

SAFETY DATA SHEET

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

ULTRADENT
PRODUCTS, INC.

Date Issued : 06/30/2015
SDS No : 373-001.02
Date Revised : 11/06/2017
Revision No : 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. Ultradent Drive (10200 South)
South Jordan, UT 84095

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

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.

Physical : Flammable Gases, Category 1

2.2. Label elements

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

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 : P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P240: Ground and bond container and receiving equipment.
P241: Use explosion-proof [electrical/ventilating/lighting/] equipment.

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Response	<p>P242: Use non-sparking tools. P243: Take action to prevent static discharges. P280: Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>: P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P370+P378: In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312: Call a POISON CENTER or doctor/physician if you feel unwell.</p>
Storage	<p>: P235+P410: Keep cool. Protect from sunlight. P410+P403: Protect from sunlight. Store in a well-ventilated place.</p>
Disposal	<p>: P501: Dispose of in compliance with governmental regulation. (EC1975L0442-20/11/2003)</p>

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

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

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	: Remove contaminated clothing immediately. Flush skin with shower.
Following ingestion	: No special measures required.
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	: Causes eye irritation.
Skin	: May cause burning sensation.
Ingestion	: None expected for this product.
Inhalation	: High concentration of vapor is harmful.

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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

Extinguishing media : Water spray, alcohol-resistant foam, dry chemical or carbon dioxide

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 51.66° C (125° F).

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

Large Spill : Eliminate all sources of ignition. Evacuate unprotected and untrained personnel from hazard area. Ventilate area with fresh air. Collect in approved disposal container.

6.4. Reference to other sections

Reference to other sections : NAP

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 : 1,1-Difluoroethane CAS 75-37-6
 WEEL: 1,000 ppm TWA

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Dimethyl Ether CAS 115-10-6
 WEEL: 1,000 ppm TWA

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

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 : 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

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

Oral LD₅₀ : Not determined
Inhalation LC₅₀ : Not determined
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.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity (acute) : Do not allow to enter sewers or drains that may lead to waterways.

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 : 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)

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Hazard classification : 2.1

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

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 : European Substances of very high concern (SVHC) according to REACH, Article 57: Contains no SVHC Substances.
 All of the raw materials listed on the composition table are on the Canadian DSL list.

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.

SECTION 16: Other information

Relevant H-statements (number and full-text) : 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

Revision summary : This SDS replaces the 06/30/2015 SDS. Revised: **Section 1**: Date-Revised.

General statements : NAP = Not Applicable
 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

Additional SDS information : Revision #:1

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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 intended use and determine whether they are appropriate.