SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Product name : Ultrapro™ Tx Prophy Paste, NaF, Coarse

Article Number:
SDS 213-001.09R01, 8309, 8310, 8311, 8312, 8313, 8314, 8315, 8320, 8327

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Used for cleaning and polishing procedures as part of a professionally administered dental prophylaxis treatment.
Restrictions on use : Professional use only

1.4. Supplier's details

Manufactured by Young Innovations, Inc. for Ultradent Products, Inc.
Address: 505 W. Ultradent Drive (10200 S), South Jordan, UT 84095-3942 USA
Contact: onlineordersupport@ultradent.com

1.5. Emergency phone number

Emergency number : Infotrac:
24-Hour Number : 1-800-535-5053;
Outside U.S 1-352-323-3500

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Acute toxicity (oral), Category 4	Harmful if swallowed.
Skin sensitization, Category 1	May cause an allergic skin reaction.
Specific target organ toxicity — Repeated exposure, Category 1	Causes damage to organs through prolonged or repeated exposure.

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger
Hazard statements (GHS US) : Harmful if swallowed
May cause an allergic skin reaction
Causes damage to organs through prolonged or repeated exposure
Precautionary statements (GHS US) : Do not breathe dust, fume, gas, mist, vapors, spray.
Wash hands, forearms and face thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves, protective clothing, eye and face protection.
If swallowed: Call a poison center or doctor if you feel unwell.
Rinse mouth.
If on skin: Wash with plenty of water.
Take off contaminated clothing and wash it before reuse.
If skin irritation or rash occurs: Get medical advice or attention.

Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

Other hazards which do not result in classification : Contact with water liberates toxic gas from fluoride.

2.5. Unknown acute toxicity

48% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	Conc. (% w/w) Weight*
Glycerin	CAS-No.: 56-81-5	15 – 40
Sodium fluoride	CAS-No.: 7681-49-4	1 – 5
Phosphoric acid	CAS-No.: 7664-38-2	0.5 – 2.5
Oils, peppermint	CAS-No.: 8006-90-4	0.1 - 1

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : Get medical advice/attention if you feel unwell.

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact : IF ON SKIN: Wash with plenty of Water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Call a POISON CENTER or doctor/physician if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation : May cause irritation to the respiratory tract.

Symptoms/effects after skin contact : May cause skin irritation. Repeated exposure may cause skin dryness or cracking. May cause an allergic skin reaction.

Symptoms/effects after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/effects after ingestion : Harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic symptoms : Causes damage to organs through prolonged or repeated exposure.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media : Do not use water jet.

5.2. Specific hazards arising from the chemical

Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon. Fluorine. Oxides of sodium.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

For non-emergency personnel

No additional information available

For emergency responders

Environmental precautions : Prevent entry to sewers and public waters.

6.2. Methods and materials for containment and cleaning up

For containment : Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.

Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Do not breathe dust, fume, gas, mist, spray, vapors. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.

Hygiene measures : Take off contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace. Wash hands, forearms, and face thoroughly after handling.

7.2. Conditions for safe storage, including incompatibilities

Storage conditions : Do not store in unlabelled containers. Containers which are opened should be properly resealed and kept upright to prevent leakage. Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place.

Specific end uses : Dental products.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Glycerin (56-81-5)	
USA - OSHA - Occupational Exposure Limits	
Local name	Glycerin (mist)

Glycerin (56-81-5)	
OSHA PEL TWA	15 mg/m³ (mist, total particulate) 5 mg/m³ (mist, respirable fraction)
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - Cal/OSHA - Occupational Exposure Limits	
Local name	Glycerin mist
Cal/OSHA PEL (OEL TWA)	10 mg/m³ (Total dust) 5 mg/m³ (Respirable fraction)
Regulatory reference	California Division of Occupational Safety and Health (Cal/OSHA) - Permissible Exposure Limit for Chemical Contaminants (Table AC-1)

