



MATERIAL SAFETY DATA SHEET

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: Dentsply® Silicone Spray
Product Number: 98929
MSDS Code Number: 154

Manufacturer: Dentsply Prosthetics
Address: 570 West College Ave.
York, PA 17405-0872
Information Telephone Number: 717-845-7511
Emergency Telephone Number: 800-424-9300 Chemtrec
Email: Prosthetics_MSDS@Dentsply.com

Product Use: Release Agent for Use in the Dental Laboratory

Date of Last Revision: August 9, 2010

SECTION 2 HAZARDS IDENTIFICATION

Emergency Overview: Contents under pressure. This product contains components that may be flammable and cause a fire hazard. Heated can may rupture. May cause eye irritation. May cause frostbite by skin contact. May be harmful if inhaled, causing dizziness, drowsiness, loss of consciousness, irregular heartbeat, and death.

EU Preparation Classification (1999/45/EC): Not applicable

SECTION 3 COMPOSITION INFORMATION ON INGREDIENTS

Ingredient	CAS No./EINECS No.	Percent	EC Substance Classification (67/548/EEC)
Halogenated hydrocarbon/ether blend	Mixture	>90	Not applicable
Silicone Polymer Blend	Proprietary	<10	Not applicable

See Section 16 for further information on EU Classification.

SECTION 4 FIRST AID MEASURES

Eye Contact: Immediately flush eyes with large quantities of water, holding the eyelids apart. Get medical attention if irritation persists.

Skin Contact: Remove contaminated clothing. Immediately wash skin thoroughly with soap and water. If rash, irritation or symptoms develop, get medical attention. Launder clothing before re-use. Treat for frostbite if necessary.

Ingestion: Ingestion is an unlikely route of exposure for aerosol products. Get immediate medical attention. Immediately call poison control center or go to a hospital emergency room. Do not induce vomiting. Never give anything by mouth to an unconscious or convulsing person.

Inhalation: Immediately remove victim to fresh air. If breathing is difficult have qualified personnel administer oxygen. If breathing has stopped, administer artificial respiration. Get immediate medical attention.

SECTION 5 FIRE FIGHTING PROCEDURES

Aerosol Flame Projection Test: Non-flammable aerosol, as determined by ASTM D3065-94. However, this product contains components which may be ignited under certain circumstances. Do not use near ignition sources such as sparks or open flames.

Extinguishing Media: Use water fog, carbon dioxide, foam or dry chemical. Use water to cool exposed containers and structures and disperse flammable vapors.

Firefighting Procedures: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Do not allow run-off from fire fighting to enter drains or water courses. Use shielding to protect from bursting cans.

Unusual Fire/Explosion Hazards: Contents under pressure. Keep away from heat and open flames. This product contains a component this is considered an extremely flammable gas. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back. Containers may rupture or explode under fire conditions.

Known or Anticipated Hazardous Products of Combustion: Hydrofluoric acid, carbonyl fluoride, carbon dioxide, carbon monoxide and oxides of siloxanes.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Evacuate spill area and keep unprotected personnel away. Remove all sources of ignition. Ventilate area. Wear appropriate protective clothing as described in Section 8. Contain and collect using inert absorbent materials and place in appropriate containers for disposal. Do not flush to sewer! Report releases as required by local, state and federal authorities.

Personal Precautions: Avoid contact with skin, eyes or clothing.

Environmental Precautions: Prevent entry into sewers and waterways. Keep away from drains, surface and groundwater.

SECTION 7 HANDLING AND STORAGE

Handling: Avoid contact with the eyes, skin and clothing. Avoid breathing vapors. Wear protective clothing and equipment as described in Section 8. Use only with adequate ventilation. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Keep product away from heat, sparks, flames and all other sources of ignition. Do not permit smoking in use or storage areas.

Storage: Store in a cool, well-ventilated area at temperatures below 120°F (48.9°C). Store away from heat, direct sunlight and all sources of ignition. Store away from oxidizers and other incompatible materials.

SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION

Occupational Exposure Limits:

Halogenated hydrocarbon/ether blend	None Established
Silicone Polymer Blend	None Established

Engineering Controls: Use with adequate local exhaust ventilation to minimize exposure levels. Use explosion proof equipment where required.

Personal Protective Equipment:

Eye Protection: Chemical safety glass or chemical splash goggles.

Skin Protection: Wear impervious gloves such as neoprene or nitrile gloves.

Respiratory Protection: None should be needed for normal use.

Other Protective Clothing or Equipment: Clothing with long sleeves may be needed when working with large quantities.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Clear colorless aerosol with a slight ethereal odor.

Boiling Point: -13.0° F (-25°C)

Melting Point: Not applicable

Freezing Point: Not applicable

Specific Gravity: 0.8

Solubility in Water: Negligible

pH: Not applicable

Vapor Pressure (mmHg): 76 mmHg @ 70°F

Vapor Density: 2.0

Evaporation Rate: 0.1-0.5 (Butyl acetate = 1)

Viscosity: Not available

% Volatile by Volume: >97%

Flashpoint: Not determined

Flammable Limits in Air:

Autoignition Temperature: Not determined

LEL: N/D

UEL: N/D

SECTION 10 STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Keep away from heat, sparks and all ignition sources. Dropping containers may cause bursting.

