



Find your needs from
ANPIN Silicone

Material Safety Data Sheet

1.0 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product name: Thermal Grease

1.2 Other name: Thermally Conductive Silicone Compound

1.3 Product model: AP-505W

1.4 Manufacturer: Shenzhen Anpin Silicone Material Co., Ltd.

1.5 Address: Anpin Building, Area 2 of Sanxing Industrial Area, Fuhai Fuyong Blvd, Fuyong Street, Bao'an District, Shenzhen, Guangdong, China

1.6 Tel: +86-755-61149688

1.7 Fax: +86-755-27334881

1.8 Web: www.apsi.cn

2.0 COMPOSITION, INFORMATION ON INGREDIENTS

Component	CAS No.	Percentage, %
Polysiloxane	63148-62-9	40
Aluminum Oxide	1344-28-1	40
Zinc Oxide	1314-13-2	20

2.1 Chemical Type: Mixture

2.2 Physical State: Viscous

2.3 Hazards Composition: No

3. PHYSICAL AND CHEMICAL PROPERTIES

3.1 Physical State: Viscous

3.2 Oder: Light odorous

3.3 Main function: thermally conductivity

**WE HELP YOU BUILDING
YOUR DREAM**

Shenzhen Anpin Silicone Material Co., Ltd.



Find your needs from
ANPIN Silicone

3.4 Solubility in water: No

3.5 Melting Point: No data

3.6 Autoignition Temperature: No data

3.7 Explosion Limits: No data

3.8 Chemical Stability: Stable

3.9 Flash Point: >90 deg C

4.0 HAZARDS IDENTIFICATION

4.1 Most hazards affection: No

4.2 Cargo hazards identification: non-dangerous chemical

5.0 FIRST AID MEASURES

5.1

Eyes: Immediately flush with water

Skin: Removing immediately

Inhalation: No first aid should be needed

Ingestion: Remove to fresh air. Get medical attention if ill effects persist

6.0 FIRE FIGHTING MEASURES

6.1 Extinguishing media: On large fires use dry chemical, foam or water spray. On small fires use carbon oxide, dry chemical or water spray. Water can be used to cool fire exposed containers.

6.2 Potential hazards during fire fighting: No

6.3 Fire Fighting Measures: Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

7.0 ACCIDENTAL RELEASE MEASURES

7.1 Personal Precautionary Measures: Avoid contact with skin and eyes.

7.2 Environmental Precautionary Measures: Prevent from entering sewers, waterways, or low areas

7.3 Methods and material for containment and cleaning up: Determine whether to evacuate or isolate the area

**WE HELP YOU BUILDING
YOUR DREAM**



Find your needs from
ANPIN Silicone

according to your local emergency plan. Observe all personal protective equipment recommendations described in this MSDS. If diked material can be pumped, store recovered material in appropriate container. Materials in contact with water, moisture, acids or bases have the potential to generate hydrogen gas. Recovered material should be stored in a vented container. Clean up remaining materials from spill with suitable absorbant. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbant or cleaning materials appropriately, since spontaneous heating may occur. Laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which laws and regulations are applicable.

8.0 HANDLING and STORAGE

8.1 Precautions for safe handling: Keep the workplace clean. Provide adequate ventilation. Avoid generation and spreading of dust. Avoid inhalation and contact with skin and eyes. Wear protective equipment, gloves and appropriate clothing to prevent skin contact. Observe good industrial hygiene practices.

8.2 Conditions for safe storage, including any incompatibilities: Store in closed original container in a dry place. Keep away from ignition, flame and heat sources. Store away from incompatible materials.

9.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

9.1 ENGINEERING CONTROLS

Local exhaust: None needed

General ventilation: None needed

Eyewash stations: Recommended

9.2 PERSONAL PROTECTIVE EQUIPMENT FOR ROUTINE HANDLING

Eyes: Use proper protection - safety glasses as a minimum.

Skin: Wash at mealtime and end of shift. If skin contact occurs, change contaminated clothing as soon as possible and thoroughly flush affected areas with cool water. Chemical protective gloves are recommended.

Suitable Gloves: Avoid skin contact by implementing good industrial hygiene practices and procedures. Select and use gloves and/or protective clothing to further minimize the potential for skin contact. Consult with your glove and/or personnel protective equipment manufacturer for selection of appropriate compatible materials.

**WE HELP YOU BUILDING
YOUR DREAM**



Find your needs from
ANPIN Silicone

Inhalation: No respiratory protection should be needed.

Suitable Respirator: None should be needed.

10 STABILITY AND REACTIVITY

10.1 Stability Data: Stable

10.2 Reactivity: No

10.3 Conditions to Avoid: No

10.4 Hazardous Decomposition Products: metal oxides, carbon oxides and traces or incompletely burned carbon compounds, silicone dioxide and water

11.0 TOXICOLOGICAL INFORMATION

11.1 Skin Corrosion/Irritation: No.

11.2 Chronic Toxicity (mouse, 6 months): N/D

11.3 Oral Toxicity (LD 50): 35000 mg/kg

11.4 Other Information: No

12.0 ECOLOGICAL INFORMATION

12.1 Environmental Fate and Distribution:

Complete information is not yet available.

12.2 Environmental Effects:

Complete information is not yet available.

12.3 Bioaccumulation:

Complete information is not yet available.

12.4 Fate and Effects in Waste Water Treatment Plants

Complete information is not yet available.

13.0 DISPOSAL CONSIDERATIONS

13.1 Residual waste: Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

13.2 Contaminated packaging: Disposal recommendations are based on material as supplied. Disposal must be in

**WE HELP YOU BUILDING
YOUR DREAM**



Find your needs from
ANPIN Silicone

accordance with current applicable laws and regulations, and material characteristics at time of disposal.

14.0 TRANSPORT INFORMATION

14.1 Road Shipment Information: Applicable

14.2 Ocean Shipment: Applicable

14.3 Air Shipment: Not subject to IATA regulations

15.0 REGULATORY INFORMATION

15.1 Limited law and standard: No

16.0 OTHER INFORMATION

16.1 Prepared by: Quality Control Department of Shenzhen Anpin Silicone Material Co., Ltd.

16.2 Reviewed by: Technical Support Department of Shenzhen Anpin Silicone Material Co., Ltd.

16.3 Issue date: 2024-06-09