



Safety Data Sheet

according to WHS Regulations

Date of issue: 04.03.2025

Revision: 04.03.2025

1 Identification

- **Other means of identification**
- **Trade name:** Ultrapro™ Tx Prophy Paste - Pure
- **Article number:** SDS 339-001.05R01, 8325
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Dental cleaning and polishing. Dental Prophylaxis treatment.
- **Uses advised against** Do not swallow. For use by dental professional only.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Manufactured by Young Innovations, Inc. for:
Ultradent Products, Inc.
505 W. Ultradent Drive (10200 S)
South Jordan, UT 84095-3942
USA
onlineordersupport@ultradent.com

Ultradent Australia Pty Ltd.
Level 22/2 Market Street
Sydney NSW 2000
Australia
Email: info.anz@ultradent.com
Toll Free: 1-800-290929
- **Further information obtainable from:** Customer Service
- **Emergency telephone number:**
CHEMTREC (NORTH AMERICA) : (800) 424-9300
(INTERNATIONAL) : +(703) 527-3887

2 Hazard(s) Identification

- **Classification of the substance or mixture**



- **Acute toxicity - oral** – Category 4 H302 Harmful if swallowed.
- **Additional information:** Direct contact may cause eye irritation.

- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms** GHS07
- **Signal word** Warning
- **Hazard-determining components of labelling:**
Sodium Silicate Solution (1-5 %)
Sodium Fluoride (1-3 %)
Phosphoric Acid (1-3 %)
- **Hazard statements**
H302 Harmful if swallowed.
- **Precautionary statements**
P101 If medical advice is needed, have product container or label at hand.

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- P102 Keep out of reach of children.
 P103 Read label before use.
 P264 Wash thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
 P330 Rinse mouth.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition and Information on Ingredients

- **Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

56-81-5	Glycerin	25-45%
	⚠ Eye damage/irritation – Category 2A, H319	
1344-09-8	Sodium Silicate Solution	1-5%
	⚠ Acute toxicity - inhalation – Category 3, H331; ⚠ Skin corrosion/irritation – Category 1A, H314; ⚠ Eye damage/irritation – Category 1, H318; ⚠ Acute toxicity - oral – Category 4, H302; ⚠ Specific target organ toxicity (single exposure) – Category 3, H335	
7664-38-2	Phosphoric Acid	1-3%
	⚠ Corrosive to metals – Category 1, H290; ⚠ Skin corrosion/irritation – Category 1B, H314; ⚠ Eye damage/irritation – Category 1, H318; ⚠ Acute toxicity - oral – Category 4, H302	
7681-49-4	Sodium Fluoride	1-3%
	⚠ Acute toxicity - oral – Category 3, H301; ⚠ Acute toxicity - dermal – Category 2, H310; ⚠ Skin corrosion/irritation – Category 2, H315; ⚠ Eye damage/irritation – Category 2A, H319	

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

4 First Aid Measures

· **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:**

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

· **After skin contact:** Wash skin with plenty of soap and water. Get medical attention if irritation develops.

· **After 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.

· **After swallowing:**

Do NOT induce vomiting.

If conscious, rinse out mouth with water and give copious amount 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.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

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5 Fire Fighting Measures

- **Suitable extinguishing agents:**
Use media appropriate for surrounding fire. Use water spray to cool containers.
Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters:**
Firefighters should wear full emergency equipment and positive pressure self-contained breathing apparatus.
- **Protective equipment:** No special measures required.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to section 13.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and Storage

- **Handling:**
- **Precautions for safe handling:**
Avoid contact with the eyes and prolonged skin contact. Wear protective clothing and equipment as described in section 8. Wash thoroughly with soap and water after handling.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool, dry, well-ventilated area. Do not store above 25 Celsius. Keep out of direct sunlight.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls and personal protection

- **Appropriate engineering controls** No further data; see section 7.
- **Ingredients with limit values that require monitoring at the workplace:**

56-81-5 Glycerin

TWA Short-term value: 10 mg/m³WES Long-term value: 10 mg/m³
inhalable dust

7664-38-2 Phosphoric Acid

WES Short-term value: 3 mg/m³Long-term value: 1 mg/m³

7681-49-4 Sodium Fluoride

WES Long-term value: 2.5 mg/m³
as F

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- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
- **Respiratory protection:**
None should be needed for normal use. If the exposure limits are exceeded an approved respirator with particulate 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.
- **Protection of hands:** Not required.
- **Material of gloves**
Wear impervious gloves such as natural rubber if needed to for bulk handling.
The selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses
- **Body protection:**
None needed for normal use. Impervious clothing as needed to avoid contamination of personal clothing for bulk handling.

9 Physical and Chemical Properties

- **General Information**
- **Appearance:**
- **Form:** Paste
- **Colour:** Various
- **Odour:** Characteristic
- **Odour threshold:** Not determined.
- **pH-value at 20 °C:** 4-7
- **Change in condition**
- **Melting point/freezing point:** Undetermined.
- **Initial boiling point and boiling range:** Undetermined.
- **Flash point:** Not applicable.
- **Flammability** Not determined.
- **Decomposition temperature:** Not determined.
- **Ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product does not present an explosion hazard.
- **Explosion limits:**
- **Lower:** Not determined.
- **Upper:** Not determined.
- **Vapour pressure:** Not applicable.
- **Density:** Not determined.
- **Relative density** Not determined.
- **Vapour density** Not applicable.
- **Evaporation rate** Not applicable.