Incompatibility with Other Materials: Avoid alkalis, alkaline earth metals, freshly abraded aluminum surfaces, powdered metals, oxidizers, carbon monoxide, acetic acids, organic acid anhydrides.

Hazardous Decomposition Products: Thermal decomposition will generate hydrofluoric acid, carbonyl fluoride, carbon dioxide, carbon monoxide, oxides of siloxanes.

Hazardous Polymerization: Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Potential Health Effects:

Eyes: Contact may cause mild irritation with redness, tearing and stinging.

Skin: Contact with liquid may cause frostbite.

Ingestion: Ingestion is not considered a potential route of exposure.

Inhalation: Inhalation of large amounts may be harmful. Inhalation of high concentrations may cause temporary central nervous system depression with anesthetic effects such as dizziness, headache, incoordination, and loss of consciousness. Prolonged exposure to high concentrations may cause irregular heartbeat, cardiac arrest, and death.

Chronic Health Effects: None currently known.

Carcinogenicity: None of the components of this product are listed as carcinogens by OSHA, IARC, NTP, ACGIH or the EU Directives.

Medical Conditions Aggravated by Exposure: Individuals with pre-existing central nervous or cardiovascular system diseases may be at increased risk from exposure.

Acute Toxicity Data:

Halogenated hydrocarbon/ether blend

No data available

Silicone Polymer Blend

No data available

SECTION 12 ECOLOGICAL INFORMATION

No data is currently available

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose in accordance with national and local regulations.

SECTION 14 TRANSPORT INFORMATION

DOT Shipping Name: Consumer Commodity
DOT Hazard Class: ORM-D
UN Number: Not Applicable
DOT Labels Required (49CFR172.101): ORM-D

IATA Shipping Name: Aerosols
IATA Hazard Class: 2.
UN Number: UN1950
IATA Hazard Labels Required: Non-flammable Gas

IMDG Shipping Name: Aerosols
IMDG Class: 2.2
UN Number: UN1950
IMDG Label: Non-flammable Gas

SECTION 15 REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: This product is not subject to CERCLA spill reporting. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA TITLE III:

Hazard Category For Section 311/312: Sudden Release of Pressure Hazard

Section 313 Toxic Chemicals: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

Section 302 Extremely Hazardous Substances (TPQ): None

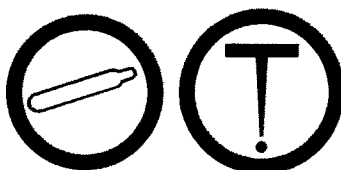
EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.

U.S. STATE REGULATIONS

California Proposition 65: this product contain the following substances known to the State of California to cause cancer or reproductive toxicity: None

INTERNATIONAL REGULATIONS:

Canadian WHMIS Classification: Class A Compressed Gas
Class D Division2B Toxic material causing other chronic effects.



Canadian WHMIS Hazard Symbols:

Canadian Environmental Protection Act: All of the components in this product are listed on the Domestic Substances List (DSL).

European Community Labeling:

S23 Do not breathe spray.
Pressurized container. Protect from sunlight and do not exposure to temperatures exceeding 50°C.
Do not pierce or burn, even after use.

European Inventory of New and Existing Chemical Substances (EINECS): All of the components in this product are listed on the EINECS inventory.

Australian Inventory of Chemical Substances: All of the components in this product are listed on the AICS for Australia.

China Inventory of Existing Chemicals and Chemical Substances: All of the components in this product are listed on the IECSC for China.

Japanese Existing and New Chemical Substances: All of the components in this product are listed on the Japanese ENCS list.

Korean Existing Chemicals List: All of the components in this product are listed on the KECL for Korea.

New Zealand Inventory of Chemicals: All of the components in this product are listed on the NZIoC for New Zealand.

Philippine Inventory of Chemicals and Chemical Substances: All of the components in this product are listed on the PICCS.

Section 16 OTHER INFORMATION

HMIS Hazard Rating:

Health – 1 Fire Hazard – 2 Reactivity – 1

EU Classes and Risk Phrases for Reference (See Sections 2 and 3):

F Flammable

R12 Extremely flammable

Revision Date: 08/09/2010

Supersedes: 03/06/2007

Revision Summary: Section 1: Added e-mail address Switched Sections 2 and 3. Section 3: Revised Emergency Overview and EU Classification. Section 2: Revised EU Classification of Components. Section 5: Unusual Fire/Explosion Hazards. Section 6: Accidental Release Measures. Section 7: Storage. Section 9: Physical/Chemical Hazards. Section 14: IATA and IMDG. Section 15: SARA 311/312, Canadian WHMIS Classification, Canadian WHMIS Symbols, EU Labeling, Chemical Inventory status for EU, Australia, China, Japan, Korea, New Zealand, Philippines. Section 16: HMIS, EU Class and Risk Phrases. Comprehensive Review