or mist)	NIOSH Recommended Exposure Limit
		REL	0.1 mg/m3 (fume)	NIOSH Recommended Exposure Limit
		TWA	0.2 mg/m3 (fume)	USA. ACGIH Threshold Limit Value (TLV)

Exposure controls:**Personal protective equipment:****General protective and hygienic measures:**

Wash hands before breaks and at the end of work.

Breathing equipment: Not required.

AIR

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Protection of hands: Not required.
Material of gloves: Not required.
Penetration time of glove material: Not applicable.
Eye protection: Not required.

9 Physical and chemical properties**Information on basic physical and chemical properties General Information****Appearance:****Form:** Semi-soft clay**Color:** Off white**Odor:** Odorless**Odor threshold:** Not applicable**pH-value:** 6-8**Change in condition****Melting point/Melting range:** Not determined**Boiling Point/Boiling range:** 100-105°C**Flash point:** Not applicable**Flammability (solid, gaseous):** Not determined**Ignition temperature:****Decomposition temperature:** Not determined**Auto igniting:** Product is not self-igniting**Danger of explosion:** Product does not present an explosion hazard**Explosion limits:****Lower:** 0.0 Vol%**Upper:** 0.0 Vol %**Vapor pressure @ 20 °C (68 °F):** 23 hPa (17 mm Hg)**Density:****Relative density:** 6-8 gm/cc**Vapor density:** Not applicable**Evaporation rate:** Not applicable**Solubility in /Miscibility with:****Water:** Insoluble**Partition coefficient (n-octanol/water):** Not determined**Viscosity****Dynamic:** Not applicable**Kinematic:** Not applicable**Solvent content:****Organic solvents:** 0.6 Weight %**Other information:** No further relevant information available.**10 Stability and reactivity****Reactivity:** No further relevant information available.**Chemical stability:** Stable under normal conditions.**Thermal decomposition / conditions to be avoided**

No decomposition when used according to specifications

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.

A7R

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11 Toxicological information:**Information on toxicological effects:****Acute toxicity:****Primary irritant effect:****On the skin:** No irritating effect.**On the eye:** No irritating effect.**Additional toxicological information:****Carcinogenic categories:****IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

NTP (National Toxicology Program):

None of the ingredients are listed.

OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

12 Ecological information**Toxicity:** No data available**Persistence and degradability:** No data available**Bioaccumulative potential:** No data available**Mobility in soil:** No data available**Results of PBT and vPvB assessment:**

PBT/vPvB not available as chemical safety assessment not required/not conducted.

Other adverse effects: No data available**13 Disposal considerations****Waste treatment methods**

Surplus materials may have reclaim value. Dispose of unsalvageable material in accordance with applicable Federal, State/Provincial, and Local regulations. Subject to federal disposal regulations: US EPA 40 CFR 262

14 Transport information**UN Number:**

DOT, ADR, ADN, IMDG, IATA Non-Regulated Material

UN proper shipping name:

DOT, ADR, ADN, IMDG, IATA Non-Regulated Material

Transport hazard class(es):

DOT, ADR, ADN, IMDG, IATA

Class: Non-Regulated Material

Packing group:

DOT, ADR, IMDG, IATA Non-Regulated Material

Environmental hazards: Not applicable**Special precautions for user:** Not applicable**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.**UN "Model Regulation":** Non-Regulated Material**15 Regulatory information****Safety, health and environmental regulations/legislation specific for the substance or mixture:****SARA (Superfund Amendments and Reauthorization):****Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

Section 313 (Specific toxic chemical listings):

Silver and copper are subject to reporting requirements

A7R

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TSCA (Toxic Substances Control Act):

All ingredients are listed.

California Proposition 65:**Chemicals known to cause cancer:**

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

Carcinogenic categories:**EPA (Environmental Protection Agency):**

None of the ingredients are listed.

TLV (Threshold Limit Value established by ACGIH):

None of the ingredients are listed.

NIOSH-Ca (National Institute for Occupational Safety and Health):

None of the ingredients are listed.

GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms: Non-Regulated Material**Signal word:** Non-Regulated Material**Hazard statements:** Non-Regulated Material**Precautionary statements:**

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

State Right to KnowSilver: CAS No. 7440-22-4 ($\leq 96\%$)Copper: CAS No. 7440-50-8 ($\leq 4\%$)Water: CAS No. 7732-18-5 ($\leq 7\%$)Methyl Cellulose: CAS No. 9004-67-5 ($\leq 1\%$)Trade secrets: FDA GRAS list components ($\leq 0.4\%$ each)**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**16 Other information****NFPA Rating**

Health hazard: 0

Fire Hazard: 0

Reactivity Hazard: 0

HMIS Rating

Health hazard: 0

Flammability: 0

Physical Hazard 0

Abbreviations and acronyms:**ADR:**

The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN:

The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG:

International Maritime Code for Dangerous Goods

DOT:

A7R

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US Department of Transportation

IATA:

International Air Transport Association

ACGIH:

American Conference of Governmental Industrial Hygienists

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)

NFPA:

National Fire Protection Association (USA)

HMIS:

Hazardous Materials Identification System (USA)

PBT:

Persistent, Bioaccumulative and Toxic

vPvB:

very Persistent and very Bioaccumulative

FDA:

US Food and Drug Administration

GRAS:

Generally Recognized as Safe for addition to foods and pharmaceuticals

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

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Owner

Cool Tools / cooltools.us

262-473-9900

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