

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

074734539

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

074734505



# M A T E R I A L   S A F E T Y   D A T A   S H E E T

24-Hour Emergency #: (U.S.) 1-800-535-5053 / (Outside U.S.) 352-323-3500

## **SECTION I: Product & Company Identification**

Product Name: **Surgical Milk**  
Catalog Numbers: **192132, 192101**  
Manufactured by: Young Dental Manufacturing  
13705 Shoreline Court East  
Earth City, MO 63045  
1.800.325.1881

## **SECTION II: Health Hazard Information**

**Appearance:** Milky white liquid

**Signs and symptoms of exposure:**

Skin / Eye contact – itching and redness irritation  
Ingestion and inhalation – slight nausea, irritation

**Medical conditions generally aggravated by exposure and/or sensitive skin:** None

**NFPA Ratings:** Health (0); Flammability (0); Reactivity (0)

## **SECTION III: Hazardous Components**

| COMPONENT                                 | CAS #      | %     | TOXICITY DATA                 |
|---|------------|-------|-------------------------------|
| Polyoxyethylene Sorbitol Fatty Acid Ester | 59800-21-4 | 1.6%  | LD <sub>50</sub> > 31.6 g/kg  |
| Polyoxyethylene Sorbitol Hexaoleate       | 59800-21-4 | 2.2%  | LD <sub>50</sub> > 31.6 g/kg  |
| White Mineral Oil                         | 8042-47-5  | 11.8% | LD <sub>50</sub> > 5000 mg/kg |
| Sodium Benzoate                           | 532-32-1   | 3.0%  | LD <sub>50</sub> > 4100 mg/kg |

## **SECTION IV: First Aid Procedures**

**Skin Contact:** Wash affected area thoroughly with large amounts of water

**Ingestion / Inhalation:** Seek medical attention if irritation persists after a reasonable period of time.

## **SECTION V: Fire Fighting Measures**

**Flash Point:** Unknown

**Flammable Limits in Air % by Volume:** Does not support combustion

**Extinguishing Media:** Carbon Dioxide, dry chemical, water fog, or foam

**Auto-ignition Temperature; Special Fire Fighting Procedures; Unusual Fire and Explosion Hazards:** Wear self-contained breathing apparatus

## **SECTION VI: Accidental Release Measures**

**In case of spill:** Wipe up with damp towel; wash down drain with large amount of water

## **SECTION VII: Handling and Storage**

Keep container tightly sealed when not in use. Store in original container. Use appropriate personal protection when handling.

## **SECTION VIII: Personal Protection**

**Protective wear:** Goggles, gloves, laboratory jacket or apron.

**Ventilation:** No special requirements

**Respiratory Protection:** None

**Work / Hygienic Practices:** Use common sense for safety.

## **SECTION IX: Physical and Chemical Properties**

**Solubility:** Soluble in water, acetone, & Alcohol

**Boiling Point:** 212°F (100 °C)

**Specific Gravity:** 0.99

**Vapor Pressure / Density:** Unknown

**Melting Point:** Unknown

**Evaporation Rate** (Butyl Acetate = 1): Unknown

**Physical State:** Milky white liquid

## **SECTION X: Stability and Reactivity**

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

**Hazardous Decomposition Products:** Carbon monoxide upon combustion

**Conditions / Materials to Avoid:** Strong oxidants

## **SECTION XI: Toxicological Information**

N/A

## **SECTION XII: Ecological Information**

N/A

### **SECTION XIII: Disposal Considerations**

**Waste disposal method:** Drain to sewer with large amount of water.

### **SECTION XIV: Transport Information**

Not regulated

### **SECTION XV: Regulatory Information**

N/A

### **SECTION XVI: Other Information**

N/A

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# YOUNG<sup>TM</sup>

## DENTAL MANUFACTURING

### S A F E T Y   D A T A   S H E E T

#### **SECTION I: Identification**

**Product Identifier:**

**Product Name:** Surgical Milk  
**Part/Item Number:** 192132, 192101

**Recommended Use of the Substance or Mixture and Restrictions on Use:**

**Recommended Use:** Formulated to inhibit rust and lubricate all hinged instruments  
**Restrictions on Use:** For professional use only

