

Safety Data Sheet (SDS)

In accordance with OSHA HCS 2012

Section 1 - Chemical Product and Company Identification

1.1 Product Identification:

Product Name: MESG Metallic Pigments
Product Model: /

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

Identified uses: MESG Metallic Pigments
Use advised against: No data available.

1.3 Details of the Manufacture or supplier

Manufacture: MESG Products Pte. Ltd.
Address: 3 Ang Mo Kio Street 62, Link@AMK, #01-28, Singapore (569139)
Telephone: +65 6902 3188
Fax: +65 6983 4388
Email: support@mesgshop.com

1.4 Emergency telephone number

Emergency Telephone: +65 8788 7076

Section 2 - Hazards Identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with OSHA Hazard Communication Standards (29 CFR 1910.1200)

This product is not classified as hazardous.

2.2 GHS Label elements, including precautionary statements

Pictogram(s): No pictogram is used.
Signal Word: No signal word is used.
Hazard Statement: No hazard statement.
Precautionary statements: No precautionary statement.

2.3 Description of any hazards not otherwise classified

No additional information available.

Section 3 - Composition/Information on Ingredient

Substance (✓) Preparation () Article ()

Chemical name	CAS No.	Content (%)
Mica ore	12001-26-2	100%

Abbreviation: CAS No. is Chemical Abstract Service Registry Number.

Section 4 - First Aid Measures

4.1 Description of first aid measures:

Eye Contact: Rinse thoroughly with plenty of water, also under the eyelids.

Skin Contact: Wash off with soap and plenty of water.

Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Dust in throat and nasal passages should clear spontaneously. Contact a physician if discomfort.

Ingestion: Wash out mouth with water. Remove to fresh air. If material is swallowed and the victim is conscious, give small amounts of water. Do not induce vomiting unless directed to by medical personnel. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

Section 5 -Extinguishing media

5.1 Extinguishing media

Suitable extinguishing media: The product itself does not burn. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Such as use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Incombustible. No special fire and explosion hazard.

5.3 Advice for firefighters

Use self-contained breathing apparatus (SCBA) and full bunker turnout gear in a sustained fire.

5.4 Further information

No data available.

Section 6 - Accidental Release Measures

For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. See Chapter 13 for information on disposal. Observe the relevant local and international regulations.

6.1 Personal precautions, protective equipment and emergency procedures:

Evacuate area. Ventilate area. Avoid dust generation. Avoid inhaling dust. Use suitable personal protective equipment.

6.2 Environmental precautions:

Not required special environmental precautions.

6.3 Methods and materials for containment and cleaning up:

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal. For disposal see section 13.

Section 7 - Handling and Storage

7.1 Precautions for safe handling:

Provide appropriate exhaust ventilation at places where dust is formed.

Wear suitable personal protective equipment in section 8.

Avoid formation of dust and aerosols. Avoid inhaling dust.

Avoid contact with eyes and clothing.

Wash thoroughly after handling. Keep work areas clean.

7.2 Conditions for safe storage, including any incompatibilities:

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

Section 8 - Exposure Controls, Personal Protection

8.1 Exposure Limits:

Substance	CAS No.	USA OSHA PEL	USA NIOSH REL	Australia
Mica	12001-26-2	20 mppcf	3 mg/cm ³ (respirable fraction)	2.5 mg/cm ³

8.2 Exposure controls

Engineering Control: **Ventilation:** General industrial hygiene practice. There is a possibility of high particulate exposure levels when working with this product. At a minimum, local exhaust and/or general dilution ventilation should be provided as necessary to maintain exposures below regulatory and recommended limits. Dust collection systems must be used in transferring operations, cutting or machining or other dust generating processes because of anticipated dust levels. Vacuum or wet-cleanup methods should be used.

Personal protective equipment:

Respiratory Protection: Not required under normal condition. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eyes Protection: Not required under normal condition. Use face shield and safety glasses if in-eye risk exists. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Body Protection: Normal work clothing (long sleeved shirts and long pants) is recommended.

Hands Protection: Suggest wear suitable protective gloves to avoid skin exposure.

Other Protections: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9 - Physical and Chemical Properties

Information on basic physical and chemical properties	
Appearance	Powder
Color	Colored
Odor	Weak odor
pH (10% m/m)	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not applicable as not a liquid.
Evaporation rate	Not applicable as not a liquid.
Flammability	Incombustible.

Upper explosive limit % (V/V)	Not applicable as not a flammable gas.
Lower explosive limit % (V/V)	Not applicable as not a flammable gas.
Vapor pressure	Not applicable.
Vapor density	Not applicable.
Relative density(water=1)	Not available.
Solubility(ies)	Insoluble in water
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not applicable.
Decomposition temperature	Not available.
Viscosity	Not available.

