

SAGE

HC #15
p.1**MATERIAL SAFETY DATA SHEET**

Manufactured for:
Sage Products Inc.
3909 Three Oaks Road
Cary, IL 60013

Manufactured by:
Amresco Inc.
30175 Solon Industrial Pkwy
Solon, OH 44139

Telephone:
Product Info 815 455 4700
Tech Info 800 448 4442
Emergency 800 424 9300

1. PRODUCT IDENTIFICATION

Product Name: **TOOTHETTE® DENTIFRICE POWDER**
Product Numbers: 5601, 5602, 5602-X, 5603, 5605, 5699
Sage Item Number: R8629
Product Type: Powder

Chemical Family: Mixture

Chemical Hazard Rating: Health 0
Flammability 0
Reactivity 0

2. HAZARDOUS INGREDIENTS

THE HAZARD COMMUNICATION STANDARD REQUIRES THAT SUCH MIXTURES BE ASSUMED TO PRESENT THE SAME HEALTH HAZARD AS DO COMPONENTS THAT CONSTITUTE AT LEAST 1% OF THE MIXTURE (0.1% FOR CARCINOGENS) ALTHOUGH OSHA HAS NOTED THAT THE HAZARDS OF INDIVIDUAL COMPONENTS MAY BE ALTERED BY INCLUDING THEM IN A MIXTURE.

Ingredient	CAS Registry No.	PEL/TLV	% Range
Dicalcium Phosphate	7757-93-9	*	26 - 30
Mannitol	69-65-8	*	30 - 32
Flavoring	NA	*	15 - 20
Glucoheptonogamalactone	79703-26-7	*	14 - 16
Polydimethylsiloxane	631488-62-9	*	5 - 7
Mineral Oil	8042-47-5	*	1 - 2

*NONE ESTABLISHED, EXCEPT WITH REGARDS TO NUISANCE DUSTS(MISTS). THE TLV BEING 10MG/M³.

SOME OF THE INGREDIENTS IN THIS MIXTURE ARE TRADE SECRETS (TS).

NONE OF THE COMPONENTS OF THIS PRODUCT IS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.

I-036642 C-5602

I-470361 C-5602

DtmI-284326 C-5602

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3 PHYSICAL DATA

Boiling Point:	NA	Specific Gravity:	NA
Vapor Pressure:	NA	Vapor Density (Air = 1):	NA
Freezing Point:	NA	Flash Point:	NA
Auto-ignition Temp:	NA	Lower Explosive Limit:	NA
Solubility in Water:	Partly	Upper Explosive Limit:	NA
Appearance & Odor:	White powder & mint		

4 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT METHOD:

Estimated Flammable Limits in Air:	Not determined
Extinguishing Media:	Water, carbon dioxide, dry chemical or foam, class A, BC or ABC fire extinguishers.
Special Fire Fighting Procedures:	Wear self-contained breathing apparatus and protective clothing.
Unusual Fire & Explosion Hazards:	Thermal decomposition may produce toxic fumes of ammonia, hydrogen chloride, and oxides of carbon and nitrogen.

5 REACTIVITY DATA

STABILITY: STABLE

Hazardous Polymerization: Will not occur.

Incompatibilities: Strong oxidizing agents, strong alkalis and strong mineral acids.

Decomposition Products May Include: Nitrous oxides and ammonical vapors.

6 HEALTH HAZARD DATA

IMMEDIATE HEALTH HAZARD DATA:

Skin Absorption:	No significant signs or symptoms indicative of any adverse health hazard are expected to occur as a result of skin absorption exposure.
Ingestion:	No significant signs or symptoms indicative of any adverse health hazards are expected to occur as a result of ingestion.
Inhalation:	No significant signs or symptoms indicative of any adverse health hazards are expected to occur as a result of inhalation exposure.
Skin:	Not expected to present a skin hazard under anticipated conditions of normal use.
Eyes:	NA

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6 HEALTH HAZARD DATA CONT'D

EMERGENCY FIRST AID PROCEDURES:

Ingestion (swallowing): NA

Inhalation (breathing): NA

Skin Contact: NA

Eye Contact: In case of eye contact, immediately rinse with clean water for 20 - 30 minutes. Retract eyelids often. Obtain emergency medical attention if pain, blinking, tears or redness persists.

