



SAFETY DATA SHEET

Document Number: 801358

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SECTION 1 – PRODUCT IDENTIFICATION

Product Name: NUPRO® Shimmer™ Polishing Paste for Dental Restorations with Fluoride

Product Identifier (Par/Item Number): 801350, 801351

UN Number: N/A

UN Dangerous Goods Classification: None

Product Use: Polishing paste for dental restorations

Restrictions on Use: Do not use on persons hypersensitive to fluoride or other formula ingredients

Manufacturer/Supplier: DENTSPLY Professional

Manufacturer/Supplier Address: 1301 Smile Way, York, PA 17404

Product Information Telephone Number: 1-800-989-8826 or 717-767-8502

Transit Emergency Contact Telephone Number: 800-424-9300 Chemtrec

Email Address: ProfessionalMSDS@dentsply.com

SECTION 2 – HAZARDS IDENTIFICATION

Emergency Overview: May cause eye irritation. Prolonged skin contact may cause irritation. May be harmful if swallowed.

EU Preparation Classification (1999/45/EC): Not a dangerous preparation.

SECTION 3 – COMPOSITION INFORMATION ON INGREDIENTS

Ingredient	CAS No./EINECS No.	Percent	EC Substance Classification (67/548/EEC)
Aluminum Oxide	1344-28-1 / 215-691-6	30-50	Not applicable
Sodium Silicate	1344-09-8 / 215-687-4	1-10	Xi R36/37/38
Glycerin	56-81-5 / 200-289-5	40-60	Not applicable
Sodium Fluoride	7681-49-4 / 231-667-8	<3	T R25, R36/38, R32
Flavoring	Proprietary	1-5	Not applicable

See Section 16 for further information on EU Classification.

SECTION 4 – FIRST AID MEASURES

Eye Contact: Immediately flush victim's 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 soap and plenty of water. Remove contaminated clothing. Get medical attention if irritation develops. Launder clothing before re-use.

Ingestion: Do not induce vomiting. If conscious, give 8 ounces of water to dilute. Never give anything by mouth to an unconscious or convulsing person. Get medical attention.

Inhalation: Remove to fresh air.

NUPRO® Shimmer Polishing Paste for Dental Restorations with Fluoride
09/24/10

SECTION 5 – FIRE FIGHTING PROCEDURES

Extinguishing Media: Use foam, carbon dioxide or dry chemical. Cool fire exposed containers and structures with water.

Firefighting Procedures: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus.

Unusual Fire/Explosion Hazards: None known.

Known or Anticipated Hazardous Products of Combustion: Oxides of carbon and sodium.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Evacuate spill area and keep unprotected personnel away. Ventilate area. Wear appropriate protective clothing as described in Section 8. Wipe up with an 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 7 – HANDLING AND STORAGE

Handling: Avoid contact with the eyes and prolonged contact with skin. Wear protective clothing and equipment as described in Section 8. Wash thoroughly with soap and water after handling. Keep containers closed when not in use.

Do not reuse containers. Empty containers retaining product residues can be hazardous. Follow all MSDS precautions when handling empty containers.

Storage: Store in a cool, dry, well ventilated area away from heat and incompatible materials. Protect from physical damage.

SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION

Occupational Exposure Limits:

Aluminum Oxide	5 mg/m ³ (respirable fraction) TWA OSHA PEL 1 mg/m ³ (respirable fraction) (as aluminum metal) TWA ACGIH TLV 4 mg/m ³ (inhalable dust) TWA DFG MAK 10 mg/m ³ (inhalable); 4 mg/m ³ (respirable dust) TWA UK WEL
Sodium Silicates	None Established
Glycerin	5 mg/m ³ TWA PEL (respirable fraction) 10 mg/m ³ TWA ACGIH TLV 10 mg/m ³ TWA UK WEL 50 mg/m ³ TWA DFG MAK (inhalable)
Sodium Fluoride (as Fluoride)	2.5 mg/m ³ ACGIH TLV TWA 2.5 mg/m ³ OSHA PEL TWA 2.5 mg/m ³ TWA EU IOEL 1 mg/m ³ (Inhalable, skin) DFG MAK 2.5 mg/m ³ TWA UK OEL

Engineering Controls: Use with adequate local exhaust ventilation to maintain exposures below the occupational exposure limits.

Personal Protective Equipment:

Eye Protection: Chemical safety goggles should be worn where splashing is possible.

Skin Protection: Wear impervious gloves such as butyl rubber or neoprene if needed to avoid skin contact.

NUPRO® Shimmer Polishing Paste for Dental Restorations with Fluoride
09/24/10

Respiratory Protection: None should be needed for normal use. If the exposure limits are exceeded, a NIOSH approved respirator with dust/mist cartridges or supplied 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: Impervious clothing as needed to prevent contact. A safety shower and eye wash should be available in the immediate work area.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: White paste with a mint flavor.

