

Material Safety Data Sheet (MSDS)

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name: GM Series

Chemical Family: Polydimethylsiloxane Polymer

HMIS Rating:H0 F1 R0

Use of Material: Sealing, Cushioning, Vibration Isolation, and Insulation

Date Prepared: 27/11/2018

Company/Undertaking: Dongguan Guangmai Electronic Technology Company Limited

Identification:16B Building,Internation Finance IT Research Development Center,

NO.5 Keji Ten Road,Songshan Lake High-Tech Industrial Development

Zone,Dongguan City,China Phone:+86-0769-26621791

2. HAZARDS IDENTIFICATION

Classification of the material: NE

Labeling Requirements: NE

Effects of Overexposure: None are expected with normal handling. Materials listed in Section 2 are encapsulated or compounded making release unlikely. Cutting and other finishing operations may create dust. Ventilation and personal protective equipment should be similar to operations generating nuisance dust.

Inhalation: Dusts may cause respiratory irritation.

Eye Contact: Dusts may cause irritation.

Skin Contact: Dusts may cause irritation.

Ingestion: None known.

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CHRONIC: The IARC has listed carbon black as a Class 2B possible human carcinogen based on animal studies.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is produced as an “article” as defined in 20 CFR 1910.1200 and is therefore exempt from the Hazard Communication Standard. Since this material does not release chemicals and will not result in exposure to a hazardous chemical under normal conditions of use, no Material Data Sheet is required. This form is provided as a convenience to our customers

Chemical Name	Ratio of constituents /%	CAS No.	EINECS
Alumina Hydrate	<10	21645-51-2	244-492-7
Silica, Tripoli	<20	14808-60-7	238-878-4
Carbon Black	<1	1333-86-4	215-609-9

4. FIRST-AID MEASURES

Inhalation: Remove to fresh air. Obtain medical attention if symptoms persist.

Eye Contact: Flush eyes with large amounts of water for 15 to 20 minutes. Obtain medical attention if symptoms persist.

Skin Contact: Immediately take off all contaminated clothing and flush area with water for 15 to 20 minutes. Obtain medical attention if symptoms persist.

Ingestion: Not a likely route of exposure. If large amounts of processing dusts are ingested resulting in gastrointestinal discomfort, seek medical attention.

5. FIRE-FIGHTING MEASURES

Flash Point : NA Flammable Limits: LEL NE UEL NE

Autoignition Temperature: NA

Extinguishing Medla: X Water Spray X Foam X CO2 X Dry Chemical Other

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Special Fire Fighting Procedures: Firefighters should be equipped with self-contained breathing apparatus and turnout gear.

Unusual Fire and Explosion Hazards: Decomposition in a fire may produce toxic fumes and siliceous char.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear suitable protective equipment.

Wear self-contained breathing apparatus and heavy rubber gloves.

Avoid contact with skin and eyes.

Environmental Precautions: Prevent from entering sewer system, surface water or soil.

Cleaning Methods: Pick up larger solid materials.

Use broom and dust pan to collect smaller pieces.

Dispose of properly.

7. HANDLING AND STORAGE

Handling: Wear suitable protective equipment (refer to Section 8). Wash hands with soap and water after handling. Avoid processing conditions that release small particles of materials (10 micrometers or less).

Storage: Keep container tightly closed in a dry, cool, and well-ventilated area

8. ENGINEERING CONTROLS/PERSONAL PROTECTION

Respiratory Protection: None needed under normal conditions. If material is heated and odors are noticeable and/or irritating, a respirator meeting NIOSH requirements should be used. A qualified individual should evaluate each situation.

VENTILATION

Local: Recommended for all industrial operations.

General: Recommended for all industrial operations.

PERSONAL PROTECTION

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Hand: Cotton gloves to protect from fiberglass.

Eye: Safety glasses are recommended with all industrial operations.

Skin: Any material that will prevent contact with fiberglass.

Other: Safety shower/eyewash in the area if possible tissue exposure to materials.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Cellular silicone material

Odor: Slight characteristic

Physical State: Solid

Boiling Point: NA

Melting Point: NE

Freezing Point: NA

Water Solubility: NE

Vapor Pressure: None

Specific Gravity: 0.3 – 0.55 (Water = 1)

Partition Coefficient: NA

Explosive Properties: NA

Evaporation Rate: NA

Density: 0.3 – 0.55 g/cc

Viscosity: NA

Ignition Temperature: NA

pH: NA

Flammability: NA

Oxidizing Properties: NA

10. STABILITY AND REACTIVITY

Stability: Stable X Unstable

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Conditions to Avoid: NE

Materials to Avoid: NE

Hazardous Polymerization: _____ May Occur ___X___ Does Not Occur

Hazardous Decomposition Products: Decomposition in a fire may produce toxic fumes and siliceous char Carbon monoxide, carbon dioxide, fluorine compounds, formaldehyde, silicon dioxide, and traces of incompletely burned carbon compounds.

11. TOXICOLOGICAL INFORMATION

Acute/Chronic: NE

Reproductive Hazards: NE

Carcinogenic Status : None

12. ECOLOGICAL INFORMATION

Ecotoxicity : NA

13. DISPOSAL CONSIDERATION

Environmental Toxicity Data: NA

Waste Disposal Method: Dispose of in accordance with local regulations

Container Disposal: Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

UN Number: Not Regulated

UN Proper Shipping Name: Not Regulated

Hazard Class (ES): Not Regulated

Packing Group: Not Regulated

Environmental Hazards: Not Regulated

15. REGULATORY INFORMATION

INTERNATIONAL REGULATIONS:

RoHS: Does not contain any intentionally added substances mentioned by the RoHS directive.

Halogen-free environmental test (EN 14582 2016) :In line with the requirements of halogen-free environmental protection of halogen content.

Code of practice for fire precautions in the design and construction of passenger carrying trains (BS 6853:1999) :the submitted sample meets the requirements for vehicle category Ia, Ib, II for Interior horizontal supine surfaces (Table 1) defined in BS 6853:1999 Incorporating Amendment No.1:2002.

16. OTHER INFORMATION

NA = Not Applicable NE = Not Established

Prepared By : Marketing Department

Reviewed By : Technical Department

Date of filling:27/11/2018

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