7 SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED.

Procedures: Rinse area with water. In normal use this product is suitable for entry into an ordinary sanitary sewer system.

Waste Disposal Method: Dispose in accordance with all local, state, and federal regulations. Contaminated adsorbent may be deposited in a landfill in accordance with local, state and federal regulations.

8 SPECIAL HANDLING/PROTECTION INFORMATION

Inhalation: Respiratory protection not normally needed if local exhaust satisfactory.

Skin: Avoid excessive and prolonged contact with skin. Gloves are not normally needed.

Eyes: Eye protection not needed under normal use, otherwise use proper protection - safety glasses as a minimum. Do not get in eyes.

Storing: Keep closures tight. Avoid exposure to excessive heat.

9 PREPARATION OF MSDS

Prepared by Safety Department on: 9/24/95

This data was prepared from current, reliable sources, however, Sage Products Inc. makes no warranty regarding its accuracy. Because of conditions beyond our control, it is the user's responsibility to determine safe conditions for usage.

Date Issued: 8/9/04

Revisions: 7/5/04

MATERIAL SAFETY DATA SHEET

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Manufactured for:
Sage Products Inc.
3909 Three Oaks Road
Cary, IL 60013

Manufactured by:
H.B. Fuller Company
311 S. Hicks Rd.
Palatine, IL 60067

Telephone:
Product Info 815 455 4700
Technical Info 612 415 5842
Chemtrec 800 424 9300

1 PRODUCT IDENTIFICATION

Product Name: Thermoplastic Adhesive

Product Number(s): 4000, 5601, 5602, 5602UT, 5603, 5604A-1, 5699, 5699UT, 6000, 6001, 6002, 6005, 6010, 6012, 6013, 6050, 6055, 6070, 6071, 6072, 6075, 6076, 6077, 6100, 6119, 6120, 6121, 6300, 6550, 7900-E

Chemical Family: Mixture

Chemical Hazard Rating: Health 1
Flammability 1
Reactivity 0

2 HAZARDOUS INGREDIENTS / REPORTED HEALTH EFFECTS

<u>Chemical/CAS Number</u>	<u>Percent</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Mineral Oil Mist (8012-95-1)	5-10%	5 mg/M3	5 mg/M3
Petroleum Wax	1-5%	2 mg/M3*	2 mg/M3*
*These exposure limits are for paraffin wax fume, a material related to petroleum wax.			
Rosins or Resins or their Acids	50-70%	Not Est.	As Low as Possible
*These exposure limits are for rosin core solder thermal decomposition products (fumes), as resin acids-colophony (CAS 8050-09-7).			

3 PHYSICAL DATA

Boiling Point:	NA	Specific Gravity:	0.966, 2
Solubility in Water:	Not established.	Evaporation Rate:	NA
Vapor Pressure:	Not established.	pH =	NA
Vapor Density:	NA	Appearance & Odor:	Solid characteristic color. Neutral odor.

4 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Greater than 400°F / Cleveland.

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, chemical foam or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Avoid using direct straight water stream on molten material to reduce splattering and spreading of the fire.

5 REACTIVITY DATA

<u>Stability:</u>	Stable.
<u>Hazardous Polymerization:</u>	Will not occur.
<u>Conditions to Avoid:</u>	If this material is heated to temperatures sufficient to produce smoke or fumes, rosin core solder thermal decomposition products (as resin acids - colphony) may be generated. These materials can be potential respiratory sensitizers. ACGIH recommends: "reduce exposure to as low as possible."
<u>Incompatibility (Materials to Avoid):</u>	Not established.
<u>Hazardous Decomposition Products:</u>	Not established.

6 HEALTH HAZARD DATA

EMERGENCY AND FIRST AID PROCEDURES:

Eyes:	Vapors or fumes may cause irritation to eyes. Flush eyes with water.
Skin:	For burns, immerse contact area immediately in cold, clean water. Do not attempt to remove set product. Removal could result in severe tissue damage. Cover contact area with clean wet compresses and take subject to a physician immediately. Mineral oil will loosen the adhered material.
Inhalation:	Remove subject to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician if symptoms persist.
Ingestion:	If a person can swallow, give one glass of water or milk. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to an unconscious person.

