



Safety data sheet according to UK REACH

Printing date 04.03.2025

Version number 1

Revision: 04.03.2025

1 Identification of the substance/mixture and of the company/undertaking

· **Product identifier**

· **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

EC Responsible Person

Ultradent Products GmbH

Am Westhover Berg 30

51149 Cologne Germany

Email: infoDE@ultradent.com

Emergency Phone: +49(0)2203-35-92-0

· **Further information obtainable from:** Customer Service

· **Emergency telephone number:**

CHEMTREC (NORTH AMERICA) : (800) 424-9300

(INTERNATIONAL) : +(703) 527-3887

2 Hazards identification

· **Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**



Acute Tox. 4 H302 Harmful if swallowed.

· **Additional information:** Direct contact may cause eye irritation.

· **Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the GB CLP regulation.

· **Hazard pictograms** GHS07

· **Signal word** Warning

· **Hazard-determining components of labelling:**

Sodium Silicate Solution

Sodium Fluoride

Phosphoric Acid

· **Hazard statements**

H302 Harmful if swallowed.

(Contd. on page 2)

Safety data sheet

according to UK REACH

Printing date 04.03.2025

Version number 1

Revision: 04.03.2025

Trade name: Ultrapro™ Tx Prophy Paste - Pure

(Contd. of page 1)

· Precautionary statements

- P101 *If medical advice is needed, have product container or label at hand.*
 P102 *Keep out of reach of children.*
 P103 *Read carefully and follow all instructions.*
 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/information on ingredients

· Mixtures
· Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:

CAS: 56-81-5 EINECS: 200-289-5	Glycerin substance with a Community workplace exposure limit	25-45%
CAS: 1344-09-8 EINECS: 215-687-4	Sodium Silicate Solution ⚠ Acute Tox. 3, H331; ⚠ Skin Corr. 1A, H314; Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; STOT SE 3, H335	1-5%
CAS: 7664-38-2 EINECS: 231-633-2	Phosphoric Acid ⚠ Met. Corr.1, H290; Skin Corr. 1B, H314; Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302 Specific concentration limits: Skin Corr. 1B; H314: C ≥ 25 % Skin Irrit. 2; H315: 10 % ≤ C < 25 % Eye Irrit. 2; H319: 10 % ≤ C < 25 %	1-3%
CAS: 7681-49-4 EINECS: 231-667-8	Sodium Fluoride ⚠ Acute Tox. 3, H301; Acute Tox. 2, H310; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319, EUH032	1-3%

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

4 First aid measures

· Description of 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.

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

(Contd. on page 3)

Safety data sheet

according to UK REACH

Printing date 04.03.2025

Version number 1

Revision: 04.03.2025

Trade name: Ultrapro™ Tx Prophy Paste - Pure

(Contd. of page 2)

- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **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

- **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.
- **Conditions for safe storage, including any incompatibilities**
- **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/personal protection

- **Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

56-81-5 Glycerin

WEL Long-term value: 10 mg/m³

7664-38-2 Phosphoric Acid

WEL Short-term value: 2 mg/m³

Long-term value: 1 mg/m³

(Contd. on page 4)

Safety data sheet according to UK REACH

Printing date 04.03.2025

Version number 1

Revision: 04.03.2025

Trade name: Ultrapro™ Tx Prophy Paste - Pure

(Contd. of page 3)

7681-49-4 Sodium Fluoride

WEL	Long-term value: 2.5 mg/m ³ as F
-----	--

- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as 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.
- **Hand protection** 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/face 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

- **Information on basic physical and chemical properties**
- **General Information**
- **Physical state** Solid
- **Colour:** Various
- **Odour:** Characteristic
- **Odour threshold:** Not determined.
- **Melting point/freezing point:** Undetermined.
- **Boiling point or initial boiling point and boiling range** Undetermined.
- **Flammability** Not determined.
- **Lower and upper explosion limit**
- **Lower:** Not determined.
- **Upper:** Not determined.
- **Flash point:** Not applicable.
- **Decomposition temperature:** Not determined.
- **pH at 20 °C** 4-7
- **Viscosity:**
- **Kinematic viscosity** Not applicable.

