

800

MATERIAL SAFETY DATA SHEET

9600-01 9601-06
9602-06 7402-10
9607-04 7339-10
9605-06 9604-10

Manufactured by:
Sage Products Inc.
815 Tek Drive
Crystal Lake, IL 60039

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

1 PRODUCT IDENTIFICATION

Product Types: Molded Plastic Products (from Polypropylene Resin)

Sage Finished

Product Numbers: 1509, 1521, 1522, 1525, 2500, 8150, 8508, 8509, 8525, 8526, 8533, 8534, 8536, 8537, 8559, 8801, 8802, 8900, 8901, 8902, 8905, 8906, 8908, 8910, 8920, 8931, 8932, 8933, 8934, 8935, 8936, 8938, 8939, 8950, 8969, 8970, 8972, 8979, 8982, 8985, 8989, 8990, 8991, 8995, 8996, 8998, 9910, 9915, 9920, 9925, 9930, 9940, 9945, 9950, 1522-AC, 1522MEX, 2500-B, 2501-MW, 8501-OMEX, 8501-1, 8501MEX, 8502-0-1, 8502-1, 8502-Y, 8503-0-1, 8503-OMEX, 8503-1, 8507-AC, 8508-MW, 8508-MWB, 8508-Y, 8508-YB, 8508B, 8509-AC, 8510-0-1, 8510-1, 8510-X, 8511-0-1, 8511-OMEX, 8511MEX, 8512-0-1, 8512-0-Y, 8512-1, 8512-AC, 8512-X, 8512-Y, 8513-0-1, 8513-OMEX, 8513-OMW, 8513-1, 8513-AC, 8513-X, 8516-08, 8516-09, 8520-0-1, 8520-1, 8521-0-1, 8521-1, 8521MEX, 8537-MW, 8537-Y, 8556-AT, 8556-D, 8556-GM, 8556-GMR, 8556-GMT, 8556-H, 8556-HC, 8556-HS, 8556-HT, 8900-AC, 8900-MW, 8934B, 8935-Y, 8935B, 8936B, 8938-D, 8938-Y, 8938A, 8938B, 8939B, 8965-0-1, 8965-1, 8965-MW, 8965MEX, 8966-0-1, 8966-1, 8970-AC, 8979-MW, 8980-MW, 8980-S, 8980-SB*A, 8980-Y, 8982-W, 8982YMEX, 8985-MW, 8985-S, 8985-W, 8985MEX, 8989-W, 8989-YB, 8989B, 8990-L, 8991-Y, 8991B, 8991MEX, 8997-S, 8998-S, 8998-SA, 8998-SB, 8998-Y, 8998B, CT4030, CT4104, V8512, V8536, V8900, V8970, V8980B*A, V8985

Reference: OVA8430ZR/RM090

Chemical Family: Polyolefin

Chemical Name: Polypropylene Copolymer; PP

Chemical Formula: $CH_3 - (CH_2 - CH(CH_3))_n - (CH_2-CH_2)_x - CH_3$

Chemical Hazard Rating: Health 0
Fire 1
Reactivity 0

2 HAZARDOUS INGREDIENTS / REPORTED HEALTH EFFECTS

Polymer: Not a hazardous material.

Colorant: Refer to specific MSDS of the colorant.

3 PHYSICAL DATA

Boiling Point:	Not Applicable	Specific Gravity:	0.89 to 0.91
Solubility in Water:	Insoluble	Evaporation Rate:	Not Applicable
Vapor Pressure:	Not Applicable	pH =	Not Applicable
Vapor Density:	Not Applicable		
Appearance & Odor:	Various shapes, colors and sizes; odorless.		

4 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Not Applicable
EXTINGUISHING MEDIA: Water spray, dry chemical foam or carbon dioxide.
SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should wear self-contained breathing apparatus with a full face piece when exposure to smoke, fumes or hazardous decomposition products. The application of high velocity water will spread the burning surface layer.

5 REACTIVITY DATA

Hazardous Polymerization: Not Applicable
Conditions to Avoid: 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, halogens, hydrogen peroxide and chlorinating agents.
Decomposition Products: Thermal decomposition products may include, but are not limited to, carbon, oxides of carbon, water, organic vapors, and fumes.