**Details of the Supplier:**

**Manufactured by:** Young Dental Manufacturing  
13705 Shoreline Court East  
Earth City, MO 63045  
1.800.325.1881

**Emergency Phone Number:**

**Infotrac:**  
**24-Hour Number-** (U.S.) 1-800-535-5053  
**Outside U.S.-** 1-352-323-3500

#### **SECTION II: Hazard(s) Identification**

**Classification of the Substance or Mixture:**

| Health Hazard  | Physical Hazard |
|----------------|-----------------|
| Not Applicable | Not Applicable  |

**Label Elements:**

**Hazard Statement(s):** Not applicable

**Precautionary Statement(s):** Not applicable

**Other Hazards:** Not applicable

#### **SECTION III: Composition/Information on Ingredients**

**Mixture:**

| Component                                 | CAS #      | WT%  | Classification           |
|---|------------|------|--------------------------|
| Polyoxyethylene Sorbitol Fatty Acid Ester | 59800-21-4 | 1.6% | Not Applicable           |
| Polyoxyethylene Sorbitol Hexaoleate       | 59800-21-4 | 2.2% | Eye Irritant Category 2B |

|                   |           |       |                |
|-------------------|-----------|-------|----------------|
| White Mineral Oil | 8042-47-5 | 11.8% | Not Applicable |
| Sodium Benzoate   | 532-32-1  | 3.0%  | Not Applicable |

## **SECTION IV: First-Aid Measures**

### **Description of First Aid Measures:**

**Ingestion** – If a patient ingests an excessive amount, consult a physician.

**Eye contact** – If a patient or clinician experiences contact, rinse his or her eyes with water for 15 minutes.

**Skin contact** – If a patient or clinician experiences irritation, wash affected area thoroughly with large amounts of water.

**Most Important Symptoms and Effects, Acute and Delayed:** Direct contact with eyes or skin may cause itching, redness, or irritation. Ingestion may cause slight nausea or irritation.

### **Indication of Any Immediate Medical Attention and Special Treatment Needed:**

**Ingestion** – Seek medical attention if irritation persists after a reasonable period of time.

**Eye contact** - Seek medical attention if irritation persists.

**Skin contact** – Seek medical attention if irritation persists.

## **SECTION V: Firefighting Measures**

**Extinguishing media:** Use media appropriate for surrounding fire, such as water, carbon dioxide, foam, or dry chemicals.

**Special Hazards Arising from the Substance or Mixture:** Not applicable

### **Advice for Fire-Fighters:**

**Fire Fighting Procedures** - Use water to cool fire-exposed containers. Fight fire from a safe distance or protected location.

**Precautions for Fire Fighters** - Do not enter fire area without proper protection. Firefighters should wear full emergency equipment and an approved pressure self-contained breathing apparatus.

## **SECTION VI: Accidental Release Measures**

**Personal Precautions, Protective Equipment, and Emergency Procedures:** Use appropriate personal protection. There are no special requirements for ventilation.

**Methods and Materials for Containment and Cleaning Up:** Wipe up with a damp towel. Wash down a drain with a large amount of water.

## **SECTION VII: Handling and Storage**

**Precautions for Safe Handling:** Use appropriate personal protection when handling.

**Conditions for Safe Storage, Including Any Incompatibilities:** Keep container tightly sealed when not in use. Store in original container.

## **SECTION VIII: Exposure Controls/Personal Protection**

### **Control Parameters:**

| <b>Occupational Exposure Limits:</b>      |                   |   |
|---|-------------------|---|
| <b>Component</b>                          | <b>OSHA PEL</b>   | <b>ACGIH TLV</b>  |
| Polyoxyethylene Sorbitol Fatty Acid Ester | No data available | No data available   |
| Polyoxyethylene Sorbitol Hexaoleate       | No data available | No data available   |
| White Mineral Oil                         | No data available | TWA (Mist): 5 mg/m <sup>3</sup> ; STEL (Mist): 10 mg/m <sup>3</sup> |

|                 |  |                  |
|-----------------|--|------------------|
| Sodium Benzoate | None established; Nuisance dust:<br>Total - 10 mg/m <sup>3</sup> ; Respirable – 5<br>mg/m <sup>3</sup> | None established |
|-----------------|--|------------------|

