

SAFETY DATA SHEET

Product Name: Thermal Hero METALLIQ (1g) Liquid Metal Compound for Extreme Applications CPU Cooling Extreme Overclocking Game Consoles Xbox PS4 PS5, Including Set

Revision number: 003 Date: 19 May 2026

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifier

Trade Name METALLIQ (1g) Liquid Metal Compound for Extreme Applications CPU Cooling Extreme Overclocking Game Consoles Xbox PS4 PS5, Including Set

ASIN: B0DKSN5H4K

SKU: TH-108001-US

Brand: Thermal Hero

Manufacturer: IPROJEX GmbH

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Thermal compound application.

Uses advised against: All other uses.

1.3 Details of the supplier of the Safety Data Sheet

IPROJEX GmbH.

Osterbrooksweg 71 22869 Schenefeld,
Germany

Phone: +49 40 1800 3910

E-mail: support@thermalhero.com

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to OSHA Hazardous Communication Standard 29 CFR 1910.1200.

Metal corrosive, category 1

2.2 Label elements

Labelling according to OSHA Hazardous Communication Standard 29 CFR 1910.1200:



Hazard pictogram:

GHS05 – Corrosion

Signal word:

Warning

Hazard statements:

H290

May be corrosive to metals.

Precautionary statements:

P102 – Keep out of reach of children.

P234 – Keep only in original packaging.



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P280 – Wear protective gloves / eye protection.
P390 – Absorb spillage to prevent material damage.
P406 – Store in a corrosion-resistant container with a resistant inner liner.

2.3 Other hazards

None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture meeting the criteria for classification in accordance with OSHA Hazardous Communication Standard 29 CFR 1910.1200.

Ingredients:

Name	CAS No.	GHS classification	% (w/v)
Gallium	7440-55-3	Met. Corr. 1, H290	Proprietary
Indium	7440-74-6	Not classified.	Proprietary
Tin	7440-31-5	Not classified.	Proprietary

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

- Following inhalation:** Remove to fresh air, keep warm and quiet, give oxygen if breathing is difficult. Seek immediate medical attention.
- Following skin contact:** Remove contaminated clothing, brush material off skin, wash affected area with soap and water. Seek medical attention if irritation develops or persists.
- Following eye contact:** Flush eyes with lukewarm water, including under upper and lower eyelids, for at least 15 minutes. Seek medical attention if irritation develops or persists.
- Following ingestion:** Rinse mouth with water. Do not induce vomiting. Seek medical advice if symptoms occur or if large amounts have been swallowed. Show this Safety Data Sheet or product label to the physician.
- Protection of first aider:** Not applicable.

4.2 Most important symptoms and effects

Symptoms: Contact with skin or eyes may cause mild mechanical irritation. Further relevant hazards are described in Section 2.2.

Risks: No additional acute or delayed effects are known when the product is used as intended.

4.3 Indication of any immediate medical and special treatment



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The physician may contact the national poison centre for advice.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Dry chemical, CO₂, water spray or alcohol-resistant foam.

Unsuitable extinguishing media: No data available.

5.2 Specific hazards arising from mixture

If gases/oxides form, use protective equipment/breathing apparatus.

5.3 Advice for fire fighters

Special protective equipment for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.

5.4 Other information

No other information available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 NOTES FOR NON-EMERGENCY PERSONNEL: Use personal protective equipment as required. Avoid contact with skin, eyes and clothes. Do not breathe vapour/spray. Keep away from ignition sources where applicable.

6.2 ENVIRONMENTAL PRECAUTIONS: Prevent entry into drains, surface water and groundwater. Avoid uncontrolled release into the environment.

Notes for those trained to participate in an emergency:

6.3 ACCIDENTAL RELEASE MEASURES: Covering of drains. Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Use only as intended. Avoid contact with skin, eyes and clothing. Avoid spillage. Avoid contact with incompatible materials, especially aluminum and exposed electrical components. Keep the syringe/container tightly closed when not in use. Wash hands thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions: Avoid high temperatures at the storage location. Not in glass containers, as with solidifying the liquid has an enlargement of the volume of around approx. 0.3%, which may cause an inner pressure within the glass. Plastics such as PE and PP are suitable container materials..



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Incompatible materials: See section 10.

7.3 Specific end uses

See section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No data available.

8.2 Exposure controls

Engineering controls:

None under normal use conditions. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protective equipment:

Hand: Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374.

Body protection: Appropriate protective clothing should be worn to prevent skin contact.

Eye: Use safety goggles with side protection.

Respiratory: P3 respiratory protection in an emergency producing oxide fumes.

Other measures: No statement available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid metal alloy
Color:	Silver
Odor:	Odorless
Odor threshold:	No data available
pH:	No data available
Melting point/range:	>10 °C
Boiling point/range:	>1300 °C
Flash point:	Not applicable / not relevant for an inorganic metal alloy.
Flammability:	Not classified as flammable.
Upper/lower flammability or explosive limits:	No data available
ELECTRICALLY CONDUCTIVE:	Yes
Density:	6.4g/cm ³
Metal Corrosive:	Yes
Explosive properties:	Not explosive.
Oxidizing properties:	Not oxidizing.



