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## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Product Name:** Studio™ by Sculpey® Glossy Glaze, Studio™ by Sculpey® Satin Glaze

**Product Use:** Polyurethane aqueous dispersion for hobby use

**Manufacturer:**

Polyform Products Company  
1901 Estes Avenue  
Elk Grove Village, IL 60007 USA  
Phone: 1-847-427-0020

**Emergency Telephone Number:**

1-847-427-0020  
available only during office hours

Date of Preparation: 11-19-2007

### 2. HAZARD IDENTIFICATION

**Emergency Overview**

Use ventilation necessary to keep exposures below recommended exposure limits, if any.

**Potential Health Hazards**

**Eye Contact:** Causes eye irritation.  
**Skin Contact:** Substance may cause slight skin irritation.  
**Ingestion:** Substance may be harmful if swallowed.  
**Inhalation:** Low hazard if used according to manufacturer's instructions.  
**Chronic Exposure:** No information.  
**Primary Routes of Entry:** Skin contact, skin absorption, inhalation, ingestion and eye contact.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS number	Weight %	ACGIH TLV-TWA	OSHA PEL-TWA	OSHA PEL-CEILING
Dipropylene Glycol Monomethyl Ether	34590-94-8	less than 5%	100ppm	N.E.	N.E.
Dipropylene Glycol Monobutyl Ether	29911-28-2	less than 5%	N.E.	N.E.	N.E.

Ingredients not identified are proprietary and non-hazardous.

### 4. FIRST AID MEASURES

**Eye Contact:** Hold eyelids apart and flush with plenty of water for at least 15 minutes. Get medical attention.

**Skin Contact:** Wash with soap and water. Get medical attention if irritation develops or persists.

**Ingestion:** Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention.

**Inhalation:** Remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

## 5. FIRE-FIGHTING MEASURES

<b>Flash Point:</b>	96.11°C (205°F) CALC
<b>Autoignition Temperature:</b>	n/a
<b>Explosion Limits in Air:</b>	LEL: 0.6% (V) UEL: 17.0%
<b>Extinguishing Agents:</b>	Use water fog, foam, carbon dioxide, dry chemical.
<b>Hazardous Decomposition Products:</b>	Carbon oxides, nitrogen oxides and ammonia.
<b>Special Protective Equipment for Fire Fighters:</b>	Wear self-contained breathing apparatus with full face piece and protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Clothing should be sufficient to minimize contact.
<b>Environmental Precautions:</b>	Contain spill. Soak up material with absorbent towel.
<b>Methods for Cleaning Up:</b>	Collect and reuse or dispose with domestic refuse. Dispose according to local, state, and federal regulations.

## 7. HANDLING AND STORAGE

**Handling:** Prevent skin and eye contact. Avoid breathing vapors. Use product in a well ventilated area. Wash hands with soap and water after use.

**Storage:** Keep container tightly sealed. Store in a cool, well ventilated area away from heat, sources of ignition, direct sunlight, and incompatible materials. Keep from freezing.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Eye Protection:</b>	None. Prevent eye contact.
<b>Skin and Body Protection:</b>	Clothing should be sufficient to minimize contact. Use gloves to prevent prolonged skin contact.
<b>Respiratory Protection:</b>	None. Avoid breathing vapors. Use product in well ventilated area.
<b>Hygienic Practices:</b>	Wash hands thoroughly with soap and water after use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Slightly cloudy, particle free liquid	<b>Solubility in Water:</b>	Good
<b>Odor:</b>	Ammonia-like	<b>Reactivity in Water:</b>	Non-reactive
<b>Boiling Point:</b>	(26.66 -537.22°C) 80 – 999°F	<b>Density:</b>	No data
<b>Melting Point:</b>	n/a	<b>Relative Vapor Density:</b>	Heavier than air
<b>pH:</b>	8.8 - 9.2	<b>Vapor Pressure:</b>	No data

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Product is stable.
<b>Polymerization:</b>	Not known to occur under normal conditions.
<b>Hazardous Decomposition Products:</b>	When heated to decomposition, product emits acid smoke and irritating fumes. By open flame, carbon monoxide and carbon dioxide.
<b>Materials to Avoid:</b>	Incompatible with strong oxidizing agents, strong acids and strong bases.
<b>Conditions to Avoid:</b>	Avoid contact with strong acids and strong bases.

## 11. TOXICOLOGICAL INFORMATION

Contact the addressee in Section 1 for product toxicology information.

### **Carcinogen Listing**

NTP: N.D. IARC: N.D. OSHA: N.D.

