

Report No.: 212607140139

Date:

July 23, 2026

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Applicant Name : SHENZHEN HUAXINER SEMICONDUCTOR CO., LTD.

Applicant Address : SHENZHEN BAO'AN DISTRICT BAOYUAN ROAD, CENTRAL AVENUE,
TOWER A, 8D

Product Name : mosl

Received Date : July 21, 2026

Compilation Period : July 21, 2026 to July 23, 2026

Regulatory Requirements : As requested by the applicant, the Safety Data Sheet is prepared according to
Globally Harmonized System of Classification and Labelling of Chemicals GHS
Rev.11 (2025) .



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SECTION 1. Identification of the substance/preparation and company

1.1 Product Identification : mosl
1.2 Model No. : /
1.3 Recommended Use : /
1.4 Manufacturer Name : SHENZHEN HUAXINER SEMICONDUCTOR CO., LTD.
1.5 Manufacturer Address : SHENZHEN BAO'AN DISTRICT BAOYUAN ROAD, CENTRAL AVENUE, TOWER A, 8D
1.6 Manufacturer Tel : 0755-29988706
1.7 Manufacturer Fax : /
1.8 Manufacturer Email : /
1.9 Emergency Phone : 0755-29988706

SECTION 2. Hazards identifications**2.1 Hazard Class:**

According to Globally Harmonized System of Classification and Labelling of Chemicals (GHS) (part 2~4), classification of risk categories.

This product is not hazardous

2.2 Pictograms:

None

2.3 Signal word:

None

2.4 Hazard description:

None

2.5 Precautionary description:

None

2.6 Other hazard

PBT and vPvB: None



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SECTION 3. Composition / information on ingredients

Ingredient(s) of the product: mixture

Ingredient name	Content	CAS. No
Metal components		
Copper (Cu)	99.96	7440-50-8
Antimony (Sb)	< 0.001	7440-36-0
Nickel (Ni)	< 0.001	7440-02-0
Bismuth (Bi)	< 0.001	7440-69-9
Tin (Sn)	0.02	7440-31-5
Arsenic (As)	< 0.001	7440-38-2
Lead (Pb)	< 0.001	7439-92-1
Iron (Fe)	0.0048	7439-89-6
Zinc (Zn)	< 0.001	7440-66-6
Phosphorus (P)	< 0.001	7723-14-0
Manganese (Mn)	< 0.001	7439-96-5
Silicon (Si)	< 0.001	7440-21-3
Magnesium (Mg)	< 0.001	7439-95-4
Chromium (Cr)	< 0.001	7440-47-3
Tellurium (Te)	< 0.001	7782-99-6
Arsenic (As)	< 0.001	7440-38-2
Cadmium (Cd)	< 0.001	7440-43-9
Cobalt (Co)	< 0.001	7440-48-4
Silver (Ag)	< 0.001	7440-22-4
Aluminum (Al)	< 0.001	7429-90-5
Non-metallic components		
Phenolic Resin	8.2	9003-35-4
Carbon	0.1	7440-44-0
Silicon Dioxide	91.5	7631-86-9
Aluminum Oxide	0.2	1344-28-1



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SECTION 4. First aid measures

General advice: Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.

4.1 Following inhalation:

No inhalation hazard.

4.2 Following skin contact:

No skin hazard.

4.3 Following eye contact:

No eye hazard.

4.4 Following ingestion:

If it is ingested, drink enough water or milk, vomite. Seek medical attention.

SECTION 5. Firefighting measures

5.1 Hazardous Characteristics:

None

5.2 Extinguishing Media:

Dry powder, Chemical foam, Carbon dioxide, water mist.

5.3 Firefighting procedures:

As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.

5.4 Hazardous combustion products:

None

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Wear appropriate protective measures (SEE SECTION 8).

6.2 Environmental precautions:

None



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6.3 Cleaning method:

Remove by physical method. Adhered or collected material should be disposed of promptly. Disposal of discarded waste/pollutants refers to SECTION 13.

SECTION 7. Safe handling and storage

7.1 Handling Notes:

Keep indoor ventilation or local exhaust device.

7.2 Storage Notes:

Do not store with incompatible material (see section 10.2)

SECTION 8. Exposure controls / personal protection

8.1 Occupational Exposure Limit:

None

8.2 Engineering Control:

None

8.3 Personal Protection:

None

8.4 Sanitary Measure:

Forbid smoking, eating and drinking in working places. Washing hands after handling products.

