This SDS packet was issued with item:

077640345

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

077640303 077640337

according to Regulation (EC) No. 453/2010

Dental Use



Date Issued: 09/25/2012 SDS No: 25-001.11

Date Revised: 04/20/2017

Revision No: 12

UltraSeal XT® Plus

SECTION 1: Identification of the substance/preparation and of the company/undertaking

1.1. Product identifier

Product code : XA/73401, XB/13560, XR/56303, XT/10952

Product name : UltraSeal XT® Plus

Product description : Light cure pit and fissure sealant and flowable composite

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses : Professional Dental Pit and Fissure Sealant

1.3. Details of the supplier of the safety data sheet

Manufacturer EC Responsible Person

Ultradent Products, Inc.

505 W. Ultradent Drive (10200 South)

South Jordan, UT 84095

Ultradent Products GmbH

Am Westhover Berg 30

51149 Cologne Germany

51149 Cologne Germany Email: infoDE@ultradent.com

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

1.4. Emergency telephone number

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

(INTERNATIONAL):+1(703) 527 - 3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation(EC) No 1272/2008 [CLP]

: The mixture has been assessed and/or tested for its physical, health and

environmental hazards and the following classification applies.

Health : Skin Sensitization, Category 1B

2.2. Label elements

Classification according to Regulation(EC) No 1272/2008 [CLP]

Hazard pictogram(s) :



Exclamation mark

Signal Word : WARNING

Hazard statement(s): H317: May cause an allergic skin reaction.

Precautionary statement(s)

Prevention: P280: Wear protective gloves/protective clothing/eye protection/face protection.

P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.

P272: Contaminated work clothing should not be allowed out of the workplace.

Response: P302+P352: IF ON SKIN: Wash with plenty of soap and water.

according to Regulation (EC) No. 453/2010

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P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P363: Wash contaminated clothing before reuse.

Storage : P273: Avoid release to the environment.

Disposal : P501: Dispose of in compliance with governmental regulation. (EC 1975L0442-

21/11/2003)

2.3. Other hazards

Conclusion: The substance does not fulfill the PBT and vPvB criteria for screening assessment; there are no indications of P or B properties.

SECTION 3: Composition / information on ingredients

3.1. Substances

Not Applicable

3.2. Mixtures

Chemical Name	CAS	EINECS No.	Wt.%	Classification according to Regulation(EC) No 1272/2008 [CL	
Bis-GMA	1565-94-2	216-367-7	< 20	H315; H317; H319	
TEGDMA	109-16-0	203-652-6	< 20	Skin Sens.,Cat. 1B; H317	
Sodium Monofluorophosphate	10163-15-2	233-433-0	< 1	Acute Tox. (O),Cat. 4; H302	

For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Following eyes : Immediately flush eyes with plenty of water. Get medical attention, if irritation

persists.

Following skin : Wash with soap and water. Get medical attention if sensitization or irritation

develops or persists. Wash contaminated clothing before reuse.

Following ingestion : If swallowed in small quantity the product is harmless, otherwise consult a

doctor.

Following inhalation : Rest in the fresh air and seek medical advice if necessary.

4.2. Most important symptoms and effects, both acute and delayed

Eyes: Irritating to eyes.

Skin : May cause skin irritation and sensitization.Ingestion : May be harmful if swallowed in large quantities.

Inhalation: None expected for this product.

4.3. Indication of any immediate medical attention and special treatment needed

Notes to physician : NAP

SECTION 5: Fire fighting measures

5.1. Extinguishing media

according to Regulation (EC) No. 453/2010

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Extinguishing media: Foam, dry chemical, CO₂

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products: None known.

5.3. Advice for firefighters

Fire fighting procedures : General: Evacuate all personnel; use protective equipment for fire-fighting. Use

self-contained breathing apparatus when the product is involved in fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General procedures: Refer to Section 8 for Personal Protective Equipment.

6.2. Environmental precautions

Water spill: Do not allow to enter sewers or drains that may lead to waterways.

6.3. Methods and material for containment and cleaning up

Small Spill : Clean up spills immediately, observing precautions in Protective Equipment

section.

