

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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