Boiling Point: Not available

Freezing Point: Not available

Solubility in Water: Partially soluble

Vapor Pressure (mmHg): Not available

Evaporation Rate: (butyl acetate=1) Not available

% Volatile by Volume: Not available

Flammable Limits in Air:

LEL: Not available

UEL: Not available

Melting Point: Not applicable

Specific Gravity: 1.9 g/cm³

pH: 9-10

Vapor Density: Not available

Viscosity: Not applicable

Flashpoint: 309°F / 154°C (similar material)

Autoignition Temperature: Not applicable

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Avoid temperatures above 122°F (50°C).

Incompatibility with Other Materials: Avoid oxidizing agents.

Hazardous Decomposition Products: Thermal decomposition may produce carbon and sodium oxides.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None known.

SECTION 11 – TOXICOLOGICAL INFORMATION

Potential Health Effects:

Eyes: Direct contact may cause irritation with redness and tearing. Rubbing the eye may cause mechanical irritation.

Skin: May cause mild irritation. Rubbing the skin may cause mechanical irritation. Prolonged exposure may cause dryness and irritation.

Ingestion: Swallowing small amounts may cause irritation of the mouth and throat, salivation, nausea, vomiting. Large amounts may cause abdominal pain, weakness, tremor, spasm, or convulsions. Death may occur from respiratory paralysis.

Inhalation: Not an expected route of exposure.

Chronic Health Effects: Prolonged overexposure may cause skin drying and irritation. Prolonged over exposure to sodium fluorides may cause fluorosis with symptoms of joint pain, limited mobility, brittle bones, calcification of ligaments, bone and teeth abnormalities and mottled tooth enamel. Sodium fluoride has been shown to cause reproductive effects and birth defects studies with in laboratory animals.

Carcinogenicity: None of the components of this product are listed as carcinogens by OSHA, IARC, NTP, ACGIH or the European Substance Directive.

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

Acute Toxicity Data:

Aluminum Oxide:

No toxicity data available

Sodium Silicate:

Oral Rabbit LD50 - 12600 mg/kg

Inhalation Rat LC50 - >570 mg/m³/1 hour

Skin Rabbit LD50 - >10 gm/kg

Glycerin:

Oral Rabbit LD50 - 1960 mg/kg

Skin Rabbit LD50 - >4640 mg/kg

Sodium Fluoride

Oral Rabbit LD50 - 320 mg/kg

NUPRO® Shimmer Polishing Paste for Dental Restorations with Fluoride
09/24/10**SECTION 12 – ECOLOGICAL INFORMATION**

Glycerin: 96 hr LC50 goldfish: >5,000 mg/L
Sodium Fluoride: 96 hr LC50 rainbow trout 317 ppm
48 hr EC50 daphnia magna 352 mg/kg

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose in accordance with national and local regulations.

SECTION 14 – TRANSPORT INFORMATION

DOT Shipping Name: Not Regulated
DOT Hazard Class: N/A
UN Number: N/A
DOT Labels Required (49CFR172.101): N/A

IATA Shipping Name: Not Regulated
IATA Hazard Class: N/A
UN Number: N/A
IATA Hazard Labels Required: N/A

IMDG Shipping Name: Not Regulated
IMDG Class: N/A
UN Number: N/A
IMDG Label: N/A

SECTION 15 – REGULATORY INFORMATION**U.S. FEDERAL REGULATIONS:**

CERCLA 103 Reportable Quantity: This product has a Reportable Quantity (RQ) of 33,333 lbs. based on the RQ for Sodium Fluoride of 1,000 lbs. Releases above the RQ must be reported to the National Response Center. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA TITLE III:
Hazard Category for Section 311/312: Acute Health

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.

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: This product is a medical device and not subject to chemical notification requirements.

U.S. STATE REGULATIONS:

California Proposition 65: This product contain the following substances known to the State of California to cause cancer: None.

NUPRO® Shimmer Polishing Paste for Dental Restorations with Fluoride
09/24/10

INTERNATIONAL REGULATIONS:

Canadian Environmental Protection Act: This product is a medical device and not subject to chemical notification requirements.

Canadian WHMIS Classification: Medical devices are not subject to WHMIS.

European Community Labeling: None required

European Inventory of New and Existing Chemicals Substances (EINECS): This product is a medical device and not subject to chemical notification requirements.

Australian Inventory of Chemical Substances: This product is a medical device and not subject to chemical notification requirements.

China Inventory of Existing Chemicals and Chemical Substances: This product is a medical device and not subject to chemical notification requirements.

Japanese Existing and New Chemical Substances: This product is a medical device and not subject to chemical notification requirements.

Korean Existing Chemicals List: This product is a medical device and not subject to chemical notification requirements.

Philippine Inventory of Chemicals and Chemical Substances: This product is a medical device and not subject to chemical notification requirements.

SECTION 16 – OTHER INFORMATIONHMIS Hazard Rating:

Health –1 Flammability – 1 Physical Hazard – 0

EU Classes and Risk Phrases for Reference (See Sections 2 and 3):

T Toxic

Xi Irritant

R25 Toxic if swallowed.

R32 Contact with acids liberates very toxic gas.

R36/37/38 Irritating to eyes, respiratory system and skin.

R36/38 Irritating to eyes and skin.

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