Large Spill : Absorb with inert, damp non-combustible material, then flush area with water.

6.4. Reference to other sections

Reference to other sections : NAP

SECTION 7: Handling and storage

7.1. Precautions for safe handling

General procedures: Avoid contact with eyes, skin and clothing.

Handling : Use suitable protective equipment.

Storage : See product labeling.

7.2. Conditions for safe storage, including any incompatibilities

Shelf life : See product labeling

7.3. Specific end use(s)

Specific end use(s) : Professional Dental Pit and Fissure Sealant

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Control parameters : None Required

8.2. Exposure controls

Eye/face protection: Wear eye protection.

Skin protection: Wear suitable protective clothing and gloves.

Respiratory protection : Good general ventilation should be sufficient to control airborne levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

according to Regulation (EC) No. 453/2010

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Physical state : Liquid

Appearance : Medium viscosity
Colour : White to tan
Odour : Acrylic

pH : NAP (non-aqueous)

Specific gravity: 1.7 - 1.8

9.2. Other information

Additional information : No further relevant information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity : Stable

10.2. Chemical stability

Chemical stability : Stable when stored and handled under recommended conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization: None

10.4. Conditions to avoid

Conditions to avoid : Avoid light exposure.

10.5. Incompatible materials

Incompatible materials : Not Determined

10.6. Hazardous decomposition products

Hazardous decomposition products: None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute

Dermal LD₅₀ : > 2600 mg/kg Rabbit/Rat/Mouse

Notes : ~ 75% of the mixture consists of components of unknown toxicity (Dermal).

Oral LD₅₀ : > 4700 mg/kg Rat

Notes : 68% of the mixture consists of components of unknown toxicity (Oral).

Inhalation LC₅₀ : Not able to calculate ATE mix (inhalation) due to lack of data on the

components.

Germ cell mutagenicity : The components in this product are not reported to produce mutagenic effects in

humans.

Carcinogenicity: None of the components of this material are listed by IARC, NTP, or CA Prop 65

as carcinogens.

Reproductive toxicity: The components in this product are not reported to cause reproductive effects in

humans.

according to Regulation (EC) No. 453/2010
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Other information : Device is biocompatible when used as directed by dental professionals per ISO

10993-1.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity (acute) : Do not empty into drains or the aquatic environment.

12.2. Persistence and degradability

Persistence and degradability: Not classified

12.3. Bioaccumulative potential

Bioaccumulative potential : Not classified

12.4. Mobility in soil

Mobility in soil : Not Available

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : Conclusion: The substance does not fulfill the PBT and vPvB criteria for

screening assessment; there are no indications of P or B properties.

12.6. Other adverse effects

Environmental data : No further relevant information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal method : Dispose of in compliance with governmental regulation. (EC 1975L0442-

20/11/2003)

SECTION 14: Transport information

14.1. UN number

UN number : NAP

14.2. UN proper shipping name

UN proper shipping name : Not Dangerous Goods

14.3. Transport hazard class(es)

Hazard classification : NAP

14.4. Packing group

Packing group : NAP

14.5. Environmental hazards

Marine pollutant #1 : NAP

14.6. Special precautions for user

ADR - road : NAP
RID - rail : NAP
IMDG - sea : NAP
IATA - air : NAP

according to Regulation (EC) No. 453/2010

Dental Use



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14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk : NAP

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

General information : Substances of very high concern (SVHC) according to REACH, Article 57:

Contains no SVHC substances.

General comments: Please refer to Medical Devices Directive 93/42/EEC.

15.2. Chemical safety assessment

Chemical safety assessment : See Section 11

Additional information: None of the ingredients are listed as a carcinogen by IARC, NTP, or CA Prop

65.

This product is not considered dangerous for transportation.

SECTION 16: Other information

Relevant H-statements (number and

full text)

: Acute Tox. (O), Cat. 4: Acute Toxicity (Oral), Category 4

Skin Sens., Cat. 1B: Skin Sensitization, Category 1B

H302: Harmful if swallowed. H315: Causes skin irritation.

