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## MATERIAL SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Product Name:** Sculpey® SuperFlex Bake & Bend®

**Product Use:** Oven hardening modeling material for hobby use

**Manufacturer:**

Polyform Products Company  
1901 Estes Avenue  
Elk Grove Village, IL 60007 USA  
Phone: 1-847-427-0020  
info@polyformproducts.com  
www.sculpey.com

**Emergency Telephone Number:**

1-847-427-0020  
Only available during office hours  
Monday - Thursday 7 AM - 4 PM CST

Date of Preparation: 09/18/2012

### SECTION 2: HAZARD IDENTIFICATION

**Emergency Overview**

Do not inhale fumes during baking. Overheating oven hardening polymer clays will result in blackening and release of irritating gases including hydrogen chloride vapor.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Components</u>	<u>CAS number</u>	<u>Weight %</u>
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Oven hardening modeling material composed of polyvinyl chloride, plasticizer, fillers and colorants. This material contains no dangerous substances to be declared.

### SECTION 4: FIRST AID MEASURES

<b>Eye Contact:</b>	Rinse eye thoroughly with plenty of water. If symptoms persist, seek medical attention.
<b>Skin Contact:</b>	Wash with soap and water.
<b>Ingestion:</b>	Wash out mouth with water. If symptoms persist, seek medical attention.
<b>Inhalation:</b>	Seek fresh air after inhalation of fumes in the case of overheating material in oven.

### SECTION 5: FIRE-FIGHTING MEASURES

<b>Flash Point:</b>	n/a
<b>Autoignition Temperature:</b>	n/a
<b>Explosion Limits in Air:</b>	Not explosive
<b>Extinguishing Agents:</b>	Use water spray jet, foam, carbon dioxide, dry chemical.
<b>Hazardous Decomposition Products:</b>	In the case of overheating in oven, carbon monoxide, carbon dioxide and noxious hydrochloric acid vapors.
<b>Special Protective Equipment for Fire Fighters:</b>	Wear self-contained breathing apparatus with full face piece and protective clothing.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** None. In case of overheating material, turn off oven. Ventilate area by opening nearest window. Seek fresh air, if fumes are inhaled.  
**Environmental Precautions:** Contain spill.  
**Methods for Cleaning Up:** Collect and reuse or dispose with domestic refuse.

**SECTION 7: HANDLING AND STORAGE**

**Handling:** Do not heat above 175°C (350°F), allow to come in contact with an open flame or use with a hot knife or wire. Use oven thermometer when hardening material in oven. Do not use microwave oven for baking. Do not overbake. Do not exceed the recommended baking temperature or time. Wash hands with soap and water after use.

**Storage:** Store unused material in a cool, dry place preferably in a sealed non-reactive container.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Limits:** No threshold exposure limit values known.  
**Eye Protection:** n/a  
**Skin and Body Protection:** n/a  
**Respiratory Protection:** n/a

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Color:</b>	Various	<b>pH:</b>	n/a
<b>Appearance:</b>	Solid, malleable	<b>Solubility in Water:</b>	Not soluble
<b>Odor:</b>	Characteristic	<b>Reactivity in Water:</b>	Non-reactive
<b>Boiling Point:</b>	n/a	<b>Specific Vapor Density (Air=1):</b>	n/a
<b>Melting Point:</b>	n/a	<b>Vapor Pressure:</b>	n/a

**SECTION 10: STABILITY AND REACTIVITY**

**Stability:** Product is stable.  
**Polymerization:** Not known to occur.  
**Hazardous Decomposition Products:** Hydrochloric acid vapors  
**Materials to Avoid:** None  
**Conditions to Avoid:** None when used as intended.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Effects and Symptoms of Acute Exposure:** None expected.  
**Effects and Symptoms of Chronic Exposure:** None expected.

**Carcinogen Listing**

**NTP:** No      **IARC:** No      **OSHA:** No

**SECTION 12: ECOLOGICAL INFORMATION**

No harmful effects to the environment are known if material is used as intended and disposed of in the appropriate manner.

**SECTION 13: DISPOSAL CONSIDERATIONS**

If recycling is not available, dispose with domestic refuse. Observe all federal, state and local regulations.

**SECTION 14: TRANSPORT INFORMATION**

U.S. Department of Transportation Ground (49 CFR):  
Proper Shipping Name: Not Regulated

**SECTION 15: REGULATORY INFORMATION**

This material is not classified as hazardous.  
This material has been reviewed by a toxicologist in the US and carries the AP seal from the Art & Creative Materials Institute (ACMI). The labeling conforms to US 16 CFR 1500-14 and ASTM D-4236.

**SECTION 16: OTHER INFORMATION**

n/a: not applicable

This MSDS applies to the following colors which are associated with hazardous and/or non-hazardous ingredients.

<u>Sculpey® SuperFlex Bake &amp; Bend®</u>	<u>Hazardous Ingredients</u>
WHITE	NO
BLACK	NO
BLUE	NO
YELLOW	NO
BEIGE	NO
GREEN	NO
ORANGE	NO
RED	NO
HOT PINK	NO
PURPLE	NO
AQUA	NO

The MSDS supersedes a previous MSDS dated: 05/11/2009  
Prepared by: K. Rush 09/18/2012

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