

SAFETY DATA SHEETS

This SDS packet was issued with item:

072229821

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).

072189413 072230159

MATERIAL SAFETY DATA SHEET

NAME: ORAL-B MINUTE-FOAM

CAS NO: NA

Effective Date: 10/04/2002 **Rev:** 2

A. — IDENTIFICATION

<u>Composition*</u>	<u>%</u>	Formula: Mixture	Mixture
Sodium Fluoride (7681-49-4)	2.14	Molecular Weight:	NA
Propellant	<5.	Synonyms:	NA
Isobutane (75-28-5)			
Propane (74-98-6)			
Other ingredients	Bal.		

B. — PHYSICAL DATA

Boiling Point NA °F NA °C	Melting Point 145 °F 63 °C	Freezing Point NA °F NA °C
Specific Gravity (H ₂ O=1) 0.15 (foam)	Vapor Density (air=1) NA	Vapor Pressure @ NA mm Hg
Evaporation (NA =1)	Saturation in Air (by volume@ NA °F)	Autoignition Temperature NA °F NA °C
% Volatiles NA	Solubility in Water NA	pH NA

Appearance/Odor White foam having an odor characteristic of its flavor.

Flash Point and Test Method(s) Not determined

Flammable Limits in Air (% by volume) Lower NA % Upper NA %

C. — REACTIVITY

Stability	<input checked="" type="checkbox"/> stable	<input type="checkbox"/> unstable	Polymerization	<input type="checkbox"/> may occur	<input checked="" type="checkbox"/> will not occur
<u>Conditions to Avoid</u> Extreme heat, sources of ignition			<u>Conditions to Avoid</u> Not applicable		
<u>Incompatible Materials</u> Strong oxidizers, acids			<u>Hazardous Decomposition Products</u> Thermal degradation may produce oxides of carbon and nitrogen fluorine compounds and other toxic byproducts.		

Footnotes

Contains <5% hydrocarbon propellant in a water base formula. Contents exert less than 40 psia pressure.
NA=Not available

D. — HEALTH HAZARD DATA

Occupational Exposure Limits PEL's, TLV's, etc.)

8-Hour TWA's: Fluoride - 2.5 mg/m³ (F) (OSHA/ACGIH)

Butane - 800 ppm (ACGIH)

Propane - 1000 ppm (OSHA)

These levels are not anticipated under normal use conditions.

Warning Signals

Not applicable

Routes/Effects of Exposure

1. Inhalation No adverse effects anticipated from normal use.

2. Ingestion No adverse effects anticipated from normal use. Ingestion of less than 5 mg/kg fluoride may cause gastric upset. Ingestion of between 5 and 15 mg/kg fluoride may cause nausea, vomiting, muscle weakness, and shock. Ingestion of greater than 15 mg/kg fluoride would be expected to cause all of the above symptoms. In addition, cardiac arrhythmias and circulatory collapse may occur. A container of this product contains 2.05 grams of fluoride.

3. Skin
a. Contact
No adverse effects anticipated.

b. Absorption
No adverse effects anticipated.

4. Eye Contact May cause irritation.

5. Other Not applicable

E. — ENVIRONMENTAL IMPACT

1. Applicable Regulations Ingredients listed in TSCA inventory.

2. DOT Hazard Class - Not a DOT Regulated Material

3. DOT Shipping Name - Not Applicable.

4. ICAO/IATA Classification - Not Applicable

Environmental Effects

Not applicable

F. — EXPOSURE CONTROL METHODS

Engineering Controls

None under normal use conditions.

Eye Protection

None under normal use conditions.

Skin Protection

None under normal use conditions.

Respiratory Protection

None under normal use conditions.

Other

Product is nonhazardous when used as directed. Keep out of reach of children.

G. — WORK PRACTICES

Handling and Storage

Storage of large quantities (as in a warehouse) should be in a cool area, away from ignition sources. Avoid spraying toward open flame. Contents under pressure. Do not puncture or incinerate. Do not store at temperatures above 77° F.

Normal Clean Up

Wipe up with tissue, towel, etc.

Waste Disposal Methods

Dispose of in accordance with federal, state and local regulations.

H. — EMERGENCY PROCEDURES

Steps to be taken if material is released to the environment or spilled in the work area

Not applicable

Fire and Explosion Hazard

Contains <5% hydrocarbon propellant in a water base formula. container may rocket or explode in heat of fire. Hazardous decomposition products may be released (Sec. C).

Extinguishing Media

As appropriate for surrounding fire.

Firefighting Procedures

Use self-contained breathing apparatus and full protective gear, if large quantities are involved. Cool fire-exposed containers with water spray.

I. — FIRST AID AND MEDICAL EMERGENCY PROCEDURES**Eyes**

Eyes may be washed with clear, tepid water. If irritation persists, obtain medical attention.

Skin

Rinse off with water.

Inhalation

Not applicable

Ingestion

If large amounts have been ingested, contact a physician or local poison control center.