H317: May cause an allergic skin reaction. H319: Causes serious eye irritation.

Prepared by : Anu Kattoju

Revision summary : This SDS replaces the 07/07/2015 SDS. Revised: Section 1: MSDS

No. Section 2: EMERGENCY OVERVIEW - IMMEDIATE CONCERNS 2.3. Other hazards. Section 4: INHALATION, NOTES TO PHYSICIAN, SIGNS AND SYMPTOMS OF OVEREXPOSURE - SKIN SKIN. Section 5: EXPLOSION HAZARDS, EXTINGUISHING MEDIA, FIRE EXPLOSION, FIRE FIGHTING EQUIPMENT, SENSITIVE TO STATIC DISCHARGE, SENSITIVITY TO IMPACT. Section 6: Section 7: GENERAL PROCEDURES. Section 8: Section 9: APPEARANCE, COLOR, COMMENTS, PERCENT VOLATILE, pH, SPECIFIC GRAVITY. Section 11: ACUTE (DERMAL LD $_{50}$ (rabbit), DERMAL LD $_{50}$ (rabbit), ORAL LD $_{50}$ (rabbit), INHALATION

LC₅₀ (rat), ORAL LD₅₀ (rat), ORAL LD₅₀ (rat), ORAL LD₅₀ (rat) ACUTE, GENERAL COMMENTS, CARCINOGENICITY, GERM CELL MUTAGENICITY, REPRODUCTIVE TOXICITY. **Section 12:** CHEMICAL FATE INFORMATION,

DISTRIBUTION, ENVIRONMENTAL DATA,

BIOACCUMULATION/ACCUMULATION, AQUATIC TOXICITY (ACUTE), AQUATIC TOXICITY (ACUTE) (48-HOUR EC $_{50}$, 96-HOUR EC $_{50}$), SECTION 12: Ecological information. **Section 14:** ROAD AND RAIL (ADR/RID), VESSEL (IMO/IMDG) - MARINE POLLUTANT #1 ROAD AND RAIL (UK only) (CDG) - SPECIAL PROVISIONS SECTION 14: Transport information, UN number, Packing group, ADR - road, IMDG - sea, IATA - air. **Section 15:** COMMENTS, GENERAL COMMENTS, RoHS. **Section 16:** GENERAL STATEMENTS.

General statements : NAP = Not Applicable

according to Regulation (EC) No. 453/2010 **Dental Use**



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Date Revised: 04/20/2017

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UltraSeal XT® Plus

NE = Not Established

TLV = Threshold Limit Value

PEL = Permittable exposure limits

MAK = Maximum Workplace Concentration

STEL = Short-term exposure limit STEV = Short-term exposure value TWA = Time Weighted Average

PPE = Personal Protective Equipment

Manufacturer disclaimer

: FOR DENTAL USE ONLY: Use as directed. The information and recommendations are taken from sources (raw material SDS(s) and manufacturer's knowledge) believed to be accurate; however, the manufacturer, makes no warranty with respect to the accuracy of the information or the suitability of the recommendation and assumes no liability to any user thereof. Each user should review these recommendations in the specific context of the

according to Regulation (EC) No. 453/2010
Dental Use



Date Issued: 09/25/2012 SDS No: 25-001.10

Date Revised: 07/07/2015

Revision No: 11

UltraSeal XT® Plus

SECTION 1: Identification of the substance/preparation and of the company/undertaking

1.1. Product identifier

Product code

: XA/73401, XB/13560, XR/56303, XT/10952

Product name

: UltraSeal XT® Plus

Product description

: Light cure pit and fissure sealant and flowable composite

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

: Professional Dental Pit and Fissure Sealant

1.3. Details of the supplier of the safety data sheet

Manufacturer

Ultradent Products, Inc. 505 W. 10200 S.

