

# SAFETY DATA SHEET

## SILICONE REMOVER

### 1. Identification

#### Product identifier

**Product name** SILICONE REMOVER  
**Chemical name** METHYL METHACRYLATE  
**CAS number** 80-62-6

#### Recommended use of the chemical and restrictions on use

**Restriction on use** SILICONE REMOVER is an auxiliary agent used to remove the silicone-based materials from the acrylic resin. This product is classified as non medical device because of the limited application with outside of the patient's mouth even though it is used in a dental clinic or dental laboratory.

#### Details of the supplier of the safety data sheet

**Supplier** Tokuyama Dental America, Inc.  
740 Garden View CT., Suite 200 Encinitas, CA 92024 U.S.A.  
Tel: +1-760-942-7211  
Fax: +1-760-942-7212

**Contact person** <http://www.tokuyama-dental.com/tdc/contact.html>

**Manufacturer** Tokuyama Dental Corporation  
38-9, Taitou 1-chome, Taitou-ku, Tokyo  
110-0016, Japan  
TEL: +81-3-3835-2261  
FAX: +81-3-3835-2265

#### Emergency telephone number

**Emergency telephone** Tokuyama Dental America, Inc. Tel: +1-760-942-7211  
Days and hours of operation : 9:00-17:00(PST/PDT), Weekdays, except national holidays in US.  
Language: English only.

### 2. Hazard identification

#### Classification of the substance or mixture

**WHMIS Regulatory Status** This product has been classified according to the hazard criteria of the Hazardous Product Regulations and the SDS contains all required information.

**Physical hazards** Flam. Liq. 2 - H225

**Health hazards** Skin Irrit. 2 - H315 Skin Sens. 1 - H317 STOT SE 3 - H335

**Environmental hazards** Not Classified

#### Label elements

##### Pictogram



**Signal word** Danger

## SILICONE REMOVER

<b>Hazard statements</b>	H225 Highly flammable liquid and vapour. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H335 May cause respiratory irritation.
<b>Precautionary statements</b>	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P240 Ground and bond container and receiving equipment. P241 Use explosion-proof electrical equipment. P242 Use non-sparking tools. P243 Take action to prevent static discharges. P261 Avoid breathing vapour/ spray. P264 Wash contaminated skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P302+P352 IF ON SKIN: Wash with plenty of water. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTRE/doctor if you feel unwell. P321 Specific treatment (see medical advice on this label). P332+P313 If skin irritation occurs: Get medical advice/ attention. P333+P313 If skin irritation or rash occurs: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse. P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P403+P235 Store in a well-ventilated place. Keep cool. P405 Store locked up. P501 Dispose of contents/ container in accordance with local regulations.

### 3. Composition/information on ingredients

#### Substances

<b>METHYL METHACRYLATE</b>	<b>100%</b>
CAS number: 80-62-6	

<b>Product name</b>	SILICONE REMOVER
<b>Chemical name</b>	METHYL METHACRYLATE
<b>CAS number</b>	80-62-6

### 4. First-aid measures

#### Description of first aid measures

<b>General information</b>	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
<b>Inhalation</b>	Move affected person to fresh air at once.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse.

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**Eye contact** Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

### Most important symptoms and effects, both acute and delayed

**Inhalation** Irritation of nose, throat and airway.

**Skin contact** Allergic rash. Skin irritation.

### Indication of any immediate medical attention and special treatment needed

**Notes for the doctor** No specific recommendations.

## 5. Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media** Extinguish with the following media: Foam. Carbon dioxide or dry powder.

### Specific hazards arising from the hazardous product

**Specific hazards** Irritating gases or vapours.

**Hazardous combustion products** No known hazardous decomposition products.

### Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours.

**Special protective equipment for firefighters** Wear chemical protective suit.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

### Environmental precautions

**Environmental precautions** Avoid the spillage or runoff entering drains, sewers or watercourses.

### Methods and material for containment and cleaning up

**Methods for cleaning up** No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers. Ground/bond container and receiving equipment. Use only non-sparking tools. Avoid the spillage or runoff entering drains, sewers or watercourses.

### Reference to other sections

**Reference to other sections** For waste disposal, see Section 13.

## 7. Handling and storage

### Precautions for safe handling

**Usage precautions** All handling should only take place in well-ventilated areas. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

### Conditions for safe storage, including any incompatibilities

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**Storage precautions** Store at temperatures between 0°C/25°F and 32°C/77°F. Keep away from heat, sparks and open flame. Store in a cool and well-ventilated place. Ground/bond container and receiving equipment.

**Specific end use(s)**

**Specific end use(s)** The identified uses for this product are detailed in Section 1.

### 8. Exposure Controls/personal protection

**Control parameters**

**Occupational exposure limits**

**METHYL METHACRYLATE**

Long-term exposure limit (8-hour TWA): ACGIH 50 ppm 205 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): ACGIH 100 ppm 410 mg/m<sup>3</sup>

A4, DSens

ACGIH = American Conference of Governmental Industrial Hygienists.

A4 = Not Classifiable as a Human Carcinogen.

DSens = Dermal sensitizer.

**Exposure controls**

**Appropriate engineering controls** Provide adequate general and local exhaust ventilation. Use explosion-proof electrical, ventilating and lighting equipment.

