

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 ₅₀ > 31.6 g/kg
Polyoxyethylene Sorbitol Hexaoleate	59800-21-4	2.2%	LD ₅₀ > 31.6 g/kg
White Mineral Oil	8042-47-5	11.8%	LD ₅₀ > 5000 mg/kg
Sodium Benzoate	532-32-1	3.0%	LD ₅₀ > 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™

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:

Occupational Exposure Limits:		
Component	OSHA PEL	ACGIH TLV
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 ³ ; STEL (Mist): 10 mg/m ³

Sodium Benzoate	None established; Nuisance dust: Total - 10 mg/m ³ ; Respirable – 5 mg/m ³	None established
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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:	
Appearance:	Milky white liquid
Odor:	No odor
Odor Threshold:	Not applicable
pH:	Not determined
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	212°F (100 °C)
Flash point:	Not determined
Evaporation rate (Butyl Acetate =1):	Not determined
Flammability (solid, gas):	Not applicable
Upper/lower flammability or exposure limits:	Not applicable
Vapor pressure:	Not determined
Vapor density (Air = 1):	Not determined
Relative density:	Not determined
Solubilit(ies):	Soluble in water, acetone, and alcohol
Partition coefficient: n-octano/water	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined
Specific gravity (Water = 1):	.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

Supersedes: 26 November 2014

Date Revised: 19 March 2015

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