South Jordan, UT 84095

Distributor

Ultradent Products GmbH Am Westhover Berg 30 51149 Cologne Germany Email: infoDE@ultradent.com

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

1.4. Emergency telephone number

CHEMTREC (NORTH AMERICA): (800) 424 - 9300 (INTERNATIONAL): +1(703) 527 - 3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Directive 1999/45/EC

: The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Danger symbols

: Xi

R phrases

: R36,R43

Classification according to Regulation (EC) No 1272/2008 [CLP]

Health

: Eye Irritation Skin Irritation

2.2. Label elements

Classification according to Directive 1999/45/EC

Hazard pictogram(s)

×i

Irritant

R&S statement(s)

: R36: Irritating to eyes.

R43: May cause sensitization by skin contact.

Classification according to Regulation (EC) No 1272/2008 [CLP]

according to Regulation (EC) No. 453/2010
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UitraSeal XT® Plus

Hazard pictogram(s)

Exclamation mark

Signal Word

: WARNING

Hazard statement(s)

: H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

Precautionary statement(s)

Prevention

: P280: Wear protective gloves/protective clothing/eye protection/faœ

protection.

Response

: P305: IF IN EYES:

P351: Rinse cautiously with water for several minutes.

P337+P313: If eye irritation persists: Get medical advice/attention. P302+P352: IF ON SKIN: Wash with plenty of soap and water. P332+P313: If skin irritation occurs: Get medical advice/attention.

` Storage

: P273: Avoid release to the environment.

Disposal

: P501: Dispose of in compliance with governmental regulation.(EC

1975L0442-10/11/2003)

2.3. Other hazards

Immediate concerns

: None

SECTION 3: Composition / information on ingredients

3.1. Substances

Not Applicable

3.2. Mixtures

Chemical Name	CAS	EINECS No.	Wt.%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No 1272/2008 [CLP]
Bis-GMA	1565-94-2	216-367-7	< 20	Xi; R36/37/38; R22	H315; H319; H317
Triethylene Glycol Dimethacrylate	109-16-0	203-652-6	< 20	Xi; R43	Not classified
Aluminum Oxide	1344-28-1	215-691-6	< 10	Xi; R36/37	Not classified
odium Monofluorophosphate	10163-15-2	233-433-0	< 1	T; R22; R38	Acute Tox. (O),Cat. 4; H302

according to Regulation (EC) No. 453/2010 **Dental Use**



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UltraSeal XT® Plus

For full text of H-statements and R-phrases: see SECTION 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Following eyes

: Immediately flush eyes with plenty of water. Get medical attention, if

irritation persists.

Following skin : Wash with soap and water. Get medical attention if irritation develops

Following ingestion : If swallowed in small quantity the product is harmless, otherwise

consult a doctor.

Following inhalation : No specific treatment is necessary since this material is not likely to be

> hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other

symptoms develop.

4.2. Most important symptoms and effects, both acute and delayed

Eyes

: Irritating to eyes.

Skin

: May cause sensitization to skin.

Ingestion

: May be harmful if swallowed in large quantities.

Inhalation

: None expected for this product.

4.3. Indication of any immediate medical attention and special treatment needed

Notes to physician

: Not Applicable

SECTION 5: Fire fighting measures

5.1. Extinguishing media

Extinguishing media

: Please see Fire Fighting Equipment under Section 5.3.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products: None known.

Explosion hazards Fire explosion

: Not Determined : Not Determined

Sensitive to static discharge

: Not Determined

Sensitivity to impact

: Not Determined

5.3. Advice for firefighters

Fire fighting procedures

: General: Evacuate all personnel; use protective equipment for firefighting. Use self-contained breathing apparatus when the product is

involved in fire.

Fire fighting equipment

: Foam, dry chemical, carbon dioxide (CO₂).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

according to Regulation (EC) No. 453/2010
Dental Use



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General procedures

: Refer to Section 8 for Personal Protective Equipment.

6.2. Environmental precautions

Water spill

: Do not allow to enter sewers or drains that may lead to waterways.

6.3. Methods and material for containment and cleaning up

Small spill

: Clean up spills immediately, observing precautions in Protective

Equipment section.

Large spill

: Absorb with inert, damp non-combustible material, then flush area

with water.

6.4. Reference to other sections

Reference to other sections

: Not Applicable

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling

: Use suitable protective equipment.

