



MATERIAL SAFETY DATA SHEET

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

Product Name: Triad® Air Barrier Coating
Product Number: 95759, 95760, 89244
MSDS Code Number: 089

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

Product Use: Oxygen Barrier for Light Cured Material

Date of Last Revision: May 24, 2006

SECTION 2 COMPOSITION INFORMATION ON INGREDIENTS

Ingredient	CAS No./EINECS No.	Percent	EC Substance Classification (67/548/EEC)
Glycerin	56-81-5 / 200-289-5	1-5	Not Applicable

SECTION 3 HAZARDS IDENTIFICATION

Emergency Overview: May cause mild eye irritation.

EU Preparation Classification (1999/45/EC): Not classified a dangerous preparation.

SECTION 4 FIRST AID MEASURES

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

Skin Contact: Wash with soap and water. Remove contaminated clothing and shoes. Get medical attention if irritation develops. Launder clothing before re-use. (Discard contaminated shoes).

Ingestion: Do not induce vomiting. If conscious, give 8 ounces of water to dilute. Never give anything by mouth to an unconscious or convulsing person. Get medical attention.

Inhalation: Remove victim to fresh air. If breathing is difficult have qualified personnel administer oxygen. If breathing has stopped, administer artificial respiration. Get medical attention if irritation develops.

SECTION 5 FIRE FIGHTING PROCEDURES

Extinguishing Media: Use media appropriate to the surrounding fire. 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.

Unusual Fire/Explosion Hazards: None known.

Known or Anticipated Hazardous Products of Combustion: Carbon monoxide, carbon dioxide and aldehydes.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Evacuate spill area and keep unprotected personnel away. Ventilate area. Wear appropriate protective clothing as described in Section 8. Contain and collect using an inert absorbent material and place in appropriate containers for disposal. Rinse spill area with water. Prevent spill from entering sewers and water courses. Report releases as required by local, state and federal authorities.

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

Environmental Precautions: None known.

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 with adequate ventilation. Wash thoroughly with soap and water after handling. Keep containers closed when not in use.

Storage: Store in a cool, dry, well ventilated area away from incompatible materials. Protect from physical damage.

SECTION 8 EXPOSURE CONTROLE/PERSONAL PROTECTION

Occupational Exposure Limits:

Glycerin	5 mg/m ³ TWA PEL (respirable fraction) 10 mg/m ³ TWA TLV 10 mg/m ³ TWA UK WEL
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Engineering Controls: Use with adequate local exhaust ventilation to maintain exposures below the occupational exposure limits.

Personal Protective Equipment:

Eye Protection: Chemical safety glasses or goggles should be worn if splashing is possible.

Skin Protection: Wear impervious gloves such as rubber if needed to avoid skin contact.

Respiratory Protection: None should be needed for normal use. If the exposure limits are exceeded a NIOSH approved dust/mist respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

Other Protective Clothing or Equipment: Impervious clothing as needed to prevent contact. A safety shower and eye wash should be available in the immediate work area.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Clear to slightly cloudy liquid with no odor.

Boiling Point: 212°F (100°C)

Freezing Point: Not applicable

Solubility in Water: Complete

Vapor Pressure (mmHg): Not determined

Evaporation Rate: Not determined

% Volatile by Volume: Not available

Flammable Limits in Air: Not applicable

Decomposition Temperature: 460°F (238°C)

Specific Gravity: 1.05

pH: 5-7

Vapor Density: Not determined

Viscosity: 300 cps

Flashpoint: Not flammable

Autoignition Temperature: Not applicable

SECTION 10 STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: None known.

Incompatibility with Other Materials: Avoid oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide and aldehydes.

Hazardous Polymerization: Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Potential Health Effects:

Eyes: Vapors or liquid may cause mild irritation with redness and tearing.

Skin: No adverse effects expected.

Ingestion: Large amounts may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Excessive exposure to glycerin may cause central nervous system effects and increased blood sugar levels.

Inhalation: No adverse effects expected. High vapor concentrations may cause respiratory tract irritation.

Chronic Health Effects: No adverse effects expected under normal use. Repeated excessive exposures to glycerin may cause increased fat levels in the blood and damage to the kidney and liver.

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

Medical Conditions Aggravated by Exposure: Individuals with pre-existing skin disorders may be at increased risk from exposure.

Acute Toxicity Data:

Glycerin:

Oral Rabbit LD50 - 1960 mg/kg

Skin Rabbit LD50 - >4640 mg/kg

SECTION 12 ECOLOGICAL INFORMATION

Glycerin:

96 hr LC50 fathead minnow: 44,000 mg/L

96 hr LC50 goldfish: >5,000 mg/L

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose in accordance with national and local regulations.

SECTION 14 TRANSPORT INFORMATION

DOT Shipping Name: Not Regulated

DOT Hazard Class: N/A

UN Number: N/A

DOT Labels Required (49CFR172.101): N/A

IATA Shipping Name: Not Regulated

IATA Hazard Class: N/A

UN Number: N/A

IATA Hazard Labels Required: N/A

IMDG Shipping Name: Not Regulated

IMDG Class: N/A

UN Number: N/A

IMDG Label: N/A

SECTION 15 REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: This product is not subject to CERCLA reporting requirements. 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: Chronic health

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: ethylene oxide <0.025 ppm, 1,4 dioxane <5 ppm

INTERNATIONAL REGULATIONS:

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

Canadian WHMIS Classification: Not a controlled product.

European Community Labeling: None required

European Inventory of New and Existing Chemicals 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.

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

SECTION 16 OTHER INFORMATION

HMS Hazard Rating:

Health – 0 Fire Hazard – 0 Reactivity – 0

Revision Date: 05/24/2006

Supersedes: 04/16/1998