

MATERIAL SAFETY DATA SHEET

FORM NO.: 154 SECTION I - GENERAL INFORMATION

1.1 Product Trade Name: Dentsply® Silicone Spray
 1.2 Part (Item) Number: 98929
 1.3 Chemical Name.....: N.A.
 1.4 Synonyms.....: E204 Light Duty Silicone Mold Release
 1.5 Division Name.....: DENTSPLY Trubyte
 Address.....: 570 W. College Ave.
 City, State, Zip...: York, PA 17405-0872
 1.6 Phone No. for Info.: 717-845-7511
 Dentsply
 "FOR CHEMICAL EMERGENCY"
 SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT
 CALL CHEMTREC - DAY OR NIGHT
 1.7 Emergency Phone No.: 800-424-9300 1.12 National Stock No.: N.A.
 Chemtrec 1.13 Specification No...: N.A.
 1.8 Date.....: 10/13/97 1.14 Chemical Family...:
 Silicone
 1.9 Dentsply Contact....: Scott E. Shaffer Fluid
 1.10 Signature.....: *Scott E. Shaffer* 1.15 Type/Grade/Class...: N.A.
 1.16 NRC/EPA Number.....: N.A.
 1.11 Formula.....: N.A.

SECTION II - HAZARDOUS INGREDIENTS

2.1 CAS Number	Chemical Name (Ingredients)	%	TLV	OSHA PEL
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*	Halogenated Hydrocarbon/Ether	>90%	None Est.	500 ppm
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Blend Mixture

*NJ Trade Secret Registry #80100382-5001p, all components are listed on the TSCA inventory.

SECTION III - PHYSICAL PROPERTIES

3.1 Boiling Point.....: 54°C (130°F) @ (70°F)	3.11 Specific Gravity...: 0.86 21°C
3.2 Vapor Pressure.....: 50 psig @ 21°C(70°F)	3.12 pH.....: N.A.
3.3 Vapor Density.....: >1	3.13 Evaporation Rate...: >1 (butyl acetate = 1)
3.4 Critical Temp.....: N.E.	3.14 Viscosity.....:
3.5 Decomposition Temp...: N.E.	3.15 % Volatile by Vol.: 97%
3.6 Melting/Freezing Pt.: N.A.	3.16 Magnetism.....: N.A.

3.19 Molecular Weight.: N.A.

Dentsply® Silicone Spray, Cont'd

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

- 4.1 Flash Point(Method Used): Non-flammable as determined by the Aerosol Flame Projection Test (equivalent to ASTM D 3065-77 and FHSA sec. 1500.45).
- 4.2 Flammable (Explosive) Limits:
LEL: N.D. UEL: N.D.
- 4.3 Extinguishing Media: CO₂, dry chemical, foam spray.
- 4.4 Special Fire Fighting Procedures and Equipment: Keep containers cool with water spray. Concentrated vapors can be ignited by high intensity ignition sources. Do not put out fire unless leak can be stopped immediately. Use self-contained breathing apparatus (SCBA) if product is released under fire conditions.
- 4.5 Unusual Fire and Explosion Hazards: Vapors confined in a poorly ventilated area may be ignited by a spark or flame. Containers may rupture or explode under fire conditions. Decomposition may occur.
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SECTION V - HEALTH HAZARD DATA

- 5.1 Effects of Acute and Chronic Over Exposure: Inhalation of high concentrations of vapor (above the recommended exposure limits) is harmful and may cause temporary nervous system depression with anesthetic effects such as dizziness, headache, incoordination, and loss of consciousness. Higher exposures may cause temporary alteration of the heart's electrical activity. Gross overexposure may be fatal. Skin contact with the liquid may cause freezing of the skin. Eye contact with the vapor may produce eye irritation with tearing or blurring of vision. None of the materials in this product are listed as carcinogens by IARC, NTP, OSHA or ACGIH.
- 5.2 Emergency and First Aid Procedures: If High Concentrations are Inhaled: Immediately remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In Case of Skin Contact: Wash with soap and water. Flush with water after excessive contact. Treat for frostbite if necessary. In Case of Eye Contact: Immediately flush eyes with water for at least 15 minutes. Call a physician. In Case of Ingestion: Ingestion is not considered a potential route of exposure.
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---SECTION VI - REACTIVITY DATA

- 6.1 Unstable: Stable: X
- 6.2 Conditions to Avoid (Stability): Ignition sources such as open flames, glowing metal surfaces, static discharges, or sparks.
- 6.3 Incompatibility (Materials to Avoid): Alkali or alkaline earth metals, powdered Zn, Be, etc.
- 6.4 Hazardous Decomposition Products: The components of this product may be decomposed by high temperatures (open flames, glowing metal surfaces, etc.), possibly forming hydrofluoric acids.
- 6.5 Hazardous Polymerization: May Occur: Will Not Occur: X
- 6.6 Conditions to Avoid (Polymerization): None.
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Dentsply® Silicone Spray, Cont'd

SECTION VII - SPECIAL PRECAUTIONS AND SPILL OR LEAK PROCEDURES

- 7.1 Handling and Storage Precautions: Contents under pressure. Store in a clean, dry area. Do not heat above 52°C (125°F). Store away from ignition sources. Use with adequate ventilation. Protect container against physical damage. Do not remove or deface label.
- 7.2 Other Precautions: N.A.
- 7.3 Steps to be Taken in Case Material is Released or Spilled: Avoid vapors. Evacuate area until gas has dispersed. Wear self-contained breathing apparatus (SCBA) for large spills or leaks. Eliminate all sources of ignition in the vicinity of spill or released vaport.
- 7.4 Waste Disposal Procedures: Dispose according to Federal, State, and local regulations.
- 7.5 Neutralizing Agent: N.A.

---SECTION VIII - OCCUPATIONAL PROTECTION MEASURES

- 8.1 Respiratory Protection: None generally required for normally vented situations. SCBA is required if a large spill or release occurs.
- 8.2 Ventilation: Normal ventilation for standard manufacturing procedures is generally adequate. Local exhaust should be used in areas where exposure limits may be exceeded. Mechanical ventilation should be used in low places. Use ventilation to maintain exposure below the TLV.
- 8.3 Protective Gloves: The use of lined rubber gloves is recommended if there is any possibility of prolonged or repeated liquid contact with the skin.
- 8.4 Eye Protection: The use of chemical safety glasses is recommended if there is any probability of liquid contact with the eyes.
- 8.5 Other Personal Protective Equipment: N.A.

---SECTION IX - TRANSPORTATION

- 9.1 Applicable Regulations...IMOC: IATA: 49 CFR: X
Military Air (AFR 71-4): Tariff 6D:
- 9.2 Shipping Name.....: N.A.
- 9.3 I.D. Number.....: N.A. 9.9 Unit Container.....: 16 oz.
aerosol
- 9.4 Report Quantity.....: N.A. 9.10 DOT SPSC Container: N.A.
- 9.5 Hazard Class.....: N.A. 9.11 DOT Exempt/DOD/CCN: N.A.
- 9.6 Labels.....: ORM-D 9.12 Limited Quantity...: N.A.
- 9.7 Aerosol Propellant(s): N.A.
- 9.8 Net Explosive Weight: N.A.

4095-J (1/98)