Storage

: See product labeling.

'.2. Conditions for safe storage, including any incompatibilities

Shelf life

: See product labeling

7.3. Specific end use(s)

Specific end use(s)

: Professional Dental Pit and Fissure Sealant

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Control parameters

: Not Determined

8.2. Exposure controls

Eye/face protection

: Wear eye protection

Skin protection

: Wear suitable protective clothing and gloves.

Respiratory protection

: Good general ventilation should be sufficient to control airborne levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

: Liquid

Appearance

: Tinted Liquid

Colour

: Dependent upon color shade

Odour

: Acrylic

9.2. Other information

Percent volatile

: Not Determined

SECTION 10: Stability and reactivity

according to Regulation (EC) No. 453/2010
Dental Use



Date Issued: 09/25/2012

SDS No : 25-001.10 **Date Revised :** 07/07/2015

Revision No: 11

UltraSeal XT® Plus

10.1. Reactivity

Reactivity

: Stable

10.2. Chemical stability

Chemical stability

: Stable when stored and handled under recommended conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization

: None

10.4. Conditions to avoid

Conditions to avoid

: Avoid light exposure.

10.5. Incompatible materials

Incompatible materials

: Not Determined

10.6. Hazardous decomposition products

Hazardous decomposition

: None known.

products

SECTION 11: Toxicological information

1.1. Information on toxicological effects

Acute

Notes

: Device is biocompatible when used as directed by dental professionals

per ISO 10993-1.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity (acute)

96-hour LC₅₀

: Not Determined

48-hour EC₅₀

: Not Determined

96-hour EC₅₀

: Not Determined

12.2. Persistence and degradability

Persistence and degradability

: Not Determined

12.3. Bioaccumulative potential

Bioaccumulative potential

: Not Determined

12.4. Mobility in soil

Mobility in soil

: Not Determined

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

assessment

: Not Determined

12.6. Other adverse effects

Environmental data

: No data available.

according to Regulation (EC) No. 453/2010

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UltraSeal XT® Plus

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal method

: Dispose of in compliance with governmental regulation.(EC

1975L0442-20/11/2003)

SECTION 14: Transport information

14.1. UN number

UN number

: N/A

14.2. UN proper shipping name

UN proper shipping name

: Not Dangerous Goods

14.3. Transport hazard class(es)

Hazard classification

: N/A

14.4. Packing group

Packing group

: N/A

34.5. Environmental hazards

Marine pollutant #1

: N/A

14.6. Special precautions for user

ADR - road

: Not Dangerous Goods

RID - rail

: Not Dangerous Goods

IMDG - sea

: Not Dangerous Goods

IATA - air

: Not Dangerous Goods

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk

: Not Dangerous Goods

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

RoHS

text)

: Please refer to Medical Devices Directive 93/42/EEC

15.2. Chemical safety assessment

Chemical safety assessment

: See Section 11

Additional information

: This product is not considered dangerous for transportation

SECTION 16: Other information

Relevant R-phrases and/or Hstatements (number and full : R22: Harmful if swallowed.

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

R36/37: Irritating to eyes and respiratory system.

R38: Irritating to skin.

R43: May cause sensitization by skin contact.

Acute Tox. (O), Cat. 4: Acute Toxicity (Oral), Category 4

according to Regulation (EC) No. 453/2010
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UltraSeal XT® Plus

H302: Harmful if swallowed. H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

Prepared by

Revision summary

: Anu Kattoju

: This SDS replaces the 04/10/2015 SDS. Revised: Section 1: Date-

Revised. **Section 15:** COMMENTS.

General statements

Manufacturer disclaimer

: N/A= Not Applicable

: FOR DENTAL USE ONLY: Use as directed. The information and recommendations are taken from sources (raw material SDS(s) and manufacturer's knowledge) believed to be accurate; however, the manufacturer, makes no warranty with respect to the accuracy of the information or the suitability of the recommendation and assumes no

liability to any user thereof. Each user should review these recommendations in the specific context of the intended use and

determine whether they are appropriate.