

GT Products, Inc.  
**MATERIAL SAFETY DATA SHEET**

PRODUCT

GT Products® GT55 Dispersion

1. PRODUCT AND COMPANY IDENTIFICATION

**Manufactured by:**

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**Date Prepared/Revised:**  
**Chemical Type/Description:**

13 April 2004

by: MDG  
Silicone Dispersion

2. HAZARDOUS INGREDIENTS

	% (Approx.)	Exposure Limits	CAS No.
petroleum distillate	50%	varies by components but most restrictive would be: ACGIH – TLV 25 ppm TWA Supplier's Recommendation: PEL 25 ppm (TWA)	Trade Secret
alkyltriacetoxysilanes	1%-3%	none available but generates acetic acid upon hydrolysis – see information below	Trade Secret

This product forms acetic acid upon contact with water or humid air. For acetic acid the OSHA PEL:TWA 10 ppm and ACGIH TLV 10 ppm, STEL 15 ppm.

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.

<b>HMIS RATING:</b>	<b>FLAMMABILITY: 2</b>	<b>REACTIVITY: 1</b>	<b>HEALTH: 2</b>
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3. EFFECTS OF EXPOSURE

**Potential Health Effects:**

- Ingestion:** Aspiration may occur when swallowed or vomited. Serious lung damage and possibly fatal chemical pneumonia could develop.
- Skin Contact:** Slight skin irritation is expected. Contact dermatitis can occur after prolonged exposure.
- Inhalation:** Irritating if inhaled. Breathing high vapor concentrations can cause central nervous system depression resulting in dizziness, light-headedness, headache, nausea, and loss of coordination. Continued inhalation may result in unconsciousness or death.
- Eye Contact:** Vapors may irritate.

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## 4. FIRST AID MEASURES

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- Ingestion:** Do not induce vomiting. If vomiting does occur, keep head below hips to prevent aspiration of liquid into lungs. Call a physician.
- 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:** Remove to fresh air and provide oxygen if needed. Call a physician.
- Other:** Not applicable.
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## 5. FIRE FIGHTING INFORMATION

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- Flash Point (Method):** >105°F and <120°F (Setaflash).
- Flammability Class:** Combustible Liquid Class II.
- Flammability Limits in Air:** Not available.
- Extinguishing Media:** Foam, Dry Chemical, CO<sub>2</sub>. Do not use water.
- Hazardous Combustion Products** CO, CO<sub>2</sub>, SiO<sub>2</sub>, H<sub>2</sub>CO.
- Special Fire Fighting Notes:** Use a self-contained breathing apparatus and full protective equipment and clothing.
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## 6. ACCIDENTAL RELEASE MEASURES

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Turn off all ignition sources and ventilate. Pick up spilled material with an inert absorbent. Wash area thoroughly with water and detergent.

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## 7. HANDLING AND STORAGE

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- Handling:** Avoid heat, flames, or sparks. Vapors are heavier than air and can migrate to distant ignition sources. Ground containers and all transfer equipment to prevent static build up.
- Storage:** Store in a well-ventilated area at temperatures below 90°F. Keep container tightly closed. Keep headspace blanketed with dry air or nitrogen to prevent material cure. Keep from freezing.
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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Engineering Controls:** Good general ventilation.

**Personal Protective Equipment**

- Eyes:** Chemical safety glasses with side shields.
- Skin:** Rubber apron. Rubber or plastic gloves.
- Inhalation:** Local exhaust is required. Use respirator with organic vapor/acid gas (yellow) cartridges where local exhaust is insufficient..

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9. PHYSICAL AND CHEMICAL PROPERTIES

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**Physical State:** Flowable liquid.  
**Color:** Red.  
**Odor:** Solvent.  
**Boiling Point:** Not available.  
**Vapor Density:** > 1.  
**Specific Gravity:** 0.91.  
**Solubility in Water:** None – product reacts (non-violently) with water.

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10. STABILITY AND REACTIVITY

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**Chemical Stability:** Stable in the absence of moisture.  
**Hazardous Polymerization:** Will not occur.  
**Decomposition Products:** For fire conditions, see section 5. Exposure to moisture produces acetic acid [64-19-7]  
**Materials to Avoid:** Moisture and strong oxidizing agents.  
**Conditions to Avoid:** Heat and flame.

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11. TOXICOLOGICAL INFORMATION

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See section 3.

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12. ECOLOGICAL INFORMATION

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None available.

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13. DISPOSAL CONSIDERATIONS

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

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14. TRANSPORT INFORMATION

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**DOT SHIPPING NAME:** Silicone mixture, contains petroleum distillates N.O.S.  
**DOT HAZARD CLASS:** **Combustible liquid** (not regulated if container <119 gallons) when shipped **by ground** (fp>100°F) – **flammable liquid** (Fp<141°F) is shipped **by air**.  
**UN/NA Number:** UN1268 (if flammable) NA1268 if >119 gallons by ground.

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15. REGULATORY INFORMATION

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**TSCA INVENTORY STATUS:** This material or all of its contents are listed on the Toxic Substances Control Act (TSCA)

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## 16. OTHER INFORMATION

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We believe the above information is correct as of the date of this data sheet. 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.