Phosphoric acid (7664-38-2)	
USA - ACGIH® - Threshold Limit Values	
Local name	Phosphoric acid
ACGIH® TLV® TWA	1 mg/m³
ACGIH® TLV® STEL	3 mg/m³
Remark (ACGIH®)	TLV® Basis: Eye, Skin & URT irr
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
OSHA PEL TWA	1 mg/m³
USA - Cal/OSHA - Occupational Exposure Limits	
Local name	Phosphoric acid
Cal/OSHA PEL (OEL TWA)	1 mg/m³
Cal/OSHA STEL	3 mg/m³
Regulatory reference	California Division of Occupational Safety and Health (Cal/OSHA) - Permissible Exposure Limit for Chemical Contaminants (Table AC-1)
USA - IDLH - Occupational Exposure Limits	
IDLH	1000 mg/m³
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL (TWA)	1 mg/m³
NIOSH REL (STEL)	3 mg/m³

Sodium fluoride (7681-49-4)	
USA - IDLH - Occupational Exposure Limits	
IDLH	250 mg/m³
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL (TWA)	2.5 mg/m³

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment

Hand protection:
Wear suitable gloves resistant to chemical penetration. Consult glove manufacturer's product information on material suitability and material thickness.

Eye protection:
Safety glasses or goggles are recommended when using product.

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. SDSs cannot provide detailed and complete respiratory protection guidelines. Selection of respiratory protection must be done by a qualified person who has assessed the work environment.

Other information:
Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	:	Solid
Appearance	:	Paste.
Color	:	No data available
Odor	:	No data available
Odor threshold	:	No data available
pH	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Flammability (solid, gas)	:	Not flammable.
Vapor pressure	:	No data available
Relative vapor density at 20°C	:	No data available
Relative density	:	No data available
Solubility	:	No data available
Partition coefficient n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Explosion limits	:	No data available
Particle characteristics	:	No data available

Glycerin	
Boiling point	290 °C Atm. press.: 760 mm Hg
Flash point	199 °C
Auto-ignition temperature	392.78 °C
Vapor pressure	0.0033 hPa (at 50 °C)
Particle characteristics	No data available

Phosphoric acid	
Boiling point	296.5 °C Atm. press.: 983 hPa
Vapor pressure	0.95 hPa (at 20 °C (70% aqueous solution)
Particle characteristics	No data available

Sodium fluoride	
Boiling point	1695 °C Atm. press.: 1 atm
Vapor pressure	1 mm Hg (at 1077 °C)

Sodium fluoride	
Particle characteristics	No data available

Oils, peppermint	
Boiling point	92 °C Remarks on result: 'other:'
Flash point	72 °C Remarks on result: 'other:'
Vapor pressure	43.8 Pa Temp.: 25 °C Remarks on result: 'other:'
Particle characteristics	No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.
Hardening time: : Not applicable.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Contact with water liberates toxic gas from fluoride.

10.4. Conditions to avoid

Heat. Incompatible materials.

10.5. Incompatible materials

Water. Strong acids. Strong oxidizers.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon. Fluorine. Oxides of sodium.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Young Innovations Prophy Paste with Fluoride	
ATE US (oral)	874.997 mg/kg body weight
Unknown acute toxicity (GHS US)	48% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)

Glycerin (56-81-5)	
LD50 oral rat	27200 mg/kg body weight Animal: rat, Animal sex: female
LD50 dermal rabbit	> 10 g/kg (Source: NLM_CIP)
LC50 inhalation rat	5.85 mg/l air Animal: rat

Phosphoric acid (7664-38-2)	
LD50 oral rat	1530 mg/kg (Source: JAPAN_GHS)
LD50 oral	2000 mg/kg

Phosphoric acid (7664-38-2)	
LD50 dermal rabbit	2740 mg/kg (Source: JAPAN_GHS)

Sodium fluoride (7681-49-4)	
LD50 oral rat	52 mg/kg (Source: NLM_CIP)
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity)

Oils, peppermint (8006-90-4)	
LD50 oral rat	2426 mg/kg (Source: NZ_CCID)
LD50 dermal rabbit	> 5000 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation : Not classified.

Phosphoric acid (7664-38-2)	
pH	1.5 (conc: 1.0 %)

Serious eye damage/irritation : Not classified.

Phosphoric acid (7664-38-2)	
pH	1.5 (conc: 1.0 %)

Respiratory or skin sensitization : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Sodium fluoride (7681-49-4)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Causes damage to organs through prolonged or repeated exposure.