7 SPILL OR LEAK PROCEDURES

IT IS MANDATORY TO KNOW AND FOLLOW YOUR LOCAL, STATE AND FEDERAL REGULATIONS ON THE PROPER HANDLING AND DISPOSAL OF THIS MATERIAL.

RECOMMENDED STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED.

Waste Disposal Method:	Dispose of in an approved landfill according to Federal, State and Local regulations.
Small Spills:	Allow material to solidify at room temperature, then scrape up and place in disposal container.
Large Spills:	Same as small spills.

8 SPECIAL PROTECTION INFORMATION

Respiratory Protection: Not normally required. Use NIOSH/MSHA approved respirator if conditions warrant.

Local Exhaust Hot melts should be used with good ventilation.

Eye Protection: Wear safety glasses to reduce the potential for eye contact.

Other Protective Equipment: NA

9 SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING (SEE ALSO SECTIONS 4 & 7):

Avoid breathing vapors/fumes of heated product. Prevent contact with molten product.

10 PREPARATION OF MSDS

Prepared by Regulatory Affairs Department on: 5/5/97

This data was prepared from current, reliable sources, however, Sage Products Inc. makes no warranty regarding its accuracy. Because of conditions beyond our control, it is the user's responsibility to determine safe conditions for usage.

Date Issued: 3/13/02

Revisions: 1st: 10/20/99
2nd: 04/27/00

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MATERIAL SAFETY DATA SHEET

Manufactured for:
Sage Products Inc.
3909 Three Oaks Road
Cary, IL 60013

Manufactured by:
Foamex
1500 E. Second St.
Eddystone, PA 19013

Telephone:
Product Info 815 455 4700
Technical Info 215 499 7824
Chemtrec 800 424 9300

1 PRODUCT IDENTIFICATION

Product Name: **Foam Piece, Toothette**

Product Number(s): 5601, 5602, 5602UT, 5603, 5604A-1, 5699, 5699UT, 6510, 6512, 6513, 6550

Chemical Name: Polyurethane Foam

Chemical Hazard Rating: Health 0
Flammability 1
Reactivity 0

2 HAZARDOUS INGREDIENTS / REPORTED HEALTH EFFECTS

None. Material is a fully cross-linked reaction product of polyhydroxy polyol, toluene di-isocyanate, catalysts, surfactants, pigments, and water.

3 PHYSICAL DATA

Boiling Point:	N/A (solid)	Specific Gravity:	< 1.0
Solubility in Water:	Insoluble.	Evaporation Rate:	None.
Vapor Pressure:	None.	pH =	N/A
Vapor Density:	None.	Appearance & Odor:	Uniform cellular structure. Slight, characteristic odor.

4 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: >500°F

EXTINGUISHING MEDIA: Dry chemical, water, carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus in enclosed areas.

5 REACTIVITY DATA

Stability: Stable.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: High temperature, open flame, strong oxidizers.

Incompatibility (Materials to avoid): Strong oxidizing acids. Will degrade.

Hazardous Decomposition Products: Carbon monoxide, oxides of nitrogen, hydrogen cyanide, acrylonitrile.

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6 HEALTH HAZARD DATA

EMERGENCY AND FIRST AID PROCEDURES:

Eyes: Flush with water.

Skin: N/A

Inhalation: If overexposed to fumes or smoke, remove to fresh air. If respiratory problems persist consult physician.

Ingestion: N/A

7 SPILL OR LEAK PROCEDURES

IT IS MANDATORY TO KNOW AND FOLLOW YOUR LOCAL, STATE AND FEDERAL REGULATIONS ON THE PROPER HANDLING AND DISPOSAL OF THIS MATERIAL.

RECOMMENDED STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED.

Waste Disposal Method: Landfill or incinerate.

Small Spills: Sweep up. No special steps needed.

Large Spills: Sweep up. No special steps needed.

8 SPECIAL PROTECTION INFORMATION

Respiratory Protection: Fumes: organic vapor cartridges. Dusts: use dust mask.

