



Issue Date 03-Jan-2011

Revision Date 31-May-2016

Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Name** Excel Formula™ Auto-Cure Orthodontic Material (Powder)

Based on poly methyl methacrylate (PMMA) co-polymers

CAS-No. 9011-14-7 (PMMA)

EC No. 618-466-4

### Other Means of Identification

**SDS #** SGT-001B

### Recommended Use of the Chemical and Restrictions on Use

**Recommended Use** Dental / Denture application.

### Details of the Supplier of the Safety Data Sheet

#### **Supplier Address**

St. George Technology, Inc.

P.O. Box 2849

Wilmington, North Carolina 28402-2849

### Emergency Telephone Number

**Company Phone Number** 910-397-0781

**Emergency Telephone** INFOTRAC 1-352-323-3500 (International)

1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

**Appearance** Clear powder

**Physical State** Powder

**Odor** Slight

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Methyl Methacrylate Copolymer	9011-14-7	>98%

### 4. FIRST AID MEASURES

#### First Aid Measures

<b>Eye Contact</b>	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water. If irritation occurs: Get medical advice/attention.
<b>Inhalation</b>	Remove exposed individual(s) to fresh air for 20 minutes. Consult a physician / poison center if individual's condition declines or if symptoms persist.
<b>Ingestion</b>	Drink plenty of water. If symptoms persist, call a physician.

#### Most Important Symptoms and Effects, both Acute and Delayed

<b>Symptoms</b>	Prolonged or repeated skin contact may cause irritation. Direct contact with eyes may cause temporary irritation. May cause discomfort if swallowed. May cause respiratory irritation.
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#### Indication of any Immediate Medical Attention and Special Treatment Needed

<b>Note to Physicians</b>	Treat symptomatically.
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### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

Foam, Dry Chemical, Carbon Dioxide.

**Unsuitable Extinguishing Media** Not determined.

#### Specific Hazards Arising from the Chemical

Combustible producing noxious fumes. Can cause dust explosion if limits (20g/m<sup>3</sup>) are exceeded.

<b>Hazardous Combustion Products</b>	Carbon oxides.
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#### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 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.

**Other Information** Avoid spillage on hard floors-may be a slip hazard.

**Methods and Material for Containment and Cleaning Up**

- Methods for Containment**            Prevent further leakage or spillage if safe to do so.
- Methods for Cleaning Up**            Use a sweeping compound to minimize dust. Sweep up and shovel into suitable containers for disposal. Wash area with soap and water.

**7. HANDLING AND STORAGE**

**Precautions for Safe Handling**

- Advice on Safe Handling**            Handle in accordance with good industrial hygiene and safety practice.

**Conditions for Safe Storage, Including any Incompatibilities**

- Storage Conditions**                Keep containers tightly closed in a dry, cool and well-ventilated place.
- Incompatible Materials**            Strong acids. Strong oxidizing agents.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

- Exposure Guidelines**                Contains no substances with occupational exposure limit values

**Appropriate Engineering Controls**

- Engineering Controls**                Good general ventilation should be sufficient.

**Individual Protection Measures, such as Personal Protective Equipment**

- Eye/Face Protection**                Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH(US) or EN 166(EU).
- Skin and Body Protection**            Wear suitable protective clothing.
- Respiratory Protection**            If necessary, a dust mask is sufficient.
- General Hygiene Considerations**    Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on Basic Physical and Chemical Properties**

<b>Physical State</b>	Powder	<b>Odor</b>	Slight
<b>Appearance</b>	Clear powder	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Clear		

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
<b>pH</b>	Not determined	
<b>Melting Point/Freezing Point</b>	Not determined	
<b>Boiling Point/Boiling Range</b>	Not determined	
<b>Flash Point</b>	Not determined	
<b>Evaporation Rate</b>	Not determined	
<b>Flammability (Solid, Gas)</b>	Not determined	
<b>Upper Flammability Limits</b>	Not determined	

<b>Lower Flammability Limit</b>	Not determined	
<b>Vapor Pressure</b>	Not determined	
<b>Vapor Density</b>	Not determined	
<b>Specific Gravity</b>	-1	(1=Water)
<b>Water Solubility</b>	Insoluble in water	
<b>Solubility in Other Solvents</b>	Not determined	
<b>Partition Coefficient</b>	Not determined	
<b>Autoignition Temperature</b>	Not determined	
<b>Decomposition Temperature</b>	Not determined	
<b>Kinematic Viscosity</b>	Not determined	
<b>Dynamic Viscosity</b>	Not determined	
<b>Explosive Properties</b>	Not determined	
<b>Oxidizing Properties</b>	Not determined	

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to Avoid

Keep out of reach of children.

### Incompatible Materials

Strong acids. Strong oxidizing agents.

### Hazardous Decomposition Products

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Product Information

<b>Eye Contact</b>	May cause temporary irritation on eye contact.
<b>Skin Contact</b>	Prolonged contact may cause redness and irritation.
<b>Inhalation</b>	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
<b>Ingestion</b>	May cause discomfort if swallowed.

### Component Information

### Information on Physical, Chemical and Toxicological Effects

<b>Symptoms</b>	Please see section 4 of this SDS for symptoms.
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### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

**Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Methyl Methacrylate Copolymer		Group 3		

*IARC (International Agency for Research on Cancer)  
Group 3 IARC components are "not classifiable as human carcinogens"*

**Numerical Measures of Toxicity**

Not determined

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

**Persistence and Degradability**

Not determined

**Bioaccumulation**

Not determined

**Mobility**

Not determined

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION**

**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

Not regulated

**IATA**

Not regulated

**IMDG**

Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

Not Determined

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*

*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

*ENCS - Japan Existing and New Chemical Substances IECSC*

*- China Inventory of Existing Chemical Substances KECL -*

*Korean Existing and Evaluated Chemical Substances*

*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

**US Federal Regulations**

**SARA 313**

Not determined

**US State Regulations**

**U.S. State Right-to-Know Regulations**

Not Determined

**16. OTHER INFORMATION**

**NFPA**

**Health Hazards**

Not determined

**Flammability**

Not determined

**Instability**

Not determined

**Special Hazards**

Not determined

**HMIS**

**Health Hazards**

Not determined

**Flammability**

Not determined

**Physical Hazards**

Not determined

**Personal Protection**

Not determined

**Issue Date**

03-Jan-2011

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31-May-2016

**Revision Note**

New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**