



SAFETY DATA SHEET

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SECTION 1 – PRODUCT IDENTIFICATION

Product Name: NUPRO® White Gold® In-Office Tooth Whitener
Product Identifier (Par/Item Number): 614055

UN Number: **Phase A:** UN2014 **Phase B:** UN1824

UN Dangerous Goods Classification:

Phase A: DOT Hazard Class: 5.1 (8), PGII, IATA Hazard Class: 5.1 (8), Forbidden by air,
IMDG Class: 5.1 (8), PGII

Phase B: DOT Hazard Class: 8, PGII, IATA Hazard Class: 8, PGII, IMDG Class: 8, PGII

Product Use: Tooth Whitening Treatment

Restrictions on Use: Do not use on persons hypersensitive to hydrogen peroxide 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: Corrosive. Oxidizer. Causes severe eye irritation or damage. May cause skin irritation or burns. Prolonged skin contact may bleach the skin. Inhalation of vapors may cause irritation of respiratory tract. Harmful if swallowed. Contact with Phase A with combustible materials may cause fire.

EU Preparation Classification (1999/45/EC):

Phase A: Harmful (Xn), Irritant (Xi) R22, R37/38, R41

Phase B: C, R34

SECTION 3 – COMPOSITION INFORMATION ON INGREDIENTS

Part A

Ingredient	CAS No./EINECS No.	Percent	EC Substance Classification (67/548/EEC)
Hydrogen Peroxide	7722-84-1 / 231-765-0	45	C, O, Xn R5, R8, R20/22, R35

Part B

Ingredient	CAS No./EINECS No.	Percent	EC Substance Classification (67/548/EEC)
Glycerin	56-81-5 / 200-289-5	80-90%	Not Applicable
Sodium Hydroxide	1310-00-1 / 215-185-5	<5%	C, R34

See Section 16 for further information on EU Classification.

SECTION 4 – FIRST AID MEASURES

Eye Contact: Flush eyes with water for at least 30 minutes, holding the eyelids apart. Get immediate medical attention.

Skin Contact: Immediately rinse skin with water for 15 minutes while removing contaminated clothing. Wash exposed skin with soap and water. Get medical attention. 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 immediate medical attention.

Inhalation: Remove victim to fresh air. If breathing is difficult, have qualified personnel administer oxygen. Get immediate medical attention.

SECTION 5 – FIRE FIGHTING PROCEDURES

Extinguishing Media: Use water to extinguish fire. Cool fire exposed containers and structures with water.

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

Unusual Fire/Explosion Hazards: Oxidizer. On decomposition, product will release oxygen which may intensify the fire. If the product is allowed to contact an organic material such as paper or fabric, it can cause the material to ignite and result in a fire. Contact with flammable and combustible material may cause and explosion.

Known or Anticipated Hazardous Products of Combustion: Carbon monoxide, carbon dioxide, oxygen and water.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Wear appropriate protective clothing as described in Section 8. 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 7 – HANDLING AND STORAGE

Handling: Avoid contact with the eyes, skin and clothing. Avoid breathing vapors. Wear protective clothing and equipment as described in Section 8. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Keep away from flammable and combustible materials.

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. Avoid exposure to light. Recommended storage is refrigeration.

SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION

Occupational Exposure Limits:

Hydrogen Peroxide	1 ppm TWA OSHA PEL 1 ppm TWA ACGIH TLV 0.5 ppm TWA DFG MAK 1 ppm TWA UK WEL, 2 ppm STEL
Glycerin	5 mg/m3 TWA OSHA PEL (respirable fraction) 10 mg/m3 TWA ACGIH TLV 10 mg/m3 TWA UK WEL 50 mg/m3 TWA DFG MAK (inhalable fraction)

Sodium Hydroxide	2 mg/m3 TWA OSHA PEL 2 mg/m3 Ceiling ACGIH TLV 2 mg/m3 Ceiling UK WEL
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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 natural rubber.

Respiratory Protection: None required under normal use conditions. If the exposure limits are exceeded, an approved 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 avoid contamination of personal clothing.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Part A

Appearance and Odor: Colorless liquid, pungent odor.

Part B

Appearance and Odor: Green liquid, characteristic odor.

Product

Boiling Point: Not available

Freezing Point: Not available

Solubility in Water: 100%

Vapor Pressure (mmHg): Not available

Evaporation Rate: Not available

% Volatile by Volume: Not available

Flammable Limits in Air: Not available

Melting Point: Not available

Specific Gravity: 1.15

pH: Phase A: <4 Phase B: >13

Vapor Density: Not available

Viscosity: Not available

Flashpoint: Not flammable

Autoignition Temperature: Not available

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Avoid excessive heat.