Phosphoric acid (7664-38-2)	
NOAEL (oral,rat,90 days)	250 mg/kg body weight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

Sodium fluoride (7681-49-4)	
LOAEL (oral,rat,90 days)	≈ 4 mg/kg body weight Animal: rat, Guideline: other:EPA OPP 83-5 (Combined Chronic Toxicity / Carcinogenicity)
NOAEL (oral,rat,90 days)	≈ 25 mg/kg body weight Animal: rat, Guideline: other:EPA OPP 83-5 (Combined Chronic Toxicity / Carcinogenicity)
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Oils, peppermint (8006-90-4)	
LOAEL (oral,rat,90 days)	100 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)
NOAEL (oral,rat,90 days)	400 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)

Aspiration hazard : Not classified

Phosphoric acid (7664-38-2)	
Viscosity, kinematic	104.412 – 112.342 mm²/s

Oils, peppermint (8006-90-4)	
Viscosity, kinematic	7.71 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)'

Symptoms/effects after inhalation : May cause irritation to the respiratory tract.

Symptoms/effects after skin contact : May cause skin irritation. Repeated exposure may cause skin dryness or cracking. May cause an allergic skin reaction.

Symptoms/effects after eye contact	:	May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/effects after ingestion	:	Harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic symptoms	:	Causes damage to organs through prolonged or repeated exposure.
Other information	:	Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general	:	May cause long-term adverse effects in the aquatic environment.
Hazardous to the aquatic environment, short–term (acute)	:	Not classified
Hazardous to the aquatic environment, long–term (chronic)	:	Not classified

Glycerin (56-81-5)	
LC50 - Fish [1]	54000 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)

Phosphoric acid (7664-38-2)	
LC50 - Fish [1]	75.1 mg/l
EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

Sodium fluoride (7681-49-4)	
LC50 - Fish [1]	> 530 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus Source: IUCLID)
EC50 - Crustacea [1]	338 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 - Fish [2]	830 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [semi-static] Source: EPA)
EC50 - Crustacea [2]	98 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
EC50 72h - Algae [1]	850 mg/l (Species: Desmodesmus subspicatus [static])
EC50 96h - Algae [1]	272 mg/l (Species: Pseudokirchneriella subcapitata)
NOEC (chronic)	14.1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	4 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '21 d'

Oils, peppermint (8006-90-4)	
LC50 - Fish [1]	3.4 mg/l Test organisms (species):
EC50 - Crustacea [1]	2.7 mg/l Test organisms (species): Daphnia magna
EC50 96h - Algae [1]	2.61 mg/l Test organisms (species): other:

12.2. Persistence and degradability

Young Innovations Prophy Paste with Fluoride	
Persistence and degradability	Not established.

Glycerin (56-81-5)	
Persistence and degradability	Not rapidly degradable

Phosphoric acid (7664-38-2)	
Persistence and degradability	Not rapidly degradable

Sodium fluoride (7681-49-4)	
Persistence and degradability	Rapidly degradable

Oils, peppermint (8006-90-4)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

Young Innovations Prophy Paste with Fluoride	
Bioaccumulative potential	Not established.

Glycerin (56-81-5)	
BCF - Fish [1]	(no bioaccumulation)
Partition coefficient n-octanol/water	-1.75 (at 25 °C (at pH 7.4)

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone : Not classified
Fluorinated greenhouse gases : No

Other information : No other effects known.

SECTION 13 Disposal considerations

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Additional information : The generation of waste should be avoided or minimised wherever possible. Recycle empty containers where allowed.

SECTION 14 Transport information

In accordance with DOT

14.1. UN number

UN-No. (DOT) : Not regulated

14.2. UN Proper Shipping Name

Proper Shipping Name (DOT) : Not regulated

14.3. Transport hazard class(es)

DOT
Transport hazard class(es) (DOT) : Not regulated

14.4. Packing group

Packing group (DOT) : Not regulated

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

Not applicable

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:	
1,6-Dichloro-1,6-dideoxy-.beta.-D-fructofuranosyl 4-chloro-4-deoxy-.alpha.-D-galactose	CAS-No. 56038-13-2

15.2. International regulations

No additional information available

15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16 Other information

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2024

Revision date : 11/3/2026

Issue date : 11/3/2026

Other information : None.

Prepared by : Nexreg Compliance Inc.
www.Nexreg.com

Safety Data Sheet (SDS), USA

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