

MATERIAL SAFETY DATA SHEET

SG-641

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Product name : SG - 641
Chemical family : Silicone compound
Intended use : Heat Sink
Revised Date : 2010 / 05 / 18

2. OSHA HAZARDOUS INGREDIENT / IDENTITY INFORMATION

None.

This product is not a hazardous material as defined in the OSHA Hazard Communication Standard.

3. EFFECTS OF OVEREXPOSURE

There are no potential health effects expected from handling this material. Good manufacturing practices are always recommended when handling any chemical.

Eye – Direct contact may cause discomfort and redness.

Inhalation – No significant irritation expected from a single short-term exposure.

Oral – Low ingestion hazard in normal use.

Skin – No significant irritation expected from a single short-term exposure.

4. FIRST AID MEASURES

Eye – Immediately flush with water.

Inhalation – No first aid should be needed.

Oral – No first aid should be needed.

Skin – No first aid should be needed.

5. FIRE FIGHTING MEASURES

Flash Point : >101°C

Auto-ignition temperature : Not determined.

Flammability Limits in air : Not determined.

Extinguishing Media : Use dry chemical, foam or water spray on large fires. Use carbon dioxide, dry chemical or water spray on small fires. Use water to cool fire exposed containers.

Fire Fighting Measures : Determine the need to evacuate or isolate the area according to your local emergency plan. 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.

Unusual Fire Hazards : None.

6. ACCIDENTAL RELEASE MEASURES

Personal Protection : According to your local emergency plan, determine the need to evacuate or isolate the area. Observe all personal protection equipment recommendations described in Sections 5 and 8.

Environment Protection : For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container.

Clean up : Clean remaining materials from spill with suitable absorbant. Clean area as appropriate since some silicone materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Appropriately dispose of saturated absorbant or cleaning materials, since spontaneous heating may occur. Government laws and regulations may apply to releases and disposal of this materials, as well as those materials and items employed in the cleanup of releases. Users should determine which government laws and regulations are applicable.

7. HANDLING AND STORAGE

Avoid eye contact. Adequate ventilation is recommended. Avoid from oxidizing materials. Tightly close containers and store at dried and cool place.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Component Exposure Limits : None.

Engineering Controls : General ventilation is recommended.

Local ventilation should not be needed.

Personal Protective Equipment for Routine Handling :

Eyes – Use proper protection, safety glasses as a minimum.

Inhalation – No respiratory protection should be needed.

Skin – Wash hands at mealtime and end of shift. No special protective gloves needed.

Personal Protective Equipment for Spills :

Eyes – Use proper protection, safety glasses as a minimum. Avoid eye contact.

Inhalation – No respiratory protection should be needed.

Skin – Wash hands at mealtime and end of shift. No special protective gloves needed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical form : Paste

Color : White

Odor : Odorless

Specific gravity at 25°C : 2.4

Viscosity : Not applicable

Melting point : Not determined

Boiling point : Not determined

Vapor pressure at 25°C : Not determined

Vapor density : Not determined

Solubility in Water : Not determined

PH : Not determined

Volatile content : Not determined

10. STABILITY AND REACTIVITY

Chemical stability : Stable

Hazardous polymerization : Not occur.

Condition to avoid : None.

Materials to avoid : Oxidizing material can cause a reaction.

11. TOXICOLOGICAL INFORMATION

Acute toxicology data for product : Not available.

Component toxicology information : Not available.

Special hazard information on components : No known applicable information.

12. ECOLOGICAL INFORMATION

Environmental fate and distribution : Not available.

Environmental effects : Not available.

Fate and effects in waste water treatment plants : Not available.

13. DISPOSAL CONSIDERATIONS

When a decision is made to discard this material, as received, it is classified as not a hazardous waste. However, any discard of this material should be based on user's government laws and regulations. Any additives or changes on process may alter the properties of original materials, users should take their own responsibilities for disposal.

14. TRANSPORT INFORMATION

DOT road shipment information (40 CFR 261) : Not subject to DOT.

Ocean shipment (IMDG) : Not subject to IMDG code.

Air shipment (ICAO) : Not subject to ICAO regulations.

15. REGULATORY INFORMATION

EPA SARA Title III Chemical Listings

Section 302 Extremely hazardous substances : None.

Section 304 CERCLA hazardous substances : Metal oxides (fume or dust, >50%)

Section 312 Hazard Class :

Acute : No

Chronic : No

Fire : No

Pressure : No

Reactive : No

Section 313 Toxic Chemicals: Metal oxides (fume or dust, >50%)

16. OTHER INFORMATION

Prepared by : EZBond Chemical Co., Ltd.

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.