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- **Solubility in / Miscibility with**
- **water:** Insoluble.
- **Partition coefficient: n-octanol/water:** Not determined.
- **Viscosity:**
- **Dynamic:** Not applicable.
- **Kinematic:** Not applicable.
- **Other information**
- **Particle characteristics** Not determined.
- **Physical state** Solid

10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability** Stable under normal temperatures and pressures.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:**
Strong Acids
Oxidizing agents
- **Hazardous decomposition products:** May produce carbon monoxide, carbon dioxide and toxic fumes.

11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity** Harmful if swallowed.
- **LD/LC50 values relevant for classification:**

ATE (Acute Toxicity Estimates)

Oral	LD50	1,558-4,809 mg/kg
Dermal	LD50	5,833-17,500 mg/kg
Inhalative	LC50/4 h	41.2-206 mg/l (rat)

56-81-5 Glycerin

Oral	LD50	7,750 mg/kg (guinea pig)
		4,100 mg/kg (mouse)
		5,570 mg/kg (rat)
		27,000 mg/kg (rabbit)
Dermal	LC50 Fish	>5,000 mg/l (Fish)
	LD50	>21,900 mg/kg (rat)
Inhalative	LC50/4 h	10,000 mg/kg (rabbit)
		>0.1425 mg/l (rat)

1344-09-8 Sodium Silicate Solution

Oral	LD50	1,100 mg/kg (mouse)
		3,400 mg/kg (rat)
Dermal	LC50 Fish	1,108 mg/l (Fish)
	LD50	>5,000 mg/kg (rat)

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Inhalative	LC50/4 h	2.06 mg/l (rat)
7664-38-2 Phosphoric Acid		
Oral	LD50	1,530 mg/kg (rat)
Dermal	LD50	2,740 mg/kg (rabbit)
Inhalative	LC50/4 h	0.42225 mg/l (rabbit)
7681-49-4 Sodium Fluoride		
Oral	LD50	52 mg/kg (mouse)
	LC50 Fish (static)	17 mg/l (Fish)
Dermal	LD50	175 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

12 Ecological Information

- **Toxicity**

· Aquatic toxicity:	
56-81-5 Glycerin	
EC50	>10,000 mg/kg (Bacteria)
1344-09-8 Sodium Silicate Solution	
EC50	1,700 mg/l (daphnia)
7681-49-4 Sodium Fluoride	
EC50	272 mg/kg (Algae)
	98 mg/kg (daphnia)
Algae Toxicity (static)	7 mg/l (Algae)

- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
- *Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water*
- *Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.*
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Dispose of contents/container in accordance with international, federal, state, and local regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· UN-Number	
· ADG, IMDG, IATA	not regulated
· UN proper shipping name	
· ADG, ADN, IMDG, IATA	not regulated
· Transport hazard class(es)	
· ADG, ADN, IMDG, IATA	
· Class	not regulated
· Packing group	
· ADG, IMDG, IATA	not regulated
· Environmental hazards:	Not applicable.
· Special precautions for user	Not Applicable
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· UN "Model Regulation":	not regulated

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture	
· NIOSH-Ca (National Institute for Occupational Safety and Health)	None of the ingredients is listed.
· Australian Inventory of Industrial Chemicals	All ingredients are listed.
· Standard for the Uniform Scheduling of Medicines and Poisons	
7664-38-2 Phosphoric Acid	S5, S6
· Australia: Priority Existing Chemicals	None of the ingredients is listed.
· Directive 2012/18/EU	
· Named dangerous substances - ANNEX I None of the ingredients is listed.	
· Chemical safety assessment: A chemical safety assessment has not been carried out.	

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16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases from Section 3**

H290 May be corrosive to metals.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H310 Fatal in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H335 May cause respiratory irritation.

· **Department issuing SDS: Environmental, Health, and Safety**

· **Contact: Customer Service**

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

Corrosive to metals – Category 1: Corrosive to metals – Category 1

Acute toxicity - oral – Category 4: Acute toxicity – Category 4

Acute toxicity - dermal – Category 2: Acute toxicity – Category 2

Acute toxicity - inhalation – Category 3: Acute toxicity – Category 3

Skin corrosion/irritation – Category 1A: Skin corrosion/irritation – Category 1A

Skin corrosion/irritation – Category 1B: Skin corrosion/irritation – Category 1B

Skin corrosion/irritation – Category 2: Skin corrosion/irritation – Category 2

Eye damage/irritation – Category 1: Serious eye damage/eye irritation – Category 1

Eye damage/irritation – Category 2A: Serious eye damage/eye irritation – Category 2A

Specific target organ toxicity (single exposure) – Category 3: Specific target organ toxicity (single exposure) – Category 3

· *** Data compared to the previous version altered.**