

**Safety Data Sheet:****Ideal Alginate Impression Material**Date Revised: **07/27/2016**Revision Number: **2**Date Issued: **07/27/2016**

Document Number:

**0280-MSDS-0017****1. PRODUCT IDENTIFICATION**

<b>Trade Name (as labeled):</b>	<b>Ideal Alginate Impression Material</b>
<b>Chemical Name/Classification:</b>	Ideal Alginate Impression Material
<b>Product Identifier (Part/Item Number):</b>	<b>55-004-40, 55-204-40</b>
<b>U.N. Number:</b>	Not applicable
<b>U.N. Dangerous Goods Classification:</b>	Not applicable
<b>Recommended Use:</b>	Dental impression material
<b>Restrictions on Use:</b>	Do not use outside of indicated use for dentistry
<b>Manufacturer Name:</b>	<b>DENTSPLY GAC International</b>
<b>Manufacturer Address:</b>	One CA Plaza, Suite 100, Islandia, NY 11749
<b>Manufacturer Telephone Number:</b>	1-800-645-5530 (Product Information)
<b>24/7 Emergency Contact Telephone Number:</b>	<b>1-800-424-9300</b> <b>(CHEMTREC, Account # CCN721860)</b>
<b>Manufacturer Email address:</b>	<a href="mailto:gac.info@dentsply.com">gac.info@dentsply.com</a>

**2. HAZARD(s) IDENTIFICATION****Danger****May cause cancer by inhalation****May cause damage to lungs through prolonged  
or repeated exposure.****Warning****Causes skin irritation**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment required. If exposed or concerned: Get medical attention. Store locked up. Dispose of contents/container in accordance with local regulations. Wash hands thoroughly after handling. Wear protective gloves.

If on skin: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

**EU Classification:** Not classified as a dangerous preparation as sold.

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS



**Warning:** this product contains silica and crystalline (airborne particles of respirable size), which are known by the State of California to cause cancer.

Hazardous Components	C.A.S. # (EC#)	IUPAC Name	WT %
Cristobalite	14464-46-1 (238-455-4)	Silicon dioxide, crystalline	< 26
Quartz	14808-60-7 (238-878-4)	Silicon dioxide, crystalline	< 3
Diatomaceous Earth (Silicon dioxide, amorphous)	68855-54-9 (272-489-0)	Silicon dioxide (Kieselguhr, soda ash flux-calcined)	< 35
Calcium sulfate	10101-41-4 (600-148-1)	No official IUPAC name. Other names include: Sulfuric acid, calcium salt, hydrate (1:1:2) and calcium sulfate dihydrate	< 20
Magnesium oxide	1309-48-4 (215-171-9)	Magnesia	< 7
Tetrasodium pyrophosphate	722-88-5 (none)	No official IUPAC name. Other names include: Pyrophosphate and Tetrasodium diphosphate	< 3

**Colorant Information:** Fast Set product contains D & C Red # 30 Aluminum Lake as colorant. Regular Set product contains synthetic Yellow Iron Oxide as colorant.

### 4. FIRST-AID MEASURES

Routes of Exposure	First Aid Instructions
Eye	Rinse opened eye for several minutes under running water. If symptoms persist consult physician

**For Use By Affiliates of DENTSPLY GAC International**


This document contains proprietary information. It may not be reproduced or disclosed without prior written approval

REVISION  
2

PAGE  
2 of 8

<b>Skin</b>	Immediately wash with soap and water and rinse thoroughly
<b>Inhalation</b>	Supply fresh air, consult physician if symptoms persist.
<b>Ingestion</b>	If symptoms persist consult physician.
<b>Most important symptoms of exposure</b>	Delayed effects of inhalation can include irritation and soreness in throat and nose. In extreme exposures some congestion may occur. Inhalation of crystalline silica has been classified by IARC as carcinogenic for humans (Group1). Inhalation of crystalline silica is also a known cause of silicosis, a non-cancerous lung disease caused by excessive exposure to crystalline silica. Respirable dust from this product may contain up to 26 % free crystalline silica (Cristobalite) and up to 3% crystalline silica (Quartz). As such it represents a risk to the respiratory system. Long term, unprotected exposure to dust levels in excess of the TLV or PEL may cause lung disease (silicosis).
<b>Other</b>	Low order of toxicity is expected when material is ingested.
<b>Note to Physicians (Treatment, Testing, and Monitoring):</b> Treat symptomatically.	