6 HEALTH HAZARD DATA

EMERGENCY AND FIRST AID PROCEDURES: No identified health hazard when used as intended.

7 SPILL OR LEAK PROCEDURES

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

Spills: None.

Waste Disposal Method: Transfer to an approved disposal area in accordance with Federal, State and local regulations.

8 SPECIAL PROTECTION INFORMATION

Respiratory Protection: Not Required
Local Exhaust Not Required for Normal Use
Eye Protection: Not Required
Other Protective Equipment: None

9 SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: None
OTHER PRECAUTIONS: None

10 PREPARATION OF MSDS

Prepared by Safety Department Date: October 22, 1996
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.

Sage
MATERIAL SAFETY DATA SHEET

9602-06
9603-04

Manufactured for:
Sage Products Inc.
815 Tek Drive
Crystal Lake, IL 60039

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

1 PRODUCT IDENTIFICATION

Product Name: RM035

Product Numbers: 1522, 1525, 2000, 2040, 2110, 8525, 8526, 8527, 8535, 8920, 8933, 8950, 8969, 8970, 8972, 8979, 8980, 8991, 9100, 9915, 9920, 9935, 9945, 1522-AC, 1522MEX, 8525-Y, 8527-R, 8535MEX, 8970-AC, 8970-Y, 8979-C, 8979-MW, 8980-CB*A, 8980-MW, 8980-Y, 8980-Y*A, 8991-Y, 8991B, 8991MEX, V8970, V8980, V8980B*A

Chemical Family: Petrothene

Chemical Name: Polypropylene Copolymer

Chemical Formula: $\text{CH}_3 - (\text{CH}_2 - \text{CH}(\text{CH}_3)_n - \text{CH}_3$

Chemical Hazard Rating: Health 0
Fire 1
Reactivity 0

2 HAZARDOUS INGREDIENTS / REPORTED HEALTH EFFECTS

This products is not a hazardous chemical.

3 PHYSICAL DATA

Boiling Point: Not Applicable Specific Gravity: 0.89 to 0.91

Solubility in Water: Insoluble Evaporation Rate: Not Applicable

Vapor Pressure: Not Applicable pH = Not Applicable

Vapor Density: Not Applicable

Appearance & Odor: Small, white, plastic funnel

4 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Not Applicable

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

SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should wear self-contained breathing apparatus with a full facepiece when exposure to smoke, fumes or hazardous decomposition products.

5 REACTIVITY DATA

Hazardous Polymerization: Not Applicable

Conditions to Avoid: May burn or react violently with fluorine/oxygen mixtures with 50 to 100% fluorine.

Decomposition Products: May be decomposed by strong oxidizing agents such as nitric and sulfuric acids, halogens, hydrogen peroxide and chlorinating products.

6 HEALTH HAZARD DATA

EMERGENCY AND FIRST AID PROCEDURES:

Eyes: Immediately flush eyes with plenty of cool water for at least 15 minutes. Do not rub eyes.

Skin : If contacted with hot plastic, immediately flush area with large amounts of water. Get medical attention.

Inhalation : Remove victim to fresh air. If person has stopped breathing, give artificial respiration. Get medical attention.

Ingestion : Not harmful by swallowing.

7 SPILL OR LEAK PROCEDURES

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

Spills: Use good housekeeping practices since may be a slipping hazard.

Waste Disposal Method: Transfer to an approved disposal area in accordance with Federal, State and local regulations.

8 SPECIAL PROTECTION INFORMATION

Respiratory Protection: Not Required

Local Exhaust Not Required for Normal Use

Eye Protection: Not Required

Other Protective Equipment: None

9 SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

OTHER PRECAUTIONS:

10 PREPARATION OF MSDS

Prepared by Safety Department

Date: October 22, 1996

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Sage
MATERIAL SAFETY DATA SHEET

9600-01
9601-06
9604-10
7402-10
9602-06
9603-04

Manufactured by:
Sage Products Inc.
815 Tek Drive
Crystal Lake, IL 60039

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

1 PRODUCT IDENTIFICATION

Product Types: Molded Plastic Products (EP)

Sage Finished
Product Numbers:

1509, 1510, 1511, 1512, 1525, 2000, 2040, 2050, 2090,
2200, 2201, 2205, 2206, 2210, 2290, 2300, 2450, 2600,
2650, 4050, 4090, 8000, 8150, 8160, 8170, 8180, 8508,
8509, 8525, 8526, 8527, 8533, 8534, 8535, 8536, 8537,
8559, 8900, 8901, 8905, 8906, 8908, 8934, 8935, 8936,
8938, 8939, 8969, 8970, 8979, 8980, 8990, 9100, 9910,
9920, 9925, 9930, 9935, 1510A, 1510B, 2650R, 4090-1, 8502-
0-1, 8502-1, 8502-Y, 8503-0-1, 8503-OMEX, 8503-1, 8507-AC,
8508-MW, 8508-MWB, 8508-Y, 8508-YB, 8508B, 8509-AC, 8512-
0-1, 8512-0-Y, 8512-1, 8512-AC, 8512-X, 8512-Y, 8513-0-1,
8513-OMEX, 8513-OMW, 8513-1, 8513-AC, 8513-X, 8516-08,
8516-09, 8520-0-1, 8520-1, 8520-1C, 8521-0-1, 8521-1,
8521MEX, 8522-0-1, 8522-0-1R, 8522-1, 8522-1R, 8522-MW,
8522RMEX, 8522-Y, 8525-Y, 8527-R, 8532-1, 8532-1R,
8535MEX, 8537-MW, 8537-Y, 8556-AT, 8556-D, 8556-GM, 8556-
GMR, 8556-GMT, 8556-H, 8556-HC, 8556-HS, 8556-HT, 8900-AC,
8900-MW, 8934B, 8935-Y, 8935B, 8936B, 8938-D, 8938-Y,
8938A, 8938B, 8965-0-1, 8965-1, 8965-MW, 8965MEX, 8966-0-
1, 8966-1, 8967-0-1, 8967-0-Y, 8967-1, 8967-MW, 8967-Y,
8967MEX, 8970-AC, 8970-Y, 8979-C, 8979-MW, 8980-CB*A,
8980-MW, 8980-S, 8980-SB*A, 8980-Y, 8980-Y*A, 8985-S,
8990-L, 8990-Y, 8997-S, 8998-S, 8998-SA, 8998-SB, 9000-S,
V2200, V2600, V2650, V8512, V8536, V8900, V8970, V8980

Reference: FIN7822MZ/RM040

Chemical Family: Polymer, Plastic

Chemical Name: Ethylene-Propylene Copolymer

Chemical Formula: (C3H5)X-(C2H2)Y

Chemical Hazard Rating: Health 0
Fire 1
Reactivity 0

2 HAZARDOUS INGREDIENTS / REPORTED HEALTH EFFECTS

Polymer: Not a hazardous material.
Colorant: Refer to specific MSDS of the colorant.

3 PHYSICAL DATA

Boiling Point: Not Applicable Specific Gravity: 0.90
Solubility in Water: Not Applicable Evaporation Rate: Not Applicable
Vapor Pressure: Not Applicable pH = Not Applicable
Vapor Density: Not Applicable
Appearance & Odor: Various shapes, colors and sizes; slight paraffinic odor.

4 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Not Applicable
EXTINGUISHING MEDIA: Dry chemical, CO₂, Foam, Water, and Halon.
SPECIAL FIRE FIGHTING PROCEDURES: Avoid inhalation of vapors. Wear self-contained breathing apparatus when fire fighting in confined areas.

5 REACTIVITY DATA

Stability: Stable
Incompatibility: None
Hazardous Decomposition Products: Carbon Monoxide
Hazardous Polymerization: Not Applicable
Conditions to Avoid: Not Applicable

6 HEALTH HAZARD DATA

No identified health hazard when used as intended.
Eye Contact: Flush with water, if irritation occurs.

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:
None.

Waste Disposal Method: Transfer to an approved disposal area in accordance with Federal, State and local regulations.

8 SPECIAL PROTECTION INFORMATION

Respiratory Protection: Not applicable.
Protective Clothing: Not applicable.
Eye Protection: Not applicable.
Ventilation: Not applicable.
Other Protective Equipment: Not Applicable.