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SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

The product amalgamates with metals on the surface like copper, tin, lead, zinc, gold and silver jewelry, particularly also with light metals on the surface, especially if these are free of oxides. If necessary, the product has to be tested for reactions to materials and chemical substances for a specific application.

10.2 Chemical stability

Stable under ambient conditions.

10.3 Possibility of hazardous reactions

None.

10.4 Conditions to avoid

Avoid contact with aluminum. Avoid uncontrolled contact with incompatible chemicals.

10.5 Incompatible materials

Aluminum, strong oxidizing agents, halogens, hydrogen peroxide, hydrochloric acid, chlorine and bromine.

10.6 Hazardous decomposition products

None known under normal conditions of use and storage.

SECTION 11: TOXICOLOGICAL INFORMATION

General information:

This product does not contain known human carcinogens.

11.1 Information on toxicological effects

Acute Toxicity:

The metal alloy has not been tested, the single components of the alloy are below the limits of acute toxicity even if a full resorption is assumed.

Skin corrosion/irritation:

With frequent skin contact skin defatting is possible.

Serious eye damage/irritation:

Splashes in the eyes may cause irritations.

Respiratory or skin sensitization:

No statements available for any of the ingredients.



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Germ cell mutagenicity:

No statements available for any of the ingredients.

Carcinogenicity:

This product does not contain known human carcinogens.

Reproductive toxicity:

No statements available for any of the ingredients.

STOT – single exposure:

No statements available for any of the ingredients.

STOT – repeated exposure:

No statements available for any of the ingredients.

Aspiration hazard:

No statements available for any of the ingredients.

Likely route(s) of exposure:

Skin exposure and eye exposure are the most likely to occur. Accidental ingestion is also possible.

SECTION 12: ECOLOGICAL INFORMATION

General information:

No statements available for any of the ingredients

12.1 Toxicity

No statements available for any of the ingredients.

12.2 Persistence and degradability

Physical- and photochemical elimination:

No statements available for any of the ingredients.

Biodegradation:

No statements available for any of the ingredients.

12.3 Bioaccumulative potential

No statements available for any of the ingredients.

12.4 Mobility in soil

Known/Predicted environmental distribution:

No statements available for any of the ingredients.

Surface tension:

No statements available for any of the ingredients.

Adsorption/Desorption:

No statements available for any of the ingredients.



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12.5 Results of PBT and vPvB assessment

This product does not contain components which are considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

No statements available for any of the ingredients.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product:

Dispose of contents/container in accordance with applicable federal, state and local regulations. Waste generators must determine whether the discarded product is classified as hazardous waste under applicable U.S. EPA and state regulations.

Packaging:

Empty containers may contain product residues. Dispose of packaging in accordance with applicable regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

DOT: Not regulated as dangerous goods
IMDG: Not regulated as dangerous goods
IATA: Not regulated as dangerous goods
ADR/RID: Not regulated as dangerous goods

14.2 UN proper shipping name

DOT: Not regulated as dangerous goods
IMDG: Not regulated as dangerous goods
IATA: Not regulated as dangerous goods
ADR/RID: Not regulated as dangerous goods

14.3 Transport hazard class(es)

DOT: Not regulated
IMDG: Not regulated
IATA: Not regulated
ADR/RID: Not regulated

14.4 Packing group

DOT: Not regulated
IMDG: Not regulated
IATA: Not regulated
ADR/RID: Not regulated

14.5 Environmental hazards

Not classified as environmentally hazardous for transport.



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14.6 Special precautions for user

Keep container tightly closed. Transport only in the original sealed retail packaging. Avoid damage to the syringe or primary container. Do not allow product to contact aluminum surfaces or exposed electrical components.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable. Product is not transported in bulk.

Additional transport information:

Based on the available product classification data and the product as supplied in sealed small retail syringes, this product is not regulated as a dangerous good for transport under U.S. DOT, IMDG Code, IATA-DGR, ADR or RID regulations.

The product is classified under OSHA HazCom / GHS as corrosive to metals, Category 1 (H290). This classification refers to the potential corrosive effect on certain metals, especially aluminum, under use conditions. This classification does not automatically result in a dangerous goods transport classification.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations specific for the product

International Inventories

TSCA: Complies

DSL: All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List.

US Federal Regulations

SARA 313: This product does not contain any chemicals subject to the reporting requirements of SARA Title III, Section 313 and 40 CFR Part 372.

SARA 311/312 Hazard Categories

Acute health hazard: No

Chronic health hazard: No

Fire hazard: No

Sudden release of pressure hazard: No

Reactive hazard: No

Corrosive to metals: Yes

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this



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material.

U.S. State Regulations

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Canada

WHMIS Hazard Class

Not determined.

SECTION 16: OTHER INFORMATION

Revision information:

Revision 003 – 19 May 2026:

Updated hazard identification, first aid information, accidental release measures, handling and storage, physical and chemical properties, transport information and U.S. regulatory information.

Full text of hazard statements:

H290 – May be corrosive to metals.

Disclaimer:

The information presented in this Safety Data Sheet is accurate to the best of our knowledge at the date of publication. The information is intended solely as guidance for safe handling, use, processing, storage, transport and disposal. It is not a warranty or quality specification.