(Contd. on page 5)

Safety data sheet according to UK REACH

Printing date 04.03.2025

Version number 1

Revision: 04.03.2025

Trade name: **Ultrapro™ Tx Prophy Paste - Pure**

(Contd. of page 4)

· Dynamic:	Not applicable.
· Solubility	
· water:	Insoluble.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not applicable.
· Density and/or relative density	
· Density:	Not determined.
· Relative density	Not determined.
· Vapour density	Not applicable.
· Other information	
· Appearance:	
· Form:	Paste
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Change in condition	
· Evaporation rate	Not applicable.
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

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.

GB

(Contd. on page 6)

Safety data sheet according to UK REACH

Printing date 04.03.2025

Version number 1

Revision: 04.03.2025

Trade name: **Ultrapro™ Tx Prophy Paste - Pure**

(Contd. of page 5)

11 Toxicological information

- Information on hazard classes as defined in Regulation (EC) No 1272/2008
- 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)
	LC50 Fish	>5,000 mg/l (Fish)
Dermal	LD50	>21,900 mg/kg (rat) 10,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>0.1425 mg/l (rat)

1344-09-8 Sodium Silicate Solution

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

· Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

12 Ecological information

· Toxicity

· Aquatic toxicity:

56-81-5 Glycerin

EC50	>10,000 mg/kg (Bacteria)
------	--------------------------

(Contd. on page 7)

Safety data sheet according to UK REACH

Printing date 04.03.2025

Version number 1

Revision: 04.03.2025

Trade name: Ultrapro™ Tx Prophy Paste - Pure

(Contd. of page 6)

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.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
- **Other adverse effects**
- **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.

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

- | | |
|--|------------------------|
| <ul style="list-style-type: none"> · UN number or ID number · ADR, IMDG, IATA | <i>not regulated</i> |
| <ul style="list-style-type: none"> · UN proper shipping name · ADR, ADN, IMDG, IATA | <i>not regulated</i> |
| <ul style="list-style-type: none"> · Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class | <i>not regulated</i> |
| <ul style="list-style-type: none"> · Packing group · ADR, IMDG, IATA | <i>not regulated</i> |
| <ul style="list-style-type: none"> · Environmental hazards: | <i>Not applicable.</i> |
| <ul style="list-style-type: none"> · Special precautions for user | <i>Not Applicable</i> |
| <ul style="list-style-type: none"> · Maritime transport in bulk according to IMO instruments | <i>Not applicable.</i> |
| <ul style="list-style-type: none"> · UN "Model Regulation": | <i>not regulated</i> |

GB

(Contd. on page 8)

Safety data sheet according to UK REACH

Printing date 04.03.2025

Version number 1

Revision: 04.03.2025

Trade name: **Ultrapro™ Tx Prophy Paste - Pure**

(Contd. of page 7)

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.

· **Poisons Act**

· **Regulated explosives precursors**

7664-38-2	Phosphoric Acid	30%
-----------	-----------------	-----

· **Regulated poisons**

None of the ingredients is listed.

· **Reportable explosives precursors**

None of the ingredients is listed.

· **Reportable poisons**

7681-49-4	Sodium Fluoride	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.

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.
 EUH032 Contact with acids liberates very toxic gas.

· **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

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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

ATE: Acute toxicity estimate values

Met. Corr.1: Corrosive to metals – Category 1

(Contd. on page 9)

Safety data sheet
according to UK REACH

Printing date 04.03.2025

Version number 1

Revision: 04.03.2025

Trade name: Ultrapro™ Tx Prophy Paste - Pure

(Contd. of page 8)

*Acute Tox. 4: Acute toxicity – Category 4**Acute Tox. 2: Acute toxicity – Category 2**Acute Tox. 3: Acute toxicity – Category 3**Skin Corr. 1A: Skin corrosion/irritation – Category 1A**Skin Corr. 1B: Skin corrosion/irritation – Category 1B**Skin Irrit. 2: Skin corrosion/irritation – Category 2**Eye Dam. 1: Serious eye damage/eye irritation – Category 1**Eye Irrit. 2: Serious eye damage/eye irritation – Category 2**STOT SE 3: Specific target organ toxicity (single exposure) – Category 3***· * Data compared to the previous version altered.**

GB