

UnoDent Material Safety Data Sheet

IMPORTANT

Read this MSDS before handling and disposing of this product and pass this information on to employees, customers and users of this product.

1. Chemical product and company identification

product name: UnoDent Denture Reline Liquid Hard (IFR304)
manufacturer/supplier: Made for UnoDent Ltd. Tel: 01376 500582
address: 10 Perry Way, Witham, Essex Fax: 01376 500581
CM8 3SX, UK
information sector: Technical Department Tel: 01376 500582
emergency information: Technical Department

2. Composition/Information on ingredients

Compositions given are typical values, not specifications :

<u>Component Name</u>	<u>% Weight</u>	<u>Cas No.</u>	<u>EINECS No.</u>
Dimethyl-P-Toluidine	<5%	99-97-8	202-805-4
Di-N-Butyl Phthalate	<10%	84-74-2	201-557-4
Butyl Methacrylate	<90%	97-88-1	202-615-1

3. Hazards Identification

Risk Phrases: Harmful
R10-20/21/22-43-62-63. Flammable. Harmful by inhalation, in contact with skin and if swallowed. May cause sensitisation by skin contact. Possible risk of impaired fertility. Possible risk of harm to the unborn child.

4. First Aid-Measures

In case of inhalation: Remove to fresh air. Rest and keep warm. In severe cases seek medical attention.

In case of skin contact: Wash with soap and water. If irritation persists seek medical attention.

In case of eye contact: Flush with copious amounts of water. If irritation persists seek medical attention.

In case of ingestion: Rinse mouth with water. Drink plenty of water. Do not induce vomiting. Seek medical attention.

Emergency medical treatment:

5. Fire Fighting Measures

Use extinguisher suitable to cause fire and its surroundings.

Special fire fighting equipment: Full protective clothing and self container breathing apparatus.

6. Accident release measures

Eliminate all sources of ignition. Soak excess immediately and transfer into suitable containers for disposal. Wipe area dry and dispose of waste accordingly. Do not allow entry into drains or water courses.

7. Handling and storage

Handling: No handling problems are likely to be encountered provided normal safe practices of hygiene are applied. Use in well ventilated area away from sources of ignition.

Storage: Store in a cool dry well ventilated place.

8.	<u>Exposure controls/personal protection</u>	Occupational Exposure Limits: OES, LTEL 5mg/m ³ 8HR TWA (Di-N-Butyl Phthalate).
	Personal protection:	
	Respiratory protection:	In cases of high vapour concentration respiratory protection is required.
	Skin protection:	Overalls, rubber gloves
	Eye protection:	Goggles/eyeshields
	Industrial hygiene:	Wash hands thoroughly after contact with this product.
	Others:	
9.	<u>Physical and chemical properties</u>	Physical state: Liquid Colour: Clear Odour: Pungent Freezing Point (°C): Initial Boiling Point (°C): Density at 25°C (mPas): Relative Vapour Density (air=1) Viscosity at 25°C (mPas): Solubility in Water (% weight): Slightly Soluble Flash point (°C): 41°C* Auto Ignition Temperature (°C): 310°C* Flammability Limits in Air - Lower (%vol): 2* - Upper (%vol): 8* * Di-N-Butyl Phthalate
10.	<u>Stability and reactivity</u>	Polymerisable. Substances to be avoided: Oxidising agents, amines, peroxi compounds, polymerising initiators.
11.	<u>Toxicological information</u>	No evidence of carcinogenic effects. Evidence of reproductive effects.
12.	<u>Ecological information</u>	Do not allow entry into drinking water supplies, waste water or soil.
13.	<u>Disposal considerations</u>	In accordance with local authorities.
14.	<u>Transport information</u>	
15.	<u>Regulatory information</u>	Supply Label Details: Ref. Chip 99 Label Name: UnoDent Denture Reline Liquid Hard. Contains DI-N-Butyl Phthalate. Symbols: Harmful Risk Phrases: 10-20/21/22-43-62-63. Flammable. Harmful by inhalation, in contact with skin and if swallowed. May cause sensitisation by skin contact. Possible risk of impaired fertility. Possible risk of harm to the unborn child. Safety Phrases: 36/37-45. Wear suitable protective clothing and gloves. In case of accident or if you feel unwell, seek medical advice immediately (show label where possible). The information in this MSDS does not constitute an assessment of workplace risks.
16.	<u>Other Information</u>	Handling of product exclusively by dental specialists according to instructions for use.

Some of the information presented and conclusions drawn herein are from other than direct test data on the product itself.

The contents and format of this MSDS are in accordance with EEC Commission Directive 91/155/EEC.

DISCLAIMER OF LIABILITY

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness.