Section 10 - Stability and Reactivity

10.1 **Stability:** Stable under normal condition.

10.2 **Conditions to Avoid:** No known.

10.3 **Incompatible materials:** No known.

10.4 **Hazardous Decomposition Products:** Other decomposition products- no data available. In the event of fire:see section 5.

10.5 **Possibility of hazardous reactions:** None under normal condition.

Section 11 - Toxicological Information

Acute Toxicity:	No data available.
Skin Corrosion/Irritation:	Based on available data, the classification criteria are not met.
Serious Eye Damage/Eye Irritation:	Based on available data, the classification criteria are not met.
Respiratory or Skin Sensitization	No sensitizing effects known.
Germ Cell Mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity:	None of the components of this product is listed as a carcinogen by IARC, NTP, US OSHA.
Reproductive Toxicity:	Based on available data, the classification criteria are not met.
Specific Target Organ Toxicity - Single Exposure (Globally Harmonized System):	Based on available data, the classification criteria are not met.
Specific Target Organ Toxicity - Repeated	Based on available data, the classification criteria are not met.

Exposure (Globally Harmonized System):

Aspiration Hazard:	Based on available data, the classification criteria are not met.
Potential Health Effects:	
Inhalation:	Inhaling dust may cause respiratory irritation. Long term inhalation of dust above PEL-TWA exposure limits may cause scarring of the lungs.
Skin Contact:	No irritating effect except possible mechanical stimulation.
Eye Contact:	Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.
Ingestion:	Not food stuff, Do not ingested. Basicly nontoxic.

Section 12 - Ecological Information

12.1 Toxicity

No data available

12.2 Persistence and degradability

Does not apply to inorganic substances.

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either 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 known ecological damage or hazard caused by this product.

Section 13 - Disposal Considerations

Waste treatment methods

Product

Non hazardous waste. Recycle if possible. Offer surplus and non-recyclable products to a licensed disposal company. Observe

according to the national and local related regulations.

Contaminated packaging

Dispose of as unused product after empty.

Section 14 - Transport Information

ADR/RID Information

ADR-UN Number: Not regulated for transport

ADR-Class: Not regulated for transport

ADR-Shipping Name: Not regulated for transport

ADRPacking Group: Not regulated for transport

IATA/ICAO Information

The product is not subject to IATA DGR.

IATA-UN Number: Not regulated for transport

IATA-Class: Not regulated for transport

IATA-Shipping Name: Not regulated for transport

IATA-Label: None

IATA-Packing Group: Not regulated for transport

IATA-S.P.: None

IATA-ERG: None

IMO/IMDG Information

The product is not subject to IMO/ IMDG Code.

IMDG-Marine Pollutant: No

IMDG-UN Number: Not regulated for transport

IMDG-Class: Not regulated for transport

IMDG-Shipping Name: Not regulated for transport

IMDG-Packing group: Not regulated for transport

IMDG-Storage Category: Not regulated for transport

Section 15 - Regulatory Information

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

No data available.

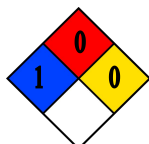
15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

Section 16 - Additional Information

HMIS Rating

Health hazard: 1
Flammability: 0
Physical Hazard: 0



NFPA Rating

Health hazard: 1
Fire Hazard: 0
Reactivity Hazard: 0



16.1 Reference

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| [1] | IPCS: The International Chemical Safety Cards (ICSC) | website: http://www.ilo.org/dyn/icsc/showcard.home |
| [2] | EU REACH Registered Substance Database | website: http://echa.europa.eu/web/guest/information-on-chemicals/registered-substances |
| [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/ |
| [9] | IARC | website: http://www.iarc.fr/ |

16.2 Abbreviations and acronyms

PC-STEL	Short term exposure limit
PC-TWA	Time Weighted Average
IARC	International Agency for Research on Cancer
LC50	Lethal Concentration 50%
LD50	Lethal Dose 50%

EC50	Effective Concentration 50%
PBT	Persistent, Bioaccumulative, Toxic
vPvB	very Persistent, very Bioaccumulative
ADR	Agreement on Dangerous Goods by Road
IATA	International Air Transport Association
IMO	International Maritime Organization
IMDG	The International Maritime Dangerous Goods
ICAO	International Civil Aviation Organization
UN	The United Nations
NTP	National Toxicology Program
ACGIH	The American Conference of Governmental Industrial Hygienists
OSHA	Occupational Safety and Health Administration
NIOSH	National Institute for Occupational Safety and Health

16.3 Disclaimer

-This safety data sheet was prepared in accordance with US OSHA Hazard Communication Standards (29 CFR 1910.1200).
 -The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product

16.4 Information on revision

MSDS Creation Date: November 21, 2022
 MSDS Revision Date: -
 Reason For Revision: -
 MSDS Edition: 1.0

*****End*****