**Exposure Controls:**

**Appropriate Engineering Controls** – Respiratory protection is not necessary.

**Individual Protection Measures (PPE)** - Wear protective eye wear, gloves, laboratory jacket, or apron.

## **SECTION IX: Physical and Chemical Properties**

| Information on Physical and Chemical Properties:    |  |
|---|--|
| <b>Appearance:</b>                                  | Milky white liquid                     |
| <b>Odor:</b>  | No odor                                |
| <b>Odor Threshold:</b>                              | Not applicable                         |
| <b>pH:</b>  | Not determined                         |
| <b>Melting point/freezing point:</b>                | Not determined                         |
| <b>Initial boiling point and boiling range:</b>     | 212°F (100 °C)                         |
| <b>Flash point:</b>                                 | Not determined                         |
| <b>Evaporation rate (Butyl Acetate =1):</b>         | Not determined                         |
| <b>Flammability (solid, gas):</b>                   | Not applicable                         |
| <b>Upper/lower flammability or exposure limits:</b> | Not applicable                         |
| <b>Vapor pressure:</b>                              | Not determined                         |
| <b>Vapor density (Air = 1):</b>                     | Not determined                         |
| <b>Relative density:</b>                            | Not determined                         |
| <b>Solubilit(ies):</b>                              | Soluble in water, acetone, and alcohol |
| <b>Partition coefficient: n-octano/water</b>        | Not determined                         |
| <b>Auto-ignition temperature:</b>                   | Not determined                         |
| <b>Decomposition temperature:</b>                   | Not determined                         |
| <b>Viscosity:</b>                                   | Not determined                         |
| <b>Specific gravity (Water = 1):</b>                | .99                                    |

## **SECTION X: Stability and Reactivity**

**Reactivity:** None known

**Chemical Stability:** Stable under normal storage and handling conditions

**Possibility of hazardous reactions:** Hazardous polymerization will not occur.

**Conditions to avoid:** Strong oxidants

**Incompatible materials:** Strong oxidants

**Hazardous decomposition products:** Carbon monoxide upon combustion

## **SECTION XI: Toxicological Information**

**Potential Health Effects:**

**Ingestion** - Ingestion may cause slight nausea or irritation.

**Eye Contact** – Contact with eyes may cause itching, redness, or irritation.

**Skin Contact** – May cause itching, redness, or irritation.

**Acute Toxicity Data:**

**Polyoxyethylene Sorbitol Fatty Acid Ester** – LD50 (oral rat) 31,600 mg/kg

**Polyoxyethylene Sorbitol Hexaoleate** – LD50 (oral rat) 16,000 mg/kg

**Mineral Oil** – LD 50 (oral rat) > 5,000 mg/kg

**Sodium Benzoate** – LD50 (oral rat) 4,100 mg/kg

**Carcinogenicity:** OSHA, IARC, and NTP do not list polyoxyethylene sorbitol fatty acid ester, polyoxyethylene sorbitol hexaoleate, mineral oil, or sodium benzoate as carcinogens.

**SECTION XII: Ecological Information**

**Toxicity:** Not applicable

**Persistence and Degradability:**

**Polyoxyethylene Sorbitol Fatty Acid Ester** – Biodegradable 65%

**White Mineral Oil-** White mineral oil is inherently biodegradable in water under aerobic conditions, and ultimately biodegrades by micro-organisms. The biodegradability of White Mineral Oil will necessarily be limited by its low solubility in water.

**Bio-accumulative potential:** Not applicable

**Mobility in Soil:** Not applicable

**Other Adverse Effects:** Not applicable

**SECTION XIII: Disposal Considerations**

Drain to a sewer with a large amount of water. Dispose of in accordance with all Federal, State and Local regulations.

**SECTION XIV: Transport Information**

Not regulated

**SECTION XV: Regulatory Information**

Not applicable

**SECTION XVI: Other Information**

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