

PRODUCT

GT Products® GT6147

1. PRODUCT AND COMPANY IDENTIFICATION

Manufactured by:

GT Products, Inc.
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Chemical Type/Description:

by: Stacy D Blevins
Silicone Water Repellent

2. HAZARDOUS INGREDIENTS

Component	% (Approx.)	Exposure Limits	CAS No.
methoxy substituted silicone resin	10-20%	not established for methanol OSHA std is: 200 ppm, 8 hr. TWA	Trade Secret
alkyltriethoxysilane	5-15%	not established for ethanol OSHA std is: 1000 ppm, 8 hr. TWA	Trade Secret
titanium compound	.5-3%	not established supplier recommends 20 ppm, 8 hr. TWA	Trade Secret

This product contains Methylpolysiloxanes, which can generate Formaldehyde at approximately 300°F (150°C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin, eye, and throat irritant, is toxic and a potential cancer hazard.

HMIS RATING:**FLAMMABILITY: 3****REACTIVITY: 1****HEALTH: 2**

3. EFFECTS OF EXPOSURE

Potential Health Effects:

Ingestion: Ingestion will result in hydrolysis releasing methanol and ethanol. Do not ingest.

Skin Contact: May cause contact dermatitis on long exposure.

Inhalation: May irritate.

Eye Contact: Will irritate.

4. FIRST AID MEASURES

Ingestion: Ingestion will result in hydrolysis producing methanol and ethanol. Seek medical attention. Treat for methanol poisoning.
Skin: Remove with dry towel, then wash with soap and water.
Eyes: Rinse 15 minutes with running water. Seek medical attention if irritation persists.
Inhalation: Seek fresh air if needed.
Other: Not applicable.

5. FIRE FIGHTING INFORMATION

Flash Point (Method): <75°F (Setaflash) Note: Flash point varies somewhat due to the variable methanol content. Material burns poorly producing significant SiO₂ ash. Flame self-extinguishes when ignition source is removed. However, the low flash of the alcohols (mainly methanol) typically present make it a red-label flammable.

Flammability Class: Flammable Liquid Class IB.
Flammability Limits in Air: Not available.
Extinguishing Media: All standard media for chemical fires.
Hazardous Combustion Products: CO, CO₂, SiO₂, H₂CO
Special Fire Fighting Notes: Like all silicones or products containing them, GT Products® GT6147 can produce formaldehyde when strongly heated in air. Additionally, GT Products® GT6147 will generate methanol and ethanol upon contact with water or during improper storage.

6. ACCIDENTAL RELEASE MEASURES

Pick up spilled material with absorbent clay, then wash area thoroughly with water and detergent. Scrubbing will be required if the spilled material has been allowed to cure. Spilled material is very slippery.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes and prolonged skin contact.
Storage: Store in cool (< 100°F), closed and dry containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Good general ventilation.
Personal Protective Equipment
Eyes: Safety glasses.
Skin: Rubber or plastic gloves as desired.
Inhalation: Respirator fitted with organic vapor cartridges if exposure causes discomfort. This is not normally required.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Clear low viscosity liquid.
Color: Colorless.
Odor: Slight odor of methanol.
Boiling Point: Will not boil, but rather begins decomposing at temperatures >60C.d.
Vapor Density (air = 1): All components are heavier than air. Any methanol present (or formed) is also heavier than air though not by much (1.1x).
Density: 1.00±0.02
Solubility in Water: Negligible. Reacts with water.

10. STABILITY AND REACTIVITY

Chemical Stability: Stable in the absence of contamination and moisture.
Hazardous Polymerization: Will not occur.
Decomposition Products: Only in fire conditions or when contaminated - see section 5.
Materials to Avoid: Water, acids, bases, oxidizing agents.
Conditions to Avoid: Keep tightly sealed to avoid contamination and exposure to atmospheric moisture. Storage in the original container, in a cool dry place will avoid problems.

11. TOXICOLOGICAL INFORMATION

No additional information is available. See Section 2 and Section 3.

12. ECOLOGICAL INFORMATION

None available

13. DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with state and local regulations.

14. TRANSPORT INFORMATION

DOT SHIPPING NAME: "FLAMMABLE LIQUID N.O.S. – Silicone Mixture Contains Ethanol and Methanol"
DOT HAZARD CLASS: Flammable Liquid.
UN/NA Number: UN1993.

15. REGULATORY INFORMATION

TSCA INVENTORY STATUS: These materials or all of their contents are listed on the Toxic Substances Control Act (TSCA).

16. OTHER INFORMATION

We believe the above information is correct as of the date of this MSDS. However, as this information and the conditions under which the product are used are beyond the control of GT PRODUCTS, INC., it is the user's obligation to determine the conditions for the safe use of the product. No warranty, expressed or implied, is hereby made.