

## SAFETY DATA SHEETS

**This SDS packet was issued with item:**

074383188

N/A

## SAFETY DATA SHEET

### Section 1. Product And Company Identification

**Product Name:** Take 1 Advanced Bite Registration - Base

**Product Use:** Denture impression material

**Manufacturer:** Kerr Corporation  
1717 W. Collins Ave.  
Orange, CA 92867-5422  
U.S.A.

**Information Phone Number:** 1-800-841-1428 (Customer Service)

**Chemical Emergency Phone Number** (Chemical Spills, Leaks, Fire, Exposure or Accident only):  
CHEMTREC 1-800-424-9300 (in the US) 1-703-527-3887 (Outside the US)

**SDS Date of Preparation/Revision:** February 25, 2019

### Section 2. Hazards Identification

**GHS Classification for the Base:**

Carcinogen Category 1A

Specific Target Organ Toxicity Repeated Exposure Category 1

**Label Elements:**

**Danger!**



**Hazard Phrases:**

May cause cancer by inhalation.

Causes damage to lungs through prolonged or repeated exposure by inhalation.

**Precautionary Phrases:**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not breathe dust.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

IF exposed or concerned: Get medical attention.

Store locked up.

Dispose of contents and container in accordance with local and national regulations.

### Section 3. Composition/Information on Ingredients

Component	CAS No.	Amount
Crystalline Silica (as Quartz)	14808-60-7	55-60%
Fumed silica	68909-20-6	<10%

### Section 4. First Aid Measures

**Inhalation:** Remove victim to fresh air. If breathing is difficult or irritation persists, get medical attention.

**Skin Contact:** Flush thoroughly with water. Get medical attention if irritation or symptoms of exposure develop. Remove and launder contaminated clothing before re-use.

**Eye Contact:** Rinse thoroughly with water. Get medical attention if irritation occurs and persists.

**Ingestion:** Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if you feel unwell.

**Most important symptoms and effects, acute and delayed:** May cause mild eye irritation. Inhalation of dust from dried product may cause irritation of the mucous membranes and upper respiratory tract. Prolonged overexposure to respirable crystalline silica causes lung disease (silicosis) and increases the risk of lung cancer. Risk of cancer depends on duration and level of exposure.

**Indication of immediate medical attention and special treatment, if needed:** Immediate medical attention is not required.

### Section 5. Fire Fighting Measures

**Suitable (and Unsuitable) Extinguishing Media:** Use any media appropriate for the surrounding fire. Cool fire exposed containers with water.

**Specific Hazards Arising from the Chemical:** Combustion may produce oxides of carbon, nitrogen, and sulfur; halogenated compounds, and metal oxides.

**Special Protective Equipment and Precautions for Fire-fighters:** Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored. Cool fire-exposed containers with water.

### Section 6: Accidental Release Measures

**Personal precautions, Protective equipment, and Emergency procedures:** Avoid contact with eyes, skin and clothing. Wear appropriate protective clothing and equipment. Avoid generating dust. Avoid breathing dust from dried product or vapors.

**Environmental Precautions:** Report spill as required by local and federal regulations.

**Methods and Materials for Containment and Cleaning up:** Collect material with an inert absorbent material and place in appropriate, labeled container for disposal.

## Section 7. Handling and Storage

**Precautions for Safe Handling:** Avoid contact with eyes, skin and clothing. Always wear impervious gloves, chemical safety goggles and protective clothing when handling this material. Wash thoroughly with soap and water after handling. Do not eat, drink or smoke in the work area. Avoid breathing dust or vapors. Use with adequate ventilation. Remove and wash contaminated clothing before reuse.

Empty containers retain product residues which can be hazardous. Follow all SDS precautions when handling empty containers.

**Conditions for Safe Storage, Including any Incompatibilities:** Store in a cool, dry, well-ventilated area away from direct sunlight. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

## Section 8. Exposure Controls / Personal Protection

### Exposure Limits

Chemical	Exposure Limit
Crystalline Silica (as Quartz)	0.025 mg/m <sup>3</sup> TWA ACGIH TLV
Fumed silica (as amorphous silica)	6 mg/m <sup>3</sup> TWA OSHA PEL

**Appropriate Engineering Controls:** Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

**Respiratory Protection:** In operations where exposure levels are exceeded, an approved dust/mist respirator or supplied air respirator should be used. Equipment selection depends on contaminant type and concentration. Select in accordance with applicable regulations and good industrial hygiene practice.

**Hand protection:** Impervious gloves are suggested to prevent prolonged skin contact. Contact your glove supplier for selection assistance.