Notes to Physician

Ingestion of greater than 15 mg/kg fluoride is potentially fatal, so immediate medical treatment is vital.

Replaces #1783

The information contained in the Material Safety Data Sheet is based on data considered to be accurate, however, no warranty is expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof.



practitioner series™

SAFETY DATA SHEET

SECTION I: Identification

Product Identifier:

Product Name: Oral-B® Minute-Foam®
Part/Item Number: 295057, 295058, 295059, 295060, 295061, 295062

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

Recommended Use: Topical anticaries preparation
Restrictions on Use: Do not swallow

Details of the Supplier:

Manufactured for: 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
Acute Toxicity Category 3	Flammable Aerosol Category 2
Eye Irritation Category 2	
Skin Irritation Category 2	

Label Elements:

Hazard Symbol:



Signal Word: Danger

Hazard Statement(s):

Flammable aerosol
Harmful if swallowed
Causes serious eye irritation

May cause respiratory irritation

Precautionary Statement(s):

Keep away from heat, sparks, open flames, and hot surfaces. No smoking.

Keep out of reach of children.

Wash hands thoroughly after handling.

Other Hazards: None

Unknown Acute Toxicity: No ingredient with unknown toxicity.

SECTION III: Composition/Information on Ingredients

Component	CAS #	WT%
Sodium Fluoride	7681-49-4/231-667-8	1-3%
Isobutane	75-28-5/200-857-2	4-12%

The exact concentration (%) is being withheld as a trade secret.

SECTION IV: First-Aid Measures

Description of First Aid Measures:

Eye contact – Flush eyes with large quantities of water for at least 15 minutes, holding the eyelids apart. Get medical attention if irritation develops or persists.

Skin contact – Wash skin with plenty of soap and water. Get medical attention if irritation develops.

Ingestion – Do not induce vomiting. If conscious, rinse out mouth with water and give copious amounts of milk, or water if milk is not available. Never give anything by mouth to an unconscious person. If symptoms persist, get immediate medical attention.

Inhalation – Move victim to fresh air. If breathing is difficult, have qualified personnel administer oxygen. Get medical attention if irritation persists.

Most Important Symptoms and Effects, Acute and Delayed: May cause eye and skin irritation. May be harmful if swallowed.

Indication of Any Immediate Medical Attention and Special Treatment Needed: Treat symptomatically.

SECTION V: Firefighting Measures

Extinguishing media: Use media appropriate for surrounding fire.

Special Hazards Arising from the Substance or Mixture: Contents under pressure. Containers may rupture or explode under fire conditions.

Advice for Fire-Fighters:

Special Protective Equipment and Precautions for Firefighters - Firefighters should wear full emergency equipment and positive pressure self-contained breathing apparatus.

Unusual Fire/Explosion Hazards – None under normal conditions of use.

Known or Anticipated Hazardous Products of Combustion – Carbon monoxide, carbon dioxide, and toxic fumes.

SECTION VI: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures: Avoid contact with eyes, skin, and clothing. Use appropriate protective equipment as described in Section 8.

Environmental Precautions: Prevent spill from entering waterways.

Methods and Materials for Containment and Cleaning Up: Wipe up or 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.

SECTION VII: Handling and Storage

Precautions for Safe Handling: Avoid contact with the eyes, skin and clothing. Wear protective clothing and equipment as described in Section 8. Avoid spraying toward open flame. Wash thoroughly with soap and water after handling. Keep containers tightly closed when not in use. Do not puncture, incinerate or expose the containers to heat. Do not reuse containers. Empty containers retain product residues that can be hazardous. Follow all safety precautions when handling empty containers.

Conditions for Safe Storage, Including Any Incompatibilities: Store at room temperature between 59°F (15°C) to 86°F (30°C). Do not expose to temperatures exceeding 40°C (104°F). Keep out of direct sunlight. Keep away from heat and ignition sources. Keep out of reach of children. Keep from freezing

SECTION VIII: Exposure Controls/Personal Protection

Control Parameters: The parameters are not provided for the product itself. They are provided for the ingredients listed below.

Occupational Exposure Limits:		
Component	TWA OSHA	TWA ACGIH
Sodium Fluoride (as fluoride)	2.5 mg/m ³	2.5 mg/m ³
Isobutane (listed as Alkane C1-4 gas)	None Established	1000 ppm

Exposure Controls:

Appropriate Engineering Controls - No special ventilation normally required. For bulk handling, use ventilation that is adequate to maintain exposure levels below the occupational exposure limits.

Individual Protection Measures (PPE) - Eye Protection: Safety glasses recommended.

Skin Protection: Wear impervious gloves. **Respiratory Protection:** None should be needed for normal use. If the exposure limits are exceeded an approved respirator with particulate cartridges or air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with applicable regulations and good industrial hygiene practice. **Other Protective Clothing or Equipment:** None needed for normal use. Impervious clothing as needed to avoid contamination of personal clothing for bulk handling.

