

Safety Data Sheet (SDS)

In accordance with OSHA HCS 2012

Section 1 - Chemical Product and Company Identification

1.1 Product Identification:

Product Name: MESH Top Coat Agent (Anti-Slip)
Product Model: /

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

Identified uses: MESH Top Coat Agent (Anti-Slip)
Use advised against: No data available.

1.3 Details of the Manufacture or supplier

Manufacture: MESH 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 ()

Formula: MgCO₃

Molecular mass: 84.3

Chemical name	CAS No.	Content (%)
Magnesium carbonate	546-93-0	100%

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

Section 4 - First Aid Measures

4.1 Description of first aid measures:

Eye Contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. If irritation persists, seek medical attention immediately.

Skin Contact: Wash off with soap and plenty of water. If irritation persists, seek medical attention.

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: DO NOT induce vomiting. Wash out mouth with water and give plenty of water to drink (at least 300 ml.). Consult a physician attention and get medical immediately.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

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: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: No data available.

5.2 Special hazards arising from the substance or mixture

This product do not burn.

5.3 Advice for firefighters

Evacuate personnel to safe areas. As in any fire, Wear self-contained breathing apparatus and full protective gear for firefighting.

5.4 Further information

Avoid contaminated firefighting water releasing to drains or waterways.

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:

Prevent uncontrolled discharges into the environment (rivers, water courses, sewers etc.).

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. Preferably for re-use, otherwise for disposal. Wash the spillage area with large quantities of water. 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 skin and eyes. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Store away from foodstuffs. Do not store together with strong oxidizing agent, acid.

Section 8 - Exposure Controls, Personal Protection

8.1 Exposure Limits: Not established by US OSHA and ACGIH.

8.2 Exposure controls

Engineering Control: General industrial hygiene practice. Provide appropriate exhaust ventilation at places where dust is formed.

Personal protective equipment:

Respiratory Protection: Respiratory protection is not required. 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: 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: Use normal work suit is enough.

Hands Protection: 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	White
Odor	Odorless
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Decomposes at 350°C.
Flash point	Not applicable.
Evaporation rate	Not applicable as not a liquid.
Flammability	This product does not burn (inner ingredients of desiccant).
Upper explosive limit % (V/V)	Not applicable.
Lower explosive limit % (V/V)	Not applicable.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density(water = 1)	2.95.
Solubility(ies)	g/100ml at 20 ° C: 0.01 (very poor)

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 storage temperature and pressure. Very hygroscopic, tends to become deliquescent.

10.2 Conditions to Avoid: Avoid moisture before being used.

10.3 Incompatible materials: Strong oxidizing agents, acid.

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: Reacts with acids. This produces carbon dioxide gas.

Section 11 - Toxicological Information

Acute Toxicity:

Ingredient	CAS No.	LD50-Rat-Oral	LC50-Rat-inhalation	LD50-Rat-skin
Magnesium carbonate	546-93-0	>2000mg/kg	-	-

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): No known human health effects upon single exposure.

Specific Target Organ Toxicity - Repeated Exposure (Globally Harmonized System): No known human health effects upon repeated exposure.

Specific Target Organ Toxicity - Repeated Exposure (Globally Harmonized System):

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

Potential Health Effects:

Inhalation:	Inhalation risk: A nuisance-causing concentration of airborne particles can be reached quickly when dispersed. Effects of long-term or repeated exposure: Lungs may be affected by repeated or prolonged exposure to dust particles.
Skin Contact:	May cause slight skin irritation.
Eye Contact:	May cause eye irritation if dust in-eye.
Ingestion:	May be harmful if ingested.

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 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

Avoid undiluted product releasing to environment.

Section 13 - Disposal Considerations

Waste treatment methods

Product

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

Containers may still present chemical hazard when empty. Return to supplier for recycling if possible or disposal according

local related regulations.

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.

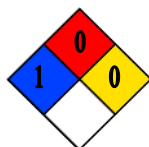
15.2 Chemical Safety Assessment

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

- | | | |
|-----|--|--|
| [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*****

Safety Data Sheet (SDS)

In accordance with OSHA HCS 2012

Section 1 - Chemical Product and Company Identification

1.1 Product Identification:

Product Name: MESG Top Coat Agent (Matte)
Product Model: /

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

Identified uses: MESG Top Coat Agent (Matte)
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 (%)
Polyurea polymer	37955-36-5	100%

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

Section 4 - First Aid Measures

4.1 Description of first aid measures:

Eye Contact: Flush eyes with water as a precaution.