9 SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Not applicable.
OTHER PRECAUTIONS: Not Applicable.

10 PREPARATION OF MSDS

Prepared by Safety Department Date: October 22, 1996
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Sage
MATERIAL SAFETY DATA SHEET

9600-01
9601-06

Manufactured for:
Sage Products Inc.
815 Tek Drive
Crystal Lake, IL 60039

Manufactured by:
Maple Roll Leaf Company
2285 Ambassador Dr.
Windsor, Ontario Canada

Telephone:
Product Info 815 455 4700
Technical Info 519 966 4721
Chemtrec 800 424 9300

1 PRODUCT IDENTIFICATION

Product Name: Hot Stamping Foil - Blue and Orange
Product Number(s): 8508, 8509, 9925, 9930, 8507-AC, 8508-MW, 8508-MWB, 8508-Y, 8508-YB, 8508B, 8509-AC, 8516-08, 8516-09, 8556-AT, 8556-D, 8556-GM, 9556-GMR, 8556-GMT, 8556-H, 8556-HC, 8556-HS, 8556-HT
Chemical Formula: Proprietary composition.
Chemical Hazard Rating: Health 0
Fire 0
Reactivity 0

2 HAZARDOUS INGREDIENTS / REPORTED HEALTH EFFECTS

None known.

3 PHYSICAL DATA

Boiling Point: N/A **Specific Gravity:** Not determined.
Solubility in Water: Insoluble. **Evaporation Rate:** N/A
Vapor Pressure: N/A **pH =** N/A
Vapor Density: N/A
Appearance & Odor: Blue or orange coated foil.

4 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A
EXTINGUISHING MEDIA: Water, CO2, dry chemical.
SPECIAL FIRE FIGHTING PROCEDURES: Wear approved self-contained breathing apparatus.

5 REACTIVITY DATA

<u>Stability:</u>	Stable.
<u>Hazardous Polymerization:</u>	Will not occur.
<u>Conditions to Avoid:</u>	None.
<u>Incompatibility (Materials to avoid):</u>	Strong acids, strong bases.
<u>Hazardous Decomposition Products:</u>	Incomplete combustion may produce carbon monoxide and carbon dioxide as with any plastic material.

6 HEALTH HAZARD DATA

EMERGENCY AND FIRST AID PROCEDURES:

Eyes: Flush eyes with water. Seek medical attention.

Skin : Wash thoroughly with soap and water.

Inhalation : Remove person to fresh air.

Ingestion : Seek medical attention.

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: Non hazardous waste. Approved landfill preferred. Must conform to Federal, State and Local regulations.

Small Spills: Pick up film to prevent slipping hazard.

Large Spills: Pick up film to prevent slipping hazard.

8 SPECIAL PROTECTION INFORMATION

Respiratory Protection: Not required.

Local Exhaust Not required.

Eye Protection: Not required.

Other Protective Equipment: Not required.

9 SPECIAL PRECAUTIONS

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

Keep dry and away from sources of heat and flame.

10 PREPARATION OF MSDS

Prepared by Safety Department

Date: October 22, 1996

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4 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: >200°F
EXTINGUISHING MEDIA: Foam, CO2, dry chemical, water fog.
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and full protective clothing.

5 REACTIVITY DATA

Stability: Stable.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: None known.
Incompatibility (Materials to avoid): None known.
Hazardous Decomposition Products: May produce carbon monoxide and/or carbon dioxide, and other hazardous components. Persons exposed to combustion products should wear self-contained breathing apparatus.

6 HEALTH HAZARD DATA

EMERGENCY AND FIRST AID PROCEDURES:

Eyes: Flush with water for 15 minutes. Seek medical attention.
Skin : Wash with mild soap and water. Seek medical help if necessary.
Inhalation : No data.
Ingestion : Call a physician.

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: Refer to Federal, State, and Local regulations for proper method of disposal.

Small Spills: Contain spill, soak up with inert absorbent and place in proper container for disposal in accordance with all Federal, State and Local regulations.

Large Spills: Same as small spills.

8 SPECIAL PROTECTION INFORMATION

Respiratory Protection: Normally not required, but a dust mask approved by NIOSH may be used if dust is encountered.

Local Exhaust Provide sufficient ventilation to minimize exposure.

Eye Protection: Safety glasses/goggles with side shields.

Other Protective Equipment: N/A

9 SPECIAL PRECAUTIONS

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

Store in cold, dry place, away from heat and open flame.

10 PREPARATION OF MSDS

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