**Eye Protection:** Chemical safety glasses or goggles are recommended if contact is possible.

**Skin Protection:** Wear protective clothing as needed to avoid skin contact and contamination of personal clothing.

**Hygiene measures:** Suitable eye and skin washing facilities should be available in the work area.

## Section 9. Physical and Chemical Properties

<b>Appearance:</b>	Paste of various colors	<b>Odor:</b>	Slight fruity odor
<b>Odor Threshold:</b>	Not available	<b>pH:</b>	Not available
<b>Melting/Freezing Point:</b>	Not available	<b>Boiling Point/Range:</b>	Not available
<b>Flash Point:</b>	Not flammable	<b>Evaporation Rate:</b>	Not available
<b>Flammability: (Solid, Gas)</b>	Not applicable	<b>Flammability Limits:</b>	LEL: Not applicable UEL: Not applicable

<b>Vapor Pressure:</b>	Not available	<b>Vapor Density:</b>	Not available
<b>Relative Density:</b>	1.25 (approximate)	<b>Solubilities:</b>	Insoluble in water
<b>Partition Coefficient:</b>	Not available	<b>Autoignition Temperature:</b>	Not available
<b>(N-Octanol/Water)</b>		<b>Viscosity:</b>	Not available
<b>Decomposition Temperature:</b>	Not available		

## Section 10. Stability and Reactivity

**Reactivity:** The product is not expected to be reactive.

**Chemical Stability:** Stable under normal storage and handling conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to avoid:** Keep away from flames, heat, and direct sunlight.

**Incompatible Materials:** Oxidizing materials.

**Hazardous decomposition products:** Thermal decomposition will produce oxides of carbon, nitrogen, and sulfur; halogenated compounds, and metal oxides.

## Section 11. Toxicological Information

### Potential Health Effects:

**Inhalation:** Inhalation of dust from dried product or vapors may cause nose, throat and upper respiratory tract.

**Skin Contact:** Prolonged exposure may cause skin irritation.

**Eye Contact:** Direct contact may cause eye irritation.

**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Chronic Hazards:** Prolonged inhalation of respirable crystalline silica may cause lung disease and cancer.

**Skin corrosion/irritation:** This product is not expected to cause skin corrosion or irritation.

**Eye damage/ irritation:** This product is not expected to cause eye damage or irritation.

**Skin Sensitization:** This product is not expected to cause skin sensitization.

**Respiratory Sensitization:** No data available. This product is not expected to cause respiratory sensitization.

**Germ Cell Mutagenicity:** None of the components are mutagenic.

**Carcinogen:** Crystalline silica quartz is listed as "Carcinogenic to Humans" (Group 1) by IARC and "Known to be a Human Carcinogen" by NTP. None of the other components are listed as a carcinogen or potential carcinogen by IARC, NTP, ACGIH, or OSHA.

**Developmental / Reproductive Toxicity:** This product is not classified as a reproductive hazard.

**Specific Target Organ Toxicity (Single Exposure):** No data available.

**Specific Target Organ Toxicity (Repeated Exposure):** Crystalline Silica Quartz: Excessive inhalation of crystalline silica has been shown to cause a progressive, disabling and sometimes fatal lung disease called silicosis in humans. Symptoms include cough, shortness of breath, wheezing, non-specific chest illness and reduced pulmonary function.

**Aspiration Toxicity:** Not an aspiration hazard.

**Acute Toxicity Values:**

Crystalline Silica (as Quartz): Oral Rat LD50 - >22,500 mg/kg.

Fumed silica: Oral rat LD50: >5000 mg/kg, Inhalation rat LC50: >0.139 mg/L/4hr (no mortality), Skin rat LD50: >5000 mg/kg

**Section 12. Ecological Information**

**Toxicity:** No data available. This product is not expected to be harmful to the aquatic environment.

**Persistence and degradability:** No data available.

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

**Other Adverse Effects:** No data available.

**Section 13. Disposal Considerations**

**Disposal:** For unused product, dispose of in accordance with Federal and local regulations.

**Container Disposal:** Dispose of empty container in accordance with Federal and local regulations.

**Section 14. Transport Information**

	UN Number	UN Proper Shipping Name	Hazard Class(s)	Packing Group	Environmental Hazards
US DOT	None	Not Regulated	None	None	None
EU ADR/RID	None	Not Regulated	None	None	None
IMDG	None	Not Regulated	None	None	None
IATA/ICAO	None	Not Regulated	None	None	None

**Special Precautions for User:** None identified

**Transport in Bulk According to Annex II MARPOL 73/78 and the IBC Code:** Not applicable – product is transported only in packaged form.

**Section 15. Regulatory Information**

**U.S. Federal Regulations:**

**EPA SARA 311/312 Hazard Classification:** Refer to Section 2 for OSHA Hazard Classification.

**EPA SARA 313: This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372):** None

**Protection Of Stratospheric Ozone:** This product is not known to contain or to have been manufactured with ozone depleting substances as defined in 40 CFR Part 82, Appendix A to Subpart A.