Skin Contact: Wash off with soap and plenty of water. If burned by contact with hot material, cool molten material adhering to skin as quickly as possible with water, and see a physician for removal of adhering material and treatment of burn.

Inhalation: If dust and melted fume exists, Remove to fresh air. Get medical attention if feel unwell.

Ingestion: No significant effects and influences. Rinse mouth with water. Give 2 glasses of water to drink. Get medical attention if feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

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: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Will burn at elevated temperature or open flame. Decomposition products formed under fire conditions. - Carbon monoxide, carbon dioxide, Nitrogen oxides, etc..

5.3 Advice for firefighters

Evacuate personnel to safe areas. As in any fire, Wear self-contained breathing apparatus and full protective gear for firefighting. Move container from fire if safe.

5.4 Further information

Avoid dust generation, as combustible dust can form explosive dust-air mixtures when finely dispersed in air and reach a certain concentration.

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. Do not touch or walk through spilled material.

6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment should be avoided.

6.3 Methods and materials for containment and cleaning up:

Pick up and arrange disposal without creating dust. Eliminate all ignition sources. Ventilate the spill area. Floor may be slippery, use care to avoid falling. 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 or fume of high temperature is formed.

Wear suitable personal protective equipment in section 8.

Avoid formation of dust and aerosols. Avoid inhaling dust.

Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities:

Store in cool place. Keep package tightly closed in a dry and well-ventilated place. Do not store together with strong oxidizing agent. Keep away from fire and heat.

Section 8 - Exposure Controls, Personal Protection

8.1 Exposure Limits: Not established by US OSHA and ACGIH.

8.2 Exposure controls

Engineering Control: General industrial hygiene practice. Provide appropriate exhaust ventilation at places where dust or fume/vapor is formed.

Personal protective equipment:

Respiratory Protection: Wear NIOSH approved full or half face piece (with goggles) respiratory protective equipment when necessary.

Eyes Protection: An eye wash unit and safety shower station should be available nearby work place. Wear safety glasses to protect eyes when working with molten material.

Body Protection: In production, use normal work suit is enough.

Hands Protection: It is a good industrial hygiene practice to minimize skin contact. When material is heated, wear gloves to protect against thermal burns

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	White
Odor	Weak odor
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Ignition temperature	Not available.
Evaporation rate	Not applicable.
Flammability	Not flammable.
Explosive limit % (V/V)	Not available.
Vapor pressure	Negligible (20°C)

Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	Negligible soluble in water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

Section 10 - Stability and Reactivity

10.1 Stability: Stable under normal storage temperature and pressure.

10.2 Conditions to Avoid: Overheat, flames and sparks. Avoid dispersion of dust.

10.3 Incompatible materials: Strong oxidizing agents.

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: No known hazardous reaction under normal condition.

Section 11 - Toxicological Information

Acute Toxicity:	No data available.
Skin Corrosion/Irritation:	No known irritating effect.
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):	No known human health effects upon single exposure.
Specific Target Organ Toxicity - Repeated Exposure (Globally Harmonized System):	No known human health effects upon repeated exposure.
Aspiration Hazard:	Based on available data, the classification criteria are not met.
Potential Health Effects:	

Inhalation:	Avoid inhaling dust. Exposure to small amount of dust is not expected to present a hazard. Inhalation fumes from hot-molten resin may cause irritation to respiratory tract.
Skin Contact:	No irritating effect except possible mechanical stimulation similar to sand or dust. Molten material will produce thermal burns.
Eye Contact:	No irritation effect under normal temperature. Fumes from hot-molten resin may cause eyes irritation.
Ingestion:	Not an expected route of exposure. Swallowing small amounts is not likely to have significant effect. Swallowing large amounts may be harmful.

Section 12 - Ecological Information

12.1 Toxicity

High molecular weight polymers, expected to be low toxicity or nonhazardous to environment under normal usage.

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No bioaccumulative potential

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 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.

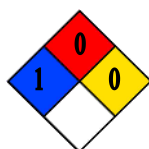
15.2 Chemical Safety Assessment

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

- | | | |
|-----|--|---|
| [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*****