**Eye/face protection** The following protection should be worn: Chemical splash goggles.

**Hand protection** Wear protective gloves.

**Other skin and body protection** Wear appropriate clothing to prevent any possibility of skin contact.

**Hygiene measures** Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Take off contaminated clothing and wash it before reuse.

**Respiratory protection** Wear a respirator fitted with the following cartridge: Organic vapour filter.

### 9. Physical and Chemical Properties

**Information on basic physical and chemical properties**

**Appearance** Liquid

**Colour** Clear, Colourless

**Odour** Characteristic

**Odour threshold** Not available.

**pH** Not available.

**Melting point** Not available.

**Initial boiling point and range** 100°C

**Flash point** 14.5°C

**Evaporation rate** Not available.

**Evaporation factor** Not available.

**Flammability (solid, gas)** Not available.

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<b>Upper/lower flammability or explosive limits</b>	Upper flammable/explosive limit: 12.5% Lower flammable/explosive limit: 1.7%
<b>Other flammability</b>	Not available.
<b>Vapour pressure</b>	Not available.
<b>Vapour density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	Not available.
<b>Partition coefficient</b>	Not available.
<b>Auto-ignition temperature</b>	421°C
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Explosive properties</b>	Not explosive.
<b>Oxidising properties</b>	Not available.
<b>Other information</b>	Not available.

### 10. Stability and reactivity

<b>Reactivity</b>	May polymerize. See the other subsections of this section for further details.
<b>Stability</b>	The product is highly flammable.
<b>Possibility of hazardous reactions</b>	May polymerize.
<b>Conditions to avoid</b>	Keep away from heat, sparks and open flame. Protect against direct sunlight.
<b>Materials to avoid</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Heating may generate the following products: Toxic gases or vapours.

### 11. Toxicological information

#### Information on toxicological effects

<b>Routes of exposure</b>	See section 4. Skin , Eyes , Ingestion , Inhalation
<b><u>Acute toxicity - oral</u></b>	
<b>Notes (oral LD<sub>50</sub>)</b>	Not available.
<b><u>Acute toxicity - dermal</u></b>	
<b>Notes (dermal LD<sub>50</sub>)</b>	Not available.
<b><u>Acute toxicity - inhalation</u></b>	
<b>Notes (inhalation LC<sub>50</sub>)</b>	Not available.
<b><u>Skin corrosion/irritation</u></b>	
<b>Skin corrosion/irritation</b>	Skin Irrit. 2 - H315 Causes skin irritation.
<b>Animal data</b>	Not available.

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### Serious eye damage/irritation

**Serious eye damage/irritation** Not available.

### Respiratory sensitization

**Respiratory sensitization** Not available.

### Skin sensitization

**Skin sensitization** Skin Sens. 1 - H317 May cause an allergic skin reaction.

### Germ cell mutagenicity

**Genotoxicity - in vitro** Not available.

**Genotoxicity - in vivo** Not available.

### Carcinogenicity

**Carcinogenicity** Not available.

**IARC carcinogenicity** IARC Group 3 Not classifiable as to its carcinogenicity to humans.

**NTP carcinogenicity** Not listed.

**OSHA Carcinogenicity** Not listed.

### Reproductive toxicity

**Reproductive toxicity - fertility** Not available.

**Reproductive toxicity - development** Not available.

### Specific target organ toxicity - single exposure

**STOT - single exposure** STOT SE 3 - H335 May cause respiratory irritation.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Not available.

### Aspiration hazard

**Aspiration hazard** Not available.

## 12. Ecological Information

**Toxicity** Not available.

### Persistence and degradability

**Persistence and degradability** No data available.

### Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not available.

### Mobility in soil

**Mobility** No information available.

### Other adverse effects

**Other adverse effects** Not known.

## 13. Disposal considerations

### Waste treatment methods

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**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### 14. Transport information

#### UN number

UN No. (TDG)	1247
UN No. (IMDG)	1247
UN No. (ICAO)	1247
UN No. (DOT)	UN1247

#### UN proper shipping name

Proper shipping name (TDG)	METHYL METHACRYLATE MONOMER, STABILIZED
Proper shipping name (IMDG)	METHYL METHACRYLATE MONOMER, STABILIZED
Proper shipping name (ICAO)	METHYL METHACRYLATE MONOMER, STABILIZED
Proper shipping name (DOT)	METHYL METHACRYLATE MONOMER, STABILIZED

#### Transport hazard class(es)

DOT class	3
DOT hazard label	3
TDG class	3
TDG label(s)	3
IMDG class	3
ICAO class/division	3

#### DOT transport label



#### Transport labels



#### Packing group

TDG packing group	II
IMDG packing group	II
ICAO packing group	II
DOT packing group	II

#### Environmental hazards

Environmentally hazardous substance/marine pollutant  
No.

#### Special precautions for user

EmS F-E, S-D

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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

### 15. Regulatory information

**Regulatory References** According to WHMIS 2015, in compliance with the Hazardous Product Act (HPA, as amended) and the requirements of the Hazardous Product Regulations (HPR) Hazardous Products Regulations - SOR/2015-17. Transportation of Dangerous Goods Regulations - SOR/2015-100.

### 16. Other information

**Training advice** Ensure operatives are trained to minimize exposure. Only trained personnel should use this material.

**Revision comments** This is first issue.

**Revision date** 20/03/2018

**Revision** 1

**Hazard statements in full** H225 Highly flammable liquid and vapour.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H335 May cause respiratory irritation.

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