**CERCLA SECTION 103:** This product is not subject to CERCLA reporting requirements; however, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

#### **International Inventories**

**US EPA TSCA Inventory:** All of the components of this product are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory or exempt.

**Canada CEPA:** All of the components of this material are listed on the DSL or exempt.

<b>Section 16. Other Information</b>
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**Effective Date:** February 25, 2019

**Supersedes Date:** June 17, 2015

**Revision Summary:** All Sections – New SDS format

The information and recommendations set forth herein are taken from sources believed to be accurate as of the date of preparation, however, KERR Corporation makes no warranty with respect to the accuracy or suitability of the recommendations, and assumes no liability to any use thereof.

## SAFETY DATA SHEET

**Section 1. Product And Company Identification****Product Name:** Take 1 Advanced Bite Registration - Catalyst**Product Use:** Denture impression material**Manufacturer:** Kerr Corporation  
1717 W. Collins Ave.  
Orange, CA 92867-5422  
U.S.A.**Information Phone Number:** 1-800-841-1428 (Customer Service)**Chemical Emergency Phone Number** (Chemical Spills, Leaks, Fire, Exposure or Accident only):  
CHEMTREC 1-800-424-9300 (in the US) 1-703-527-3887 (Outside the US)**SDS Date of Preparation/Revision:** February 26, 2019**Section 2. Hazards Identification****GHS Classification for the Catalyst:**

Not Classified

**Label Elements:**

None Required

**Section 3. Composition/Information on Ingredients**

Component	CAS No.	Amount
Fumed silica	68909-20-6	<10%

**Section 4. First Aid Measures****Inhalation:** Remove victim to fresh air. If breathing is difficult or irritation persists, get medical attention.**Skin Contact:** Flush thoroughly with water. Get medical attention if irritation or symptoms of exposure develop. Remove and launder contaminated clothing before re-use.**Eye Contact:** Rinse thoroughly with water. Get medical attention if irritation occurs and persists.**Ingestion:** Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if you feel unwell.**Most important symptoms and effects, acute and delayed:** May cause mild eye irritation. Inhalation of dust from dried product may cause irritation of the mucous membranes and upper respiratory tract.**Indication of immediate medical attention and special treatment, if needed:** Immediate medical attention is not required.



## Section 5. Fire Fighting Measures

**Suitable (and Unsuitable) Extinguishing Media:** Use any media appropriate for the surrounding fire. Cool fire exposed containers with water.

**Specific Hazards Arising from the Chemical:** Combustion may produce oxides of carbon, nitrogen, and sulfur; halogenated compounds, and metal oxides.

**Special Protective Equipment and Precautions for Fire-fighters:** Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored. Cool fire-exposed containers with water.

## Section 6: Accidental Release Measures

**Personal precautions, Protective equipment, and Emergency procedures:** Avoid contact with eyes, skin and clothing. Wear appropriate protective clothing and equipment. Avoid generating dust. Avoid breathing dust from dried product or vapors.

**Environmental Precautions:** Report spill as required by local and federal regulations.

**Methods and Materials for Containment and Cleaning up:** Collect material with an inert absorbent material and place in appropriate, labeled container for disposal.

## Section 7. Handling and Storage

**Precautions for Safe Handling:** Avoid contact with eyes, skin and clothing. Always wear impervious gloves, chemical safety goggles and protective clothing when handling this material. Wash thoroughly with soap and water after handling. Do not eat, drink or smoke in the work area. Avoid breathing dust or vapors. Use with adequate ventilation. Remove and wash contaminated clothing before reuse.

Empty containers retain product residues which can be hazardous. Follow all SDS precautions when handling empty containers.

**Conditions for Safe Storage, Including any Incompatibilities:** Store in a cool, dry, well-ventilated area away from direct sunlight. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

## Section 8. Exposure Controls / Personal Protection

### Exposure Limits

Chemical	Exposure Limit
Fumed silica (as amorphous silica)	6 mg/m <sup>3</sup> TWA OSHA PEL

**Appropriate Engineering Controls:** Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

**Respiratory Protection:** In operations where exposure levels are exceeded, an approved dust/mist respirator or supplied air respirator should be used. Equipment selection depends on contaminant type

and concentration. Select in accordance with applicable regulations and good industrial hygiene practice.

**Hand protection:** Impervious gloves are suggested to prevent prolonged skin contact. Contact your glove supplier for selection assistance.