The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge.

For this and reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

MSDS No. RM044/146

UnoDent Material Safety Data Sheet

IMPORTANT

Read this MSDS before handling and disposing of this product and pass this information on to employees, customers and users of this product.

1. Chemical product and company identification

product name:	UnoDent Acrylic Bonding Primer (IFR302, IFR304)	
manufacturer/supplier:	Made for UnoDent Ltd.	Tel: 01376 500582
address:	10 Perry Way, Witham, Essex	Fax: 01376 500581
	CM8 3SX, UK	
information sector:	Technical Department	Tel: 01376 500582
emergency information:	Technical Department	

2. Composition/Information on ingredients

Compositions given are typical values, not specifications :

<u>Component Name</u>	<u>% Weight</u>	<u>Cas No.</u>	<u>EINECS No.</u>
Methyl Methacrylate	< 100%	80-62-6	201-297-1
Methacrylate Polymer	<5%		

3. Hazards Identification

Risk Phrases: Highly flammable. Irritant
R11-36/37/38-43. Highly flammable. Irritating to eyes, respiratory system and skin. May cause sensitisation by skin contact.

4. First Aid-Measures

In case of inhalation:	Remove to fresh air. Rest and keep warm. In severe cases seek medical attention.
In case of skin contact:	Wash with soap and water. If irritation persists seek medical attention.
In case of eye contact:	Flush with copious amounts of water. If irritation persists seek medical attention.
In case of ingestion:	Rinse mouth with water. Drink plenty of water. Do not induce vomiting. Seek medical attention.
Emergency medical treatment:	

5. Fire Fighting Measures

Use extinguisher suitable to cause fire and its surroundings.
Special fire fighting equipment: Full protective clothing and self contained breathing apparatus.

6. Accident release measures

Eliminate all sources of ignition. Soak excess immediately and transfer into suitable containers for disposal. Wipe area dry and dispose of waste accordingly. Do not allow entry into drains or water courses.

7. Handling and storage

Handling:	Electrical equipment should be spark and flame proof. Take precautions against static discharge. The vapour is heavier than air; beware of pits or confined spaces. No handling problems are likely to be encountered provided normal safe practices of hygiene are applied.
Storage:	Store in well ventilated, no smoking areas away from heat and naked flames.

8.	<u>Exposure controls/personal protection</u>	<p>Occupational Exposure Limits: 50ppm LTEL 8HR TWA 100ppm STEL 15min (Methyl Methacrylate).</p> <p>Personal protection:</p> <p>Respiratory protection: In cases of high vapour concentration respiratory protection is required.</p> <p>Skin protection: Overalls, rubber gloves</p> <p>Eye protection: Goggles/eyeshields</p> <p>Industrial hygiene: Wash hands thoroughly after contact with this product.</p> <p>Others:</p>
9.	<u>Physical and chemical properties</u>	<p>Physical state: Liquid</p> <p>Colour: Clear</p> <p>Odour: Pungent (Acrid)</p> <p>Freezing Point (°C):</p> <p>Initial Boiling Point (°C):</p> <p>Density at 25°C (mPas):</p> <p>Relative Vapour Density (air=1)</p> <p>Viscosity at 25°C (mPas):</p> <p>Solubility in Water (% weight): Slightly Soluble</p> <p>Flash point (°C): 10°C*</p> <p>Auto Ignition Temperature (°C): 421°C*</p> <p>Flammability Limits in Air</p> <ul style="list-style-type: none"> - Lower (%vol): 2.1* - Upper (%vol): 12.5* <p>*Methyl Methacrylate</p>
10.	<u>Stability and reactivity</u>	<p>Hazardous decomposition products: Does not decompose up to auto-ignition temperature.</p> <p>Hazardous reactions: Stable in presence of inhibitor, susceptible to polymerisation initiated by prolonged heating or in the presence of polymerising initiators.</p>
11.	<u>Toxicological information</u>	<p>Methyl Methacrylate is irritating to skin and eyes. The vapour, in high concentration may cause respiratory irritation, dizziness, temporary confusion, ultimately leading to unconsciousness. No evidence of carcinogenic effects.</p>
12.	<u>Ecological information</u>	<p>This product is sparingly soluble in water and has a high potential for bioaccumulation. It is partially biodegradable in water and of low toxicity to fish.</p>
13.	<u>Disposal considerations</u>	<p>In accordance with local authorities.</p>
14.	<u>Transport information</u>	<p>UN No. 1247 UN Pack Group: II</p>
15.	<u>Regulatory information</u>	<p>Supply Label Details: Ref. Chip 99</p> <p>Label Name: UnoDent Acrylic Bonding Primer. Contains Methyl Methacrylate.</p> <p>Symbols: Highly Flammable. Irritant.</p> <p>Risk Phrases: 11-36/37/38-43. Highly Flammable. Irritating to eyes, respiratory system and skin. May cause sensitisation by skin contact.</p> <p>Safety Phrases: 9-16. Keep container in a well ventilated place. Keep away from sources of ignition, no smoking.</p> <p>The information in this MSDS does not constitute an assessment of workplace risks.</p>

16. Other Information

Handling of product exclusively by dental specialists according to instructions for use.

Some of the information presented and conclusions drawn herein are from other than direct test data on the product itself.

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MSDS No. RM037/093

UnoDent Material Safety Data Sheet

IMPORTANT

Read this MSDS before handling and disposing of this product and pass this information on to employees, customers and users of this product.

1. Chemical product and company identification

product name: UnoDent Denture Reline - Powder (IFR302, IFR304)
manufacturer/supplier: Made for UnoDent Ltd. Tel: 01376 500582
address: 10 Perry Way, Witham, Essex Fax: 01376 500581
CM8 3SX, UK
information sector: Technical Department Tel: 01376 500582
emergency information: Technical Department

2. Composition/Information on ingredients

Compositions given are typical values, not specifications :

<u>Component Name</u>	<u>% Weight</u>	<u>Cas No.</u>	<u>EINECS No.</u>
Methacrylate Co-Polymer	100%		

3. Hazards Identification

Risk Phrases:

4. First Aid-Measures

In case of inhalation: Remove to fresh air. If irritation persists seek medical attention.
In case of skin contact: Wash with soap and water. If irritation persists seek medical attention.
In case of eye contact: Flush with copious amounts of water. If irritation persists seek medical attention.
In case of ingestion: Rinse mouth with water. Drink plenty of water. If patient feels unwell seek medical attention.

Emergency medical treatment:

5. Fire Fighting Measures

Use extinguisher suitable to cause fire and its surroundings.

Special fire fighting equipment: Self contained breathing apparatus and full protective clothing.

6. Accident release measures

Carefully sweep up excess and transfer into suitable containers for disposal, be aware that product creates a slipping hazard. Wipe residue with damp cloth and rinse thoroughly to drain.

7. Handling and storage

Handling: No handling problems are likely to be encountered provided normal safe practices of hygiene are applied. Avoid excess dust in the atmosphere since this is an explosive hazard in the presence of electrical sparks and static charges.

Storage: Store in a cool dry place.

8.	<u>Exposure controls/personal protection</u>	<p>Occupational Exposure Limits: None assigned.</p> <p>Personal protection:</p> <p>Respiratory protection: In cases of high vapour concentration respiratory protection is required.</p> <p>Skin protection: Overalls, rubber gloves</p> <p>Eye protection: Goggles/eyesields</p> <p>Industrial hygiene: Wash hands thoroughly after contact with this product.</p> <p>Others:</p>
9.	<u>Physical and chemical properties</u>	<p>Physical state: Powder (Fine Beads)</p> <p>Colour: Pink</p> <p>Odour: Odourless</p> <p>Freezing Point (°C):</p> <p>Initial Boiling Point (°C):</p> <p>Density at 25°C (mPas):</p> <p>Relative Vapour Density (air=1)</p> <p>Viscosity at 25°C (mPas):</p> <p>Solubility in Water (% weight): Insoluble</p> <p>Flash point (°C): N/A</p> <p>Auto Ignition Temperature (°C): N/A</p> <p>Flammability Limits in Air</p> <p>- Lower (%vol): N/A</p> <p>- Upper (%vol): N/A</p>
10.	<u>Stability and reactivity</u>	<p>Thermal Decomposition: Polymer will decompose at temperatures over 240°C</p> <p>Hazardous decomposition products: Methacrylate Monomer Vapours</p>
11.	<u>Toxicological information</u>	<p>This product presents no toxic hazard when used in accordance with manufacturers instructions. Avoid breathing dust.</p>
12.	<u>Ecological information</u>	<p>This product is insoluble in water. No environmental hazard known.</p>
13.	<u>Disposal considerations</u>	<p>In accordance with local authorities.</p>
14.	<u>Transport information</u>	
15.	<u>Regulatory information</u>	<p>The information in this MSDS does not constitute an assessment of workplace risks.</p>
16.	<u>Other information</u>	<p>Handling of product exclusively by dental specialists according to instructions for use.</p>
<p>Some of the information presented and conclusions drawn herein are from other than direct test data on the product itself. The contents and format of this MSDS are in accordance with EEC Commission Directive 91/155/EEC.</p>		
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<p>MSDS No. 128</p>		