

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Dental Use



Date Issued : 06/30/2015

SDS No : 373-001.1

Ultrasep™ III**SECTION 1 : Identification of the substance/preparation and of the company/undertaking****1.1. Product identifier**

Product code : F/G 176
Product name : Ultrasep™ III
Product description : Mold Release

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

Relevant identified uses : Dental Laboratory Mold Release

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 : F+

R phrases : R12

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

Physical : Flammable Gases, Category 1

2.2. Label elements**Classification according to Directive 1999/45/EC**

Hazard pictogram(s) : F+



Extremely
flammable

R&S statement(s) : R12: Extremely flammable.



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

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Hazard pictogram(s)	:		
		Flame	Gas cylinder
Signal Word	:	DANGER	
Hazard statement(s)	:	H220: Extremely flammable gas. H280: Contains gas under pressure; may explode if heated.	
Precautionary statement(s)	:		
Prevention	:	P280: Wear protective gloves/protective clothing/eye protection/face protection.	
Response	:	P305: IF IN EYES:. P351: Rinse cautiously with water for several minutes. P302: IF ON SKIN:. P353: Rinse skin with water [or shower]. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.	
Storage	:	P235+P410: Keep cool. Protect from sunlight. P223: Do not allow contact with water. P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.	
Disposal	:	P501: Dispose of in compliance with governmental regulation.(EC 1975L0442-10/11/2003)	

2.3. Other hazards

Immediate concerns : Flammable

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]
1,1-difluoroethane	75-37-6	200-866-1	< 65	F+; R12	Flam. Gas, Cat. 1; Liq. Gas.; H220; H280
Dimethyl Ether	115-10-6	204-065-8	< 30	F+; R12	Flam. Gas, Cat. 1; H220

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

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Ultrasep™ III**SECTION 4: First aid measures****4.1. Description of first aid measures**

- Following eyes** : Flush eye with water for 15 minutes. Get medical attention.
- Following skin** : Flush skin with large amounts of water. Seek medical attention if irritation develops and persists.
- Following ingestion** : No special measures required.
- Following inhalation** : Remove to fresh air.

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

- Eyes** : May cause mild eye irritation.
- Skin** : May cause burning sensation.
- Ingestion** : None expected for this product.
- Inhalation** : High concentration of vapor is harmful.

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** : Carbon Dioxide
- Explosion hazards** : May explode when heated. Container explosion may occur under fire conditions.
- Fire explosion** : Container may explode if heated above 125 Degrees Fahrenheit.
- 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 fire-fighting. Use self-contained breathing apparatus when the product is involved in fire.
- Fire fighting equipment** : Water fog, foam, alcohol foam, dry chemical, CO2

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** : Not Determined

6.3. Methods and material for containment and cleaning up

- Large spill** : Eliminate all sources of ignition. Evacuate unprotected and untrained personnel from hazard area. Ventilate area with fresh air. Collect in

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approved disposal container.

6.4. Reference to other sections

Reference to other sections : Not Applicable

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling : Keep away from heat, sparks and flame.

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) : Dental Laboratory Mold Release

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.
 In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Aerosol

Colour : Colorless

Odour : Slight ether odor

Solubility in water : Negligible

9.2. Other information

Percent volatile : Not Determined

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

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Conditions to avoid : Heat, flames, and ignition sources

10.5. Incompatible materials

Incompatible materials : Not Determined

10.6. Hazardous decomposition products

Hazardous decomposition products : Carbon Dioxide

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute

Chemical Name	Dermal LD ₅₀
Dimethyl Ether	1500 to 2500 mg/kg (Rat)

Oral LD₅₀ : Not Determined

Inhalation LC₅₀ : Not Determined

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 : Not defined

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal method : Dispose of in compliance with governmental regulation.(EC 1975L0442-20/11/2003)

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Ultrasep™ III**SECTION 14: Transport information****14.1. UN number**

UN number : 1964

14.2. UN proper shipping name

UN proper shipping name : Hydrocarbon Gas Mixture, Compressed, n.o.s(Difluoroethane, Dimethyl Ether Mixture)

14.3. Transport hazard class(es)

Hazard classification : 2.1

14.4. Packing group

Packing group : N/A

14.5. Environmental hazards

Marine pollutant #1 : N/A

14.6. Special precautions for user

ADR - road : N/A

RID - rail : N/A

IMDG - sea : N/A

IATA - air : N/A

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

Transport in bulk : N/A

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

RoHS : Not a medical device; laboratory accessory

15.2. Chemical safety assessment

Chemical safety assessment : Not Determined

SECTION 16: Other information

Relevant R-phrases and/or H-statements (number and full text) : R12: Extremely flammable.
 Flam. Gas, Cat. 1: Flammable Gases, Category 1
 Liq. Gas., : Liquefied Gases,
 H220: Extremely flammable gas.
 H280: Contains gas under pressure; may explode if heated.

Prepared by : Anu Kattoju**General statements** : N/A= Not Applicable**Additional SDS information** : This is the first SDS.

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

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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.