SECTION IX: Physical and Chemical Properties

Information on Physical and Chemical Properties:	
Appearance:	White aerosol foam
Odor:	Characteristic
Odor Threshold:	Not available
pH:	5.5-6.5
Melting point/freezing point:	Not applicable/Not available
Initial boiling point and boiling range:	Not available
Flash point:	Not available
Evaporation rate (Butyl Acetate =1):	Not available
Flammability (solid, gas):	Not available
Upper/lower flammability or exposure limits:	LEL: Not available UEL: Not available
Vapor pressure:	Not available
Vapor density (Air = 1):	Not available

Relative density:	Not available
Solubility(ies):	Slightly soluble
Partition coefficient: n-octano/water	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available

SECTION X: Stability and Reactivity

Reactivity: None known

Chemical Stability: Stable

Possibility of hazardous reactions: None under normal conditions of use.

Conditions to avoid: Keep away from ignition sources, heat.

Incompatible materials: Avoid oxidizing agents and strong acids.

Hazardous decomposition products: May produce carbon monoxide, carbon dioxide and toxic fumes.

SECTION XI: Toxicological Information

Toxicological data are not available for the product itself. The data provided are for the ingredients listed below.

Potential Health Effects:

Ingestion - May cause salivation, nausea, vomiting, abdominal pain, headaches, or dizziness.

Eye Contact – Direct contact causes eye irritation

Skin Contact – Prolonged skin contact may cause irritation.

Inhalation - No adverse effects expected, under normal conditions of use.

Chronic Health Effects: Not expected under normal conditions of use. Repeated overexposure to Sodium Fluoride may cause fluorosis.

Acute Toxicity Data:

Sodium Fluoride – Oral rat LD50: 52mg/kg

Isobutane - 4hrs Inhalation rat LC50: 658 mg/L

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

Carcinogenicity: Not known to be as carcinogen or potential carcinogen by NTP (National Toxicological Program), IARC (International Agency for the Research of Cancer) or OSHA (Occupational Safety and Health Administration) or ACGIH (American Conference of Governmental Industrial Hygienists).

Mutagenicity: No data available

SECTION XII: Ecological Information

Ecological data not available for the product itself. The data provided are for the ingredients listed below

Toxicity:

Sodium Fluoride – 96 hrs. LC50 rainbow trout: 200 mg/L

Persistence and Degradability: No information available

Bio-accumulative potential: No data available

Mobility in Soil: No data available

Other Adverse Effects: No information available

SECTION XIII: Disposal Considerations

Dispose of in accordance with all Federal, State and Local regulations.

SECTION XIV: Transport Information

DOT:

Proper Shipping Name – Aerosols

Hazard Class – 2.1

UN Number – UN 1950

Packing Group – None

Packaging - See 49 CFR 173.306 for authorized specification non-bulk packagings.

Limited Quantity and Consumer Commodity Exception - See 49 CFR 173.306 for limited quantity and consumer commodity exceptions (valid until 12/31/2020). Inner packagings which do not exceed 1 L and outer packagings not exceeding 30 kg are authorized.

Hazardous Substances (RQ) – None listed

IATA/ICAO:

Proper Shipping Name – Aerosols, flammable

Hazard Class – 2.1

UN Number – UN 1950

Packing Group – None

Limited Quantity Exception – See packing instruction Y203. Up to 1 L per can and 30 kg gross weight maximum per package. Combination packages are required.

Consumer Commodity Exception - See Packing Instruction Y963. If inner packages are not more than 500 mL and material is packaged for consumer use, it may be reclassified as ID8000, Consumer Commodity, Class 9. Gross weight is 30 kg.

Passenger Aircraft Limitation - See Packing Instruction 203. Up to 1 L maximum quantity per inner package (depending on inner package used) and 75 kg maximum net quantity per package. Combination packages are required. UN boxes must meet PG II performance standard.

Cargo Aircraft Limitation - See Packing Instruction 203. Up to 1 L maximum quantity per inner package (depending on inner package used) and 150 kg maximum net quantity per package. Combination packages are required. UN boxes must meet PG II performance standard.

IMDG/IMO:

Proper Shipping Name – Aerosols

Hazard Class – 2.1

UN Number – UN 1950

Packing Group – None

SECTION XV: Regulatory Information

US Federal Regulations:

SARA TITLE III:

Hazard Category for Section 311/312 – Acute Health, Fire Hazard

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 at or above reportable quantity.

Section 302 extremely hazardous Substances (TPQ) - None at or above reportable quantity

EPA Toxic Substances Control Act (TSCA) Status - This product is regulated by the Food and Drug Administration; and not subject to chemical notification requirements.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

SECTION XVI: Other Information

Risk phrases used in Section 2: Not applicable

Issue Date: 12 May 2015

The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, Young Dental Manufacturing makes no recommendation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for particular purpose.

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