**Eye Protection:** Chemical safety glasses or goggles are recommended if contact is possible.

**Skin Protection:** Wear protective clothing as needed to avoid skin contact and contamination of personal clothing.

**Hygiene measures:** Suitable eye and skin washing facilities should be available in the work area.

### Section 9. Physical and Chemical Properties

<b>Appearance:</b>	Paste of various colors	<b>Odor:</b>	Slight fruity odor
<b>Odor Threshold:</b>	Not available	<b>pH:</b>	Not available
<b>Melting/Freezing Point:</b>	Not available	<b>Boiling Point/Range:</b>	Not available
<b>Flash Point:</b>	Not flammable	<b>Evaporation Rate:</b>	Not available
<b>Flammability: (Solid, Gas)</b>	Not applicable	<b>Flammability Limits:</b>	LEL: Not applicable UEL: Not applicable
<b>Vapor Pressure:</b>	Not available	<b>Vapor Density:</b>	Not available
<b>Relative Density:</b>	1.25 (approximate)	<b>Solubilities:</b>	Insoluble in water
<b>Partition Coefficient: (N-Octanol/Water)</b>	Not available	<b>Autoignition Temperature:</b>	Not available
<b>Decomposition Temperature:</b>	Not available	<b>Viscosity:</b>	Not available

### Section 10. Stability and Reactivity

**Reactivity:** The product is not expected to be reactive.

**Chemical Stability:** Stable under normal storage and handling conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to avoid:** Keep away from direct sunlight, extremely high or low temperatures.

**Incompatible Materials:** Oxidizing materials.

**Hazardous decomposition products:** None if stored normally.

### Section 11. Toxicological Information

#### Potential Health Effects:

**Inhalation:** Inhalation of dust from dried product or vapors may cause nose, throat and upper respiratory tract.

**Skin Contact:** Prolonged exposure may cause skin irritation.

**Eye Contact:** Direct contact may cause eye irritation.

**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Chronic Hazards:** None known.

**Skin corrosion/irritation:** This product is not expected to cause skin corrosion or irritation.

**Eye damage/ irritation:** This product is not expected to cause eye damage or irritation.

**Skin Sensitization:** This product is not expected to cause skin sensitization.

**Respiratory Sensitization:** No data available. This product is not expected to cause respiratory sensitization.

**Germ Cell Mutagenicity:** None of the components are mutagenic.

**Carcinogen:** None of the components are listed as a carcinogen or potential carcinogen by IARC, NTP, ACGIH, or OSHA.

**Developmental / Reproductive Toxicity:** This product is not classified as a reproductive hazard.

**Specific Target Organ Toxicity (Single Exposure):** No data available.

**Specific Target Organ Toxicity (Repeated Exposure):** No data available.

**Aspiration Toxicity:** Not an aspiration hazard.

**Acute Toxicity Values:**

Fumed silica: Oral rat LD50: >5000 mg/kg, Inhalation rat LC0: >0.139 mg/L/4hr (no mortality), Skin rat LD50: >5000 mg/kg

## Section 12. Ecological Information

**Toxicity:** No data available. This product is not expected to be harmful to the aquatic environment.

**Persistence and degradability:** No data available.

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

**Other Adverse Effects:** No data available.

## Section 13. Disposal Considerations

**Disposal:** For unused product, dispose of in accordance with Federal and local regulations.

**Container Disposal:** Dispose of empty container in accordance with Federal and local regulations.

## Section 14. Transport Information

	UN Number	UN Proper Shipping Name	Hazard Class(s)	Packing Group	Environmental Hazards
US DOT	None	Not Regulated	None	None	None
EU ADR/RID	None	Not Regulated	None	None	None

IMDG	None	Not Regulated	None	None	None
IATA/ICAO	None	Not Regulated	None	None	None

**Special Precautions for User:** None identified

**Transport in Bulk According to Annex II MARPOL 73/78 and the IBC Code:** Not applicable – product is transported only in packaged form.

## Section 15. Regulatory Information

### U.S. Federal Regulations:

**EPA SARA 311/312 Hazard Classification:** Refer to Section 2 for OSHA Hazard Classification.

**EPA SARA 313: This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372):** None

**Protection Of Stratospheric Ozone:** This product is not known to contain or to have been manufactured with ozone depleting substances as defined in 40 CFR Part 82, Appendix A to Subpart A.

**CERCLA SECTION 103:** This product is not subject to CERCLA reporting requirements; however, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

### International Inventories

**US EPA TSCA Inventory:** All of the components of this product are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory or exempt.

**Canada CEPA:** All of the components of this material are listed on the DSL or exempt.

## Section 16. Other Information

**Effective Date:** February 26, 2019

**Supersedes Date:** June 17, 2015

**Revision Summary:** All Sections – New SDS format

The information and recommendations set forth herein are taken from sources believed to be accurate as of the date of preparation, however, KERR Corporation makes no warranty with respect to the accuracy or suitability of the recommendations, and assumes no liability to any use thereof.