Incompatibility with Other Materials: Avoid acid, bases, metal powders, reducing agents and combustible materials.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, oxygen and water.

Hazardous Polymerization: Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Potential Health Effects:

Eyes: Causes severe irritation or burns with redness, pain and tearing. Corneal damage is likely.

Skin: May cause irritation or burns. May cause bleaching of the skin.

Ingestion: Swallowing large amounts may cause gastrointestinal irritation or burns, stomach distention, nausea, vomiting and diarrhea. Exposure to excessive amounts of glycerin has been shown to cause central nervous system effects and increased blood sugar levels.

Inhalation: Inhalation of vapors may cause irritation to the nose, throat and upper respiratory tract. Large vapor concentrations may cause lung edema.

Chronic Health Effects: Repeated excessive levels of glycerin have been shown to cause kidney, liver and gastrointestinal effects in studies with laboratory animals.

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

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

Acute Toxicity Data:

Hydrogen Peroxide:	Oral rat LD50 >225 mg/kg; Skin rabbit >6.5 g/kg; Inhalation rat LC50 >0.17 mg/L
Glycerin:	Oral Rat LD50 – 17,000-27,200 mg/kg; Skin Rabbit LD50 - >10,000 mg/kg
Sodium Hydroxide:	No data available

SECTION 12 – ECOLOGICAL INFORMATION

Hydrogen Peroxide:	No data available
Glycerin:	96 hr LC50 fathead minnow: 44,000 mg/L 96 hr LC50 goldfish: >5,000 mg/L
Sodium Hydroxide:	96 hr. LC50 mosquito fish 125 mg/L; 48 hr LC50 brown shrimp 30-100 mg /L

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose in accordance with national and local regulations.

SECTION 14 – TRANSPORT INFORMATION

Phase A

DOT Shipping Name: Hydrogen Peroxide Solution
DOT Hazard Class: 5.1 (8), PGII
UN Number: UN2014
DOT Labels Required (49CFR172.101): Oxidizer, Corrosive

IATA Shipping Name: Hydrogen Peroxide Solution
IATA Hazard Class: 5.1 (8)
UN Number: UN2014
Forbidden by air.

IMDG Shipping Name: Hydrogen Peroxide Solution
IMDG Class: 5.1 (8), PGII
UN Number: UN2014
IMDG Label: Oxidizer, Corrosive

Phase B

DOT Shipping Name: Sodium Hydroxide Solution
DOT Hazard Class: 8, PGII
UN Number: UN1824
DOT Labels Required (49CFR172.101): Corrosive

IATA Shipping Name: Sodium Hydroxide Solution
IATA Hazard Class: 8, PGII
UN Number: UN1824
IATA Hazard Labels Required: Corrosive

IMDG Shipping Name: Sodium Hydroxide Solution
IMDG Class: 8, PGII
UN Number: UN1824
IMDG Label: Corrosive

SECTION 15 – REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: This product has a Reportable Quantity (RQ) of 20,000 lbs. based on the RQ for Sodium Hydroxide 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, Chronic 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.

Section 302 Extremely Hazardous Substances (TPQ): Hydrogen Peroxide

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.

U.S. STATE REGULATIONS:

California Proposition 65: This product contains the following chemicals known to the State of California to cause cancer, birth defects or other reproductive harm: None.

INTERNATIONAL REGULATIONS:

Canadian WHMIS Classification: Cosmetics are not subject to WHMIS.

European Community Labeling: Hydrogen Peroxide.



Harmful

R22 Harmful if swallowed.
R37/38 Irritating to respiratory system and skin.
R41 Risk of serious damage to eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S46 If swallowed, seek medical advice immediately and show this container or label.
S36/37 Wear suitable protective clothing and gloves.
S51 Use only in well-ventilated areas.
S35 This material and its container must be disposed of in a safe way.

SECTION 16 – OTHER INFORMATION

HMIS Hazard Rating:

Health –3 Fire Hazard – 0 Reactivity – 2

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

C Corrosive
O Oxidizer
Xi Irritant
Xn Harmful
R5 Heating may cause an explosion.
R8 Contact with combustible material may cause fire.
R20/22 Harmful by inhalation and if swallowed.
R22 Harmful if swallowed.
R34 Causes burns.
R35 Causes severe burns.
R37/38 Irritating to respiratory system and skin.
R41 Risk of serious damage to eyes.