



## SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION

**Product Identifiers:**

**Product Trade Name:** Sculpey® Bake & Bond  
**Product Use:** Bakeable adhesive for polymer clay for hobby use  
**Restrictions on Use:** Not for use by children.

**Details of the Manufacturer/Supplier:**

**Company Name:** Polyform Products Company, Inc.  
**Address:** 1901 Estes Avenue  
Elk Grove Village, IL 60007 USA  
**Telephone:** 1-847-427-0020  
**Website:** www.sculpey.com  
**Email:** info@polyformproducts.com  
**Contact Person:** Kimberly Rush

**Emergency Telephone Numbers:**

For transportation emergencies only, call: 1-847-427-0020  
For health emergencies, call the Poison Control center: 1-800-222-1222

### SECTION 2: HAZARD(S) IDENTIFICATION

Information in accordance with 29 CFR 1910.1200 (Hazcom 2012) in effect May 25, 2012:

Classification of the chemical in accordance with 29 CFR 1910.1200(d):

**Physical Hazards:** Not classified.  
**Health Hazards:** Not classified.  
**Environmental Hazards:** None.  
**OSHA Defined Hazards:** None.  
**Label Elements:**  
**Hazard Symbol:** None.  
**Signal Word:** None.  
**Hazard Statement:** None.  
**Precautionary Statement:**  
**Prevention:** Avoid release to the environment.  
**Response:** Wash hands after handling.  
**Storage:** Store away from incompatible materials.  
**Disposal:** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise**

**Classified (HNOC):** None known.

**Supplemental Information:** Do not inhale fumes during baking. Overheating liquid adhesive material will result in blackening and release of irritating gases including hydrogen chloride vapor.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Mixture:**

<u>Chemical Name</u>	<u>CAS Number</u>	<u>PEL/TLV</u>	<u>Max Weight %</u>	<u>NTP</u>	<u>IARC</u>
None					

Liquid adhesive material for polymer clay is composed of polyvinyl chloride, plasticizer and additives. Remaining components are proprietary, non-hazardous and/or present at amounts below reportable limits. Exact percentage values for components are proprietary in accordance with 29 CFR 1910.1200(i).

#### SECTION 4: FIRST AID MEASURES

##### Description of First Aid Measures:

**General:** If irritation or other symptoms occur or persist from any route of exposure see a physician/get medical attention.

**Eye Contact:** Any material that contacts the eye should be washed out immediately with water for 5-10 minutes. Seek medical attention if symptoms occur.

**Skin Contact:** Wash the affected area thoroughly with plenty of soap and water. Seek medical attention if symptoms occur.

**Inhalation:** Seek fresh air after inhalation of fumes in the case of overheating material in oven. Seek medical attention if symptoms occur.

**Ingestion:** Wash out mouth with water. If symptoms persist, seek medical attention.

**Protection of First Aid Responders:** Wear proper personal protective clothing and equipment.

**Most important symptoms and effects, both acute and delayed:** Irritation. Pre-existing skin problems may be aggravated by prolonged or repeated exposure.

**Indication of any immediate medical attention and special treatment needed, if necessary:**  
Treat symptomatically.

#### SECTION 5: FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Use water spray jet, foam, carbon dioxide, ABC dry chemical.

**Unsuitable Extinguishing Media:** None known.

**Specific Hazards Arising from the Chemical:** In the case of overheating in oven, carbon monoxide, carbon dioxide and noxious hydrochloric acid vapors may be formed.

**Special Protective Equipment and precautions for firefighters:** Wear self-contained breathing apparatus with full face piece and full protective clothing.

**Fire Fighting Equipment Instructions:** Move containers from fire area if you can do so without risk.

**Specific Methods:** Use standard firefighting procedures and consider the hazards of other materials involved.

**General Fire Hazards:** No unusual fire or explosion hazards noted.

**Flash Point:** n/a

**Autoignition Temperature:** n/a

**Explosion Limits in Air:** Not explosive

**Hazardous Decomposition Products:** In the case of overheating in oven, carbon monoxide, carbon dioxide and noxious hydrochloric acid vapors.

**Special Protective Equipment for Fire Fighters:** Wear self-contained breathing apparatus with full face piece and protective clothing.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures:** None expected. In case of overheating material, turn off oven. Ventilate area by opening nearest window. Seek fresh air. If fumes are inhaled, see section 4 of the SDS.

**Methods and materials for Containment and Cleaning Up:** Collect and reuse or dispose with domestic refuse in accordance with all applicable regulations. For waste disposal, see Section 8 of the SDS.

**Environmental Precautions:** Avoid release to the environment.

## SECTION 7: HANDLING AND STORAGE

**Precautions for Safe Handling:** Good industrial hygiene requires that exposure be maintained below the TLV. This is preferably achieved through using the product under well-ventilated conditions. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Avoid eye contact. Avoid repeated or prolonged skin contact. Avoid inhalation of fume or vapor. Avoid drinking, tasting, swallowing or ingesting this product. Wash contaminated clothