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**
Product Class: **Not classified**

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):
Prevention – Wear protective eye wear, gloves, laboratory jacket or apron. Wash hands thoroughly after use.
Response – If excessive amount ingested, consult a physician. If in eyes, rinse with water for 15 minutes. If eye irritation persists, seek medical attention. If on skin, wash with large amounts of water. If skin irritation persists, seek medical attention.
Storage – Keep container tightly sealed when not in use. Store in original container.
Disposal – Dispose of in accordance with all Federal, State and Local regulations.

Other Hazards- Not applicable

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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/m3
Sodium Benzoate	None established; Nuisance dust: Total - 10 mg/m^3; Respirable – 5 mg/m^3	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:	
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 While 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: 15 March 2013
Date Revised: 26 November 2014

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