SECTION 9. Physical and chemical properties

Appearance and Color	Black solid
Odour	No odor
PH value	Not Applicable
Flammability	Nonflammable
Density(g/cm ³)	No Data
Relative steam density (air = 1)	Not Applicable
Octanol/water partition coefficient	Not Applicable



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Viscosity	Not Applicable
Flash point(°C,Closed cup)	Not Applicable
Boiling point(°C)	Not Applicable
Melting point (°C)	No Data
Evaporation rate (kg/s)	Not Applicable
UEL %(V/V)	Not Applicable
LEL %(V/V)	Not Applicable
Auto-ignition temperature(°C)	Not Applicable
Decomposition temperature(°C)	No Data
Solubility	Insoluble in water

SECTION 10. Stability and reactivity

10.1 Stability:

Stable under recommended storage and handling conditions (See section 7).

10.2 Material for avoiding:

Strong oxide, acid and alkali.

10.3 Contact conditions for avoiding:

None

10.4 Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. Toxicological information

11.1 Acute toxicity:

Based on available data, the classification criteria are not met.

11.2 Skin corrosion/irritation:

Based on available data, the classification criteria are not met.

11.3 Serious eye damage/irritation:

Based on available data, the classification criteria are not met.



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11.4 Respiratory or skin sensitisation:

Based on available data, the classification criteria are not met.

11.5 Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

11.6 Carcinogenicity:

Based on available data, the classification criteria are not met.

11.7 Reproductive toxicity:

Based on available data, the classification criteria are not met.

11.8 STOT-single exposure:

Based on available data, the classification criteria are not met.

11.9 STOT-repeated exposure:

Based on available data, the classification criteria are not met.

11.10 Aspiration hazard.:

Based on available data, the classification criteria are not met.

SECTION 12. Ecological information

12.1 Toxicity:

No data available.

12.2 Persistence and degradability:

No data available.

12.3 Bioaccumulative potential:

No data available.

12.4 Mobility in soil

No data available.

12.5 Other Dangers:

No data available.

SECTION 13. Disposal considerations



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13.1 Handling method for waste:

Handling waste according to the local regulations. Contact specific waste disposal company or companies recommended by local laws.

13.2 Handling method for uncleaned packaging

Processing as general waste processing after the empty container.

SECTION 14. Transport information

Packaging Label	None
UN NO	None
Proper shipping name	None
Technical name	None
Transport hazard class	None
Subsidiary hazard class	None
Packing group	None
Marine pollutant	No
ICAO/IATA	Can be shipped as general cargo by air in accordance International Air Transport Association (IATA) DGR 67 th (2026) .
IMDG CODE	Can be shipped as general cargo by sea in accordance with International Maritime Dangerous Goods Code IMDG CODE (Amdt. 42-24).
ADR	Can be shipped as general cargo by Road in accordance with European Agreement concerning the International Carriage of Dangerous (ADR-2023).
RID	Can be shipped as general cargo by Rail in accordance with Regulations concerning the International Carriage of Dangerous Goods (RID-2023).

SECTION 15. Regulatory information

15.1 Safety, health and environmental regulations / laws for pure substances or mixtures

Catalogue of hazardous chemicals (2015 Edition)

Not included in the list.



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15.2 Safety assessment of chemical substances

Not evaluated

SECTION 16. Other information

Reference

- 【1】 IPCS: The International Chemical Safety Cards (ICSC), website:
<http://www.ilo.org/dyn/icsc/showcard.home>
- 【2】 IARC, website: <http://www.iarc.fr/>
- 【3】 OECD: The Global Portal to Information on Chemical Substances, website:
http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en
- 【4】 CAMEO: Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>
- 【5】 NLM: ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>
- 【6】 EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov/iris/>
- 【7】 U.S. Department of Transportation: ERG, website: <http://www.phmsa.dot.gov/hazmat/library/erg>
- 【8】 Germany GESTIS-database on hazard substance, website: <http://gestis-en.itrust.de/>

Abbreviations and acronyms

CAS –Chemical Abstracts Service
CMR - Carcinogens, mutagens or substances toxic to reproduction
PC-STEL- Short term exposure limit
PC-TWA - Time Weighted Average
DNEL - Derived No Effect Level
IARC - International Agency for Research on Cancer
RPE - Respiratory Protective Equipment
PNEC –Predicted No Effect Concentration
LC50 - Lethal Concentration 50%
LD50 - Lethal Dose 50%
NOEC - No Observed Effect Concentration
EC50 - Effective Concentration 50%
PBT - Persistent, Bioaccumulative, Toxic
POW - Partition coefficient Octanol:Water



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BCF - Bioconcentration factor (BCF)

vPvB - very Persistent, very Bioaccumulative

IMDG-International Maritime Dangerous Goods

ICAO/IATA-International Civil Aviation Organization/International Air Transportation Association

UN-The United Nations

ACGIH-American Conference of Governmental Industrial Hygienists

NFPA-National Fire Protection Association

OECD-Organization for Economic Co-operation and Development

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