## 12. ECOLOGICAL INFORMATION

No data is available for the effects to the environment if material is used as intended and disposed of in the appropriate manner.

## 13. DISPOSAL CONSIDERATIONS

If recycling is not available, dispose with domestic refuse. Observe all federal, state and local regulations. Do not allow to enter storm drains or sewer systems.

## 14. TRANSPORT INFORMATION

Not regulated by US DOT.

## 15. REGULATORY INFORMATION

**TSCA** (TSCA Substances Control Act): All ingredients are on the TSCA Chemical Substances Inventory.

**SARA** Title III (Emergency Planning and Community Right-to-Know Act) Section 313 Reportable Ingredients: NONE

### **U.S. State Regulations: As follows-**

#### **New Jersey Right-to-Know:**

The following materials are non-hazardous, but are among the top five components in this product.

<u>Chemical Name</u>	<u>CAS Number</u>
Water	7732-18-5
Acrylic Emulsion	Proprietary
Polyurethane Dispersion	Proprietary

#### **Pensylvania Right-to-Know:**

The following non-hazardous ingredients are present in the product at greater than 3%:

<u>Chemical Name</u>	<u>CAS Number</u>
Water	7732-18-5
Acrylic Emulsion	Proprietary
Polyurethane Dispersion	Proprietary

#### **California Proposition 65:**

This product contains no known chemicals known by the State of California to cause cancer.

This product contains no known chemicals known by the State of California to cause birth defects or other reproductive harm.

**International Regulations: As follows-**

**CEPA** (Canadian Environmental Protection Act): All components are on the DSL (Domestic Substances List).

**Canada**

WHMIS Classifications: Class D, Division 2B, Toxic Material at >1%.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

<b>16. OTHER INFORMATION</b>
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n/a: not applicable, N.E.: Not Established, N.D.: Not Determined

HMIS Rating    Health=1    Flammability=1    Reactivity=0

NFPA Rating    Health=1    Flammability=1    Reactivity=0

Volatile Organic Compounds, GR/LTR: 278

Prepared by: K. Rausch 11/19/2007

The information contained herein is provided in good faith and is subject to change without notice. It is believed to be accurate and represents the best information currently available to us. However, we make no warranty, fitness for a particular purpose or of any other type, expressed or implied, with respect to products described or data or information provided. We assume no liability resulting from the use of such products, data or information. Users should determine the suitability of the information for their particular purpose. The user assumes all risk arising from their use of the material. The user is required to comply with all laws and regulations relating to the purchase, use, storage and disposal of the material and must be familiar with and follow generally accepted safe handling procedures.



## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Product Name:** Original Sculpey®, Sculpey III®, Super Sculpey®, Super Sculpey® Firm, Sculpey® MOLDBAKER™ & POLYMER CLAY CONDITIONER, Granitex™, Premo! Sculpey®, Sculpey SuperFlex BAKE & BEND®, Amazing! Eraser Clay!®, Sculpey® UltraLight™, Sculpey® Keepsake Clay

**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

Emergency Telephone Number:

1-847-427-0020  
available only during office hours

Date of Preparation: 01-21-2008

### 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.

### 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.

### 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.

### 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.

Original Sculpey®, Sculpey III®, Super Sculpey®, Super Sculpey® Firm, Sculpey® MOLDBAKER™ & POLYMER CLAY CONDITIONER, Granitex™, Premo! Sculpey®, Sculpey SuperFlex BAKE & BEND®, Amazing! Eraser Clay!®, Sculpey® UltraLight™, Sculpey® Keepsake Clay

## 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.

## 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.

## 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

## 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

## 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.

## 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

## 12. ECOLOGICAL INFORMATION

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

### 13. DISPOSAL CONSIDERATIONS

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

### 14. TRANSPORT INFORMATION

Not regulated by US DOT.

### 15. REGULATORY INFORMATION

Material is non-hazardous and not to be labeled.

This product has been reviewed by a toxicologist and carries the AP seal.

The labeling conforms to ASTM D-4236.

### 16. OTHER INFORMATION

n/a: not applicable

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

#### Products

#### Colors with Hazardous Ingredients

Original Sculpey®	None
Sculpey III®	None
Sculpey® MOLDBAKER™ & POLYMER CLAY CONDITIONER	None
Granitex™	None
Premo! Sculpey®	None
Sculpey SuperFlex BAKE & BEND®	None
Amazing! Eraser Clay!®	None
Sculpey® UltraLight™	None

The MSDS supersedes a previous MSDS dated: 8/23/2007

Prepared by: K. Rausch 1/21/2008

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