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Version 1

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.
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Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians	Treat symptomatically.
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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/PERSONAL 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

Physical State	Solid	Odor	Odorless
Appearance	At 20°C (68°F) waxy solid sheets above melting point liquid. Dark red to light pink		
Color	Dark red to light pink	Odor Threshold	Not determined
Property	Values	Remarks • Method	
pH	Neutral		
Melting Point/Freezing Point	60-63 °C / 140-145.4 °F		

Boiling Point/Boiling Range	Not determined
Flash Point	> 150 °C / > 302 °F
Evaporation Rate	Not determined
Flammability (Solid, Gas)	Not determined
Upper Flammability Limits	Not determined
Lower Flammability Limit	Not determined
Vapor Pressure	<0.01 mbar
Vapor Density	Not determined
Relative Density (Specific Gravity)	Approx 0.9g/cm3
Water Solubility	Insoluble in water
Solubility in Other Solvents	In Organic Solvent: Almost/completely Chloroform
Partition Coefficient	Not determined
Autoignition Temperature	Not determined
Decomposition Temperature	Not determined
Kinematic Viscosity	Not determined
Dynamic Viscosity	Not determined
Explosive Properties	Not an explosive
Oxidizing Properties	None
Additional Information	Working Temp: 35-40°C (95-104°F)

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

International Inventories

Not Determined

Legend:

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- DSL/NDL - 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	Flammability	Instability	Special Hazards
	Not determined	Not determined	Not determined	Not determined
HMIS	Health Hazards	Flammability	Physical Hazards	Personal Protection
	Not determined	Not determined	Not determined	Not determined

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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