Local Exhaust: Needed for hot wire cutting or flame lamination.

Eye Protection: As appropriate around moving machine parts.

Other Protective Equipment: Dust collection equipment during buffing.

9 SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING (SEE ALSO SECTIONS 4 & 7): STORE AT ROOM TEMPERATURE.

Large quantities should be stored in well sprinklered areas away from heat or open flames.

10 PREPARATION OF MSDS

Prepared by Safety Department on: 12/5/96

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Date Issued: 3/13/02

Revisions:

MATERIAL SAFETY DATA SHEET

Manufactured for:
Sage Products Inc.
3909 Three Oaks Road
Cary, IL 60013

Manufactured by:
U.S. Converting
561 Estes Ave.
Schaumburg, IL 60193

Telephone:
Product Info 815 455 4700
Technical Info 708 980 3833
Chemtrec 800 424 9300

1 PRODUCT IDENTIFICATION

Product Name: Plastic Film

Product Number(s): 4000, 5602, 5602UT, 5604A-1, 6002, 6070, 6075

Chemical Family: Polyolefin

Chemical Name: Mixture

Chemical Formula: $(C_3H_6)_x / [C_2H_4] \times (C_3H_6)_y]_n$

Chemical Hazard Rating:

Health	0
Flammability	0
Reactivity	0

2 HAZARDOUS INGREDIENTS / REPORTED HEALTH EFFECTS

Not considered to be a hazardous material.

3 PHYSICAL DATA

Melting Point:	>310°F	Specific Gravity:	0.91
Solubility in Water:	Negligible.	Evaporation Rate:	N/A
Vapor Pressure:	N/A	pH =	N/A
Vapor Density:	N/A	Appearance & Odor:	Transparent plastic film with no distinct odor.

4 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A

EXTINGUISHING MEDIA: Water spray, dry chemical, foam or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES: The application of high velocity water will spread the burning surface layer. This product has a high heat value.

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5 REACTIVITY DATA

<u>Stability:</u>	Generally stable.
<u>Hazardous Polymerization:</u>	Not likely.
<u>Conditions to Avoid:</u>	Avoid temperatures above 400°F.
<u>Incompatibility (Materials to Avoid):</u>	May burn or react violently with fluorine/oxygen mixtures with 50 to 100% fluorine. May be decomposed by strong oxidizing agents such as nitric and sulfuric acids, hydrogen peroxide, halogens and chlorinating agents.
<u>Hazardous Decomposition Products:</u>	Thermal decomposition products may include, but are not limited to, CO, CO ₂ , acetic acid fumes and formaldehyde.

6 HEALTH HAZARD DATA

EMERGENCY AND FIRST AID PROCEDURES:

Eyes:	Immediately flush eyes with plenty of cool water for at least 15 minutes.
Skin:	Not expected to pose a skin contact hazard. If skin becomes irritated as a result of handling this product, get medical attention.
Inhalation:	Immediately remove victim to fresh air. If victim has stopped breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention immediately.
Ingestion:	Call a physician or poison control center promptly.

7 SPILL OR LEAK PROCEDURES

IT IS MANDATORY TO KNOW AND FOLLOW YOUR LOCAL, STATE AND FEDERAL REGULATIONS ON THE PROPER HANDLING AND DISPOSAL OF THIS MATERIAL.

RECOMMENDED STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED.

Waste Disposal Method:	All recovered material should be packaged, labeled, transported and disposed or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices.
Small Spills:	Use good housekeeping practices since spilled product may pose a slipping hazard.
Large Spills:	Use good housekeeping practices since spilled product may pose a slipping hazard.

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8 SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use NIOSH/MSHA approved respiratory protection equipment if necessary.

Local Exhaust: Use enclosure, local ventilation and dilution ventilation.

Eye Protection: Wear safety glasses when generating dust.

Other Protective Equipment: None.

9 SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING (SEE ALSO SECTIONS 4 & 7):

None.

10 PREPARATION OF MSDS

Prepared by Safety Department on: 1/15/97

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Date Issued: 3/13/02

Revisions: