

Material Safety Data Sheet

Date:2013/06/24 GHS 1.1

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

| | |
|--|--|
| Product Name : | NS 6325 High Performance CPU/GPU Nanodiamond Thermal Conductive Grease |
| Recommended Product Usage and Limited Use : | Silicone compound |
| Supplier : | Sil-More Industrial Ltd. |
| Address : | 16F., No. 100, Xingde Rd., Sanchong Dist., New Taipei City 24158, Taiwan |
| Telephone Number : | 886-2-7705-9500 |
| Fax Number : | 886-2-8512-2988 |

2. HAZARD IDENTIFICATION

| | |
|--|--|
| Hazard Classification : | Serious eye damage/eye irritation Category 2B |
| Label Elements Including Precautionary Statements | |
| Symbol : | None |
| Signal Word : | Warning |
| Hazard Risk Statement : | Causes serious eye irritation. Irritates respiratory passages very slightly |
| Precautionary Statement : | Medical Conditions Aggravated by Exposure. Repeated ingestion or swallowing large amounts may injure internally. Repeated or prolonged exposure may cause irritation |
| Other Hazard : | — |

3. COMPOSITION / INFORMATION ON INGREDIENTS

| | | |
|---|----------------|---------------|
| Chemical characterization: Mixture | | |
| Hazardous Ingredients | | |
| Chemical Name | CAS No. | %(w/w) |
| Dimethyl Siloxane | — | 10.0~15.0 |
| Metal Oxide | — | >50.0 |
| Nano Synthetic Diamonds & Ceramics Oxide | — | 25.0~30.0 |

4. FIRST AID MEASURES

| | |
|--|--------------------------------|
| First Aid Measures | |
| Inhalation: | No first aid should be needed. |
| Skin: | No first aid should be needed. |
| Eyes: | Immediately flush with water. |
| Oral: | Get medical attention. |
| Important Symptoms and Hazard Effects: None | |
| Personal protection for first aid or rescue personnel who have to enter the workplace in which a major spill has occurred: None | |
| Note to physicians: Treat symptomatically. | |

5. FIRE-FIGHTING MEASURES

| |
|---|
| Suitable Extinguishing Media: On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO ₂), dry chemical or water spray. Water can be used to cool fire exposed containers. |
| Specific Hazards: None |
| Special Fire Fighting: Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Use water spray to keep fire exposed containers cool. Determine the need to evacuate or isolate the area according to your local emergency plan. |
| Special protective equipment for the Fire Fighters: None |

6. ACCIDENTAL RELEASE MEASURES

| |
|--|
| Personal Precautions: Observe all personal protection equipment recommendations described in Sections 5 and 8. |
| Environmental Precautions: You will need to determine which federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements. |
| Methods for Cleaning up: Wipe up or scrape up and contain for salvage or disposal. 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 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 absorbent or cleaning materials appropriately, since spontaneous heating may occur. Local, state and federal 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. |

7. HANDLING AND STORAGE

Handling Precautions: Product may evolve minute quantities of flammable hydrogen gas which can accumulate. Adequately ventilate to maintain vapors well below flammability limits and exposure guidelines.

Storage Conditions: Do not repackage. Do not store in glass containers which may shatter due to pressure build up. Clogged container vents may increase pressure build up. Keep container closed and store away from water or moisture.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|--|--|
| Engineering Controls | |
| Local Ventilation: Recommended. | |
| General Ventilation: Recommended. | |
| Personal Protective Equipment | |
| Respiratory protection: | No respiratory protection should be needed. |
| Hand protection: | No special protection needed. |
| Eye protection: | Use proper protection - safety glasses as a minimum. |
| Skin protection: | Washing at mealtime and end of shift is adequate. |
| Hygiene Measures: — | |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--------------------------------------|-------------------------------|
| Physical Form: Grease | Odor: Slight odor |
| Color: Gray | Melting Point: — |
| pH: — | Boiling point/range: — |
| Decomposition Temperature : — | Flash Point: — |
| Autoignition temperature: — | Teat Method: — |
| Vapor Pressure @ 25°C: — | Explosive Limit |
| Vapour Density (air=1): — | Upper Limit: — |
| Specific Gravity: — | Lower Limit: — |
| Viscosity @25°C : 89,000 | Water Solubility: — |

10. STABILITY AND REACTIVITY

| |
|---|
| Stability: Stable. |
| Possibility of Hazardous Reactions: Hazardous polymerization will not occur. |
| Conditions to Avoid: None |
| Materials to Avoid: Oxidizing material can cause a reaction. |
| Hazardous Decomposition Products: — |

11. TOXICOLOGICAL INFORMATION

| | |
|--|---|
| Route of Exposure: — | |
| Signs and Symptoms of Overexposure: — | |
| Acute Toxicity: — | |
| Eyes: | — |
| Skin: | — |
| Ingestion: | — |
| Inhalation: | — |
| Chronic Toxicity: — | |
| Other Health Hazard Information: No known applicable information. | |

12. ECOLOGICAL INFORMATION

| |
|--|
| Aquatic and Terrestrial Ecotoxicity: No data available. |
| Persistence and Degradability Degradation: No data available. |
| Bioaccumulative Potential Bioaccumulation: No data available. |
| Mobility in Soil: No data available. |
| Other Adverse Effects: No data available. |

13. DISPOSAL CONSIDERATIONS

| |
|---|
| Dispose of in accordance with local regulations. |
|---|

14. TRANSPORT INFORMATION

| | |
|--|---|
| International Transport Information | |
| Proper Shipping Name: | — |
| Class: | — |
| Packing Group: | — |
| Hazard Label(s): | — |
| UN No. : — | |
| Transport Regulations: Transport of in accordance with local regulations. | |
| Special Requirements and Additional Information : — | |

15. REGULATORY INFORMATION

| |
|---|
| Applicable Laws: Traffic Safety Rules. Rules on Workers Health and Safety Facilities. |
|---|

Regulation of Labelling and Hazard Communication of Dangerous and Harmful Materials.
Standards for the Storage, Cleanup, Handling and Disposal of Industrial Waste.

16. OTHER INFORMATION

MSDS Provider

Name: Sil-More Industrial Lyd.

Address: 16F., No. 100, Xingde Rd., Sanchong Dist., New Taipei City 24158, Taiwan

Telephone Number: 886-2-7705-9500

Preparer Title: Quality Control Specialist

Name : Wayne

Date of Issue: 2013/06/24