## 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Not applicable; avoid using water with full jet.
<b>Fire Fighting Procedures:</b> 	Avoid using water with full jet as extinguishing media. Firefighters should wear self-contained respiratory protective devices.
<b>Specific Hazards Arising from the Chemical:</b>	In common with most inorganic / organic materials, this product should be treated as a combustible dust in the finely divided and suspended state. No dangerous decomposition products known. - Product does not present an explosion hazard.
<b>Precautions for Fire Fighters:</b>	Not applicable

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, PPE and Emergency Procedures:



**Environmental Precautions:** Material is a dry fluffy powder, which is colored pale yellow or pink. Store only in the original package. Keep package tightly sealed to minimize dust generation and accumulation. The avoidance of any air contaminant is always a recommended practice.

**Methods and Materials for Containment and Clean-up:** Adherence to work place ventilation standards is an assurance of general personnel health and comfort. Wear protective clothing and scoop up bulk material and place in a labeled plastic or metal container. Avoid breathing dust and contact with eyes. Avoid gross skin contact to minimize the possibility of drying out the skin. Ensure adequate ventilation, by either natural or mechanical means to keep dust level below PEL.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling:** Product is intended for dental use only. Handling of this product should be by trained dental healthcare professionals only. Observe normal care for working with chemicals.

**Conditions for Safe Storage:** Store only in the original package. Keep package tightly sealed. Store in a dry area. Protect from exposure to direct light. Store in a cool dry area. Store away from food and beverages. Minimize dust generation and accumulation. Avoid breathing dust and contact with eyes. Return cap to canisters immediately. Close pouches immediately after use. Continue to follow all MSDS/label warnings when handling empty containers. Observe normal warehouse handling procedures. The avoidance of any air contaminant is always a recommended practice. Adherence to work place ventilation standards is an assurance of general personnel health and comfort.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION





**Occupational Exposure Limits:** Ensure adequate ventilation, by either natural or mechanical means to keep dust level below PEL.

Hazardous Components	Exposure Limits
Silicon Dioxide -Crystalline - Cristobalite	0.025 mg/M <sup>3</sup>
Silicon Dioxide - Crystalline -Quartz	0.025 mg/M <sup>3</sup>
Silicon Dioxide – Amorphous - Diatomaceous Earth	0.1 mg/M <sup>3</sup>
Calcium Sulfate	10 mg/M <sup>3</sup>
Magnesium Oxide	10 mg/M <sup>3</sup>
Tetrasodium Pyrophosphate	5 mg/M <sup>3</sup>

**Biological Exposure Limits:** Not applicable. Avoid dusting when in use. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at end of work. Avoid contact with the eyes and skin. Do not eat, drink or smoke when using.

**Appropriate Engineering Controls:** Ensure adequate ventilation, by either natural or mechanical means to keep dust level below PEL.

**Individual Protection Measures (PPE) Specific Eye/face Protection:****Specific Eye Protection:** Safety glasses**Specific Skin Protection:** Gloves**Specific Respiratory Protection:** Recommended NIOSH approved nuisance dust mask. <10X PEL, use 3M 9900; <100X PEL, use MSA Ultra-Twin with H filter; <200X PEL, use MSA 01-00-06 with type C supplied air unit (continuous flow mode); or equivalent. Use sufficient natural or mechanical ventilation to keep dust level below PEL.**Specific Body Protection:** Use protective clothing, such as a lab coat.**Recommended Personal Protective Equipment:**

EYES/FACE	SKIN	RESPIRATORY	BODY
			

**Environmental Exposure Controls:** Not applicable**General Hygiene Considerations and Work Practices:** Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at end of work. Avoid contact with the eyes and skin. Do not eat, drink or smoke when using.**Protective Measures During Repair and Maintenance of Contaminated Equipment:** Not applicable**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Dry fluffy powder. May be colored pink or light yellow.	<b>Specific gravity:</b>	0.3 g/cm <sup>3</sup>
<b>Odor:</b>	Spearmint	<b>Solubility in water:</b>	Partially soluble

**10. STABILITY AND REACTIVITY****Reactivity:** Product is considered non-reactive under normal use conditions.**Chemical Stability:** Product is considered stable under normal use conditions.**Possibility of Hazardous Reactions:** None known.**Conditions to Avoid:** Not applicable. Consult Directions for Use (DFU).

