SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**
Product Name: Excel Formula™ Baseplate Wax Modelling Waxes (Waxes, Dental)

**Other Means of Identification**
SDS #: SGT-006
Product Code: 15000, 15050

**Recommended Use of the Chemical and Restrictions on Use**
Recommended Use: Manufacturing of Dental Products. Dental wax.

**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
Fax: 910-397-0791
Emergency Telephone (24 hr): 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**
At 20°C (68°F) waxy solid sheets above melting point liquid. Dark red to light pink

**Physical State**
Solid

**Odor**
Odorless
3. COMPOSITION/INFORMATION ON INGREDIENTS

This product contains a blend of vegetable and mineral waxes.

4. FIRST AID MEASURES

First Aid Measures

Eye Contact  Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical advice.

Skin Contact  Small Area: Let wax peel off, treat any burns
Large Area: Seek medical advice.

Inhalation  Inhalation of paraffin wax vapors may cause respiratory irritation.

Ingestion  Solid: No hazard.
Liquid: Due to temperature, will cause burns. Seek medical advice.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms  Contact with molten wax may cause burns. May cause irritation of respiratory tract when molten.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians  Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media  Not determined.

Specific Hazards Arising from the Chemical
Product is not flammable or combustible. When heated above 150°C (302°F) product will burn if heat source is available.

Hazardous Combustion Products  Fumes from its combustion could result in the follow gases: Flue gases, carbon monoxide.

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.

Environmental Precautions  Keep away from drains, inform authorities in the case of leakage of large amounts.
Methods and Material for Containment and Cleaning Up

Methods for Containment  If heated, Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up  Allow molten wax to cool, clean area.

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  Store in a cool dry place away from sources of heat.
Shelf Life: 5 Years.
Incompatible Materials  Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSOAL PROTECTION

Exposure Guidelines  Paraffin wax –
Long Term Exposure Limit (8hr TWA) – 2mg/m³
Short Term Exposure Limit (10min) – 6mg/m³
Based on OEL UK

Appropriate Engineering Controls

Engineering Controls  Apply technical measures to comply with the occupational exposure limits.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection  Wear safety goggles when handling molten wax.
Skin and Body Protection  Heavy duty butyl rubber gloves to be worn when handling molten wax. Wear suitable protective clothing.
Respiratory Protection  Adequate ventilation when heating wax above 150°C (302°F).

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

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<tr>
<th>Property</th>
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<tr>
<td>pH</td>
<td>Neutral</td>
<td>Odor</td>
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<tr>
<td>Melting Point/Freezing Point</td>
<td>60-63 °C / 140-145.4 °F</td>
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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
Prolonged storage in liquid form 20°C (68°F) above congealing point.

Incompatible Materials
Strong oxidizing agents.

Hazardous Decomposition Products
None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Eye Contact
Molten wax causes burns and possible blindness in contact with eyes.

Skin Contact
Molten wax causes burns on contact with skin.

Inhalation
May cause irritation of respiratory tract, when molten.

Ingestion
Oral LD50 levels on paraffin wax >5000 mg/kg.

Component Information
Not available
Information on Physical, Chemical and Toxicological Effects

**Symptoms**

Please see section 4 of this SDS for symptoms.

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure**

**Carcinogenicity**

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical Measures of Toxicity**

Not determined

12. ECOLOGICAL INFORMATION

**Ecotoxicity**

No toxicity known

**Component Information**

Not available

**Persistence and Degradability**

Products are inherently biodegradable

**Bioaccumulation**

No evidence to suggest bioaccumulation will occur

**Mobility**

Spillages unlikely to penetrate soil

**Other Adverse Effects**

None

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

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

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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 warrant 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