**Incompatible materials:** Hydrofluoric Acid.

**Hazardous Decomposition Products:** No dangerous decomposition products known if used according to Directions for Use (DFU).

### 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure	Signs and Symptoms	Single, Repeated, or Lifetime Exposure	Severity (Mild, Moderate, Severe)	Acute and Chronic Health Effect(s)	Target Organ(s)
<b>Eye:</b>	Material can cause irritation	Single	Moderate	Irritation and possible corneal damage	Eye
<b>Skin:</b>	Material may be an irritant	Single & Repeated	Moderate	Irritation or possible allergic response.	Skin
<b>Inhalation:</b>	Transitory upper respiratory irritation or eye irritation.	Single & Repeated	Moderate	Irritation and soreness in throat and nose. In extreme exposures some congestion may occur. Inhalation of crystalline silica has been classified by IARC as carcinogenic for humans (Group1). Inhalation of crystalline silica is also a known cause of silicosis, a non-cancerous lung disease caused by excessive exposure to crystalline silica. Respirable dust from this product may contain up to 26 % free crystalline silica (Cristobalite) and up to 3 % crystalline silica (Quartz). As such it represents a risk to the respiratory system. Long term, unprotected exposure to dust levels in excess of the TLV or PEL may cause lung disease (silicosis).	Lung
<b>Ingestion:</b>	Material is probably not harmful if swallowed	Not applicable	Mild	Low order of toxicity is expected when material is ingested.	Not applicable
<b>Other:</b>	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 12. ECOLOGICAL INFORMATION

**Toxicity Data, Environmental Fate, Physical/Chemical Data, or other Data Supporting**

**Environmental Hazard Statements:** Water Hazard class1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water streams or sewage system.

### 13. DISPOSAL CONSIDERATIONS

**Regulations:** Dispose of material as solid waste in a closed container. Dispose of in accordance with Federal, State and Local regulations. Vacuum clean dust with equipment fitted with a HEPA filter. Use dust suppression such as water if sweeping is necessary. Sweep up spilled material and place in closed containers for disposal.

**Properties (Physical/Chemical) Affecting Disposal:** Dispose of material as solid waste in a closed container.

**Waste Treatment Recommendations:** Not applicable

### 14. TRANSPORT INFORMATION

**UN Identification Number:** Not applicable

**UN Proper Shipping Name:** Not regulated

**Transport hazard class(es):** Not regulated

**Packing Group:** Not applicable

**Special precautions for user:** Not applicable

### 15. REGULATORY INFORMATION

#### U.S. Federal Regulations

This product does not contain any known hazardous materials in reportable levels as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200 or as defined under SARA § 311 and § 312.

**Comprehensive Environmental Response and Liability Act of 1980 (CERCLA):** This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**Toxic Substances Control Act (TSCA):** All of the components of this product are listed on the TSCA inventory.

**This product contains the following toxic chemical(s) subject to reporting requirements of SARA Title III, Section 313 (40 CFR 372):** None

#### State Regulations

**California Proposition 65:** This product contains silica, crystalline (airborne particles of respirable size) which is known by the State of California to cause cancer.

**International Regulations**

**Canadian Environmental Protection Act:** This product is a medical device and not subject to chemical notification requirements.

**European Community Labeling:** Not a dangerous preparation.

**European Inventory of Existing Chemicals (EINECS):** This product is a medical device and not subject to chemical notification requirements.

16. OTHER INFORMATION
<p>To the best of our knowledge this product does not contain gluten, wheat grains, flaxseed, natural rubber, or natural latex. All components are synthetically produced; none are derived from animal products. This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific products features and shall not establish a legally valid contractual relationship.</p> <p>The Safety Data Sheet covers the dangers and measures to be taken when large quantities of material are released, for example due to accidents during transport or storage by the dealer. For quantities of material typically used in clinical practice, information necessary for safe use and storage of the product are given in the Directions for Use (DFU).</p> <p>The data in this Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process.</p> <p>This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of DENTSPLY GAC International. The data on this sheet are related only to the specific components designated herein. DENTSPLY GAC International assumes no legal responsibility for use or reliance upon these data.</p> <p>Date of SDS Preparation/Revision: 27JUL2016, rev. 2</p> <p>Data Sources: DENTSPLY supplier information, along with individual raw material safety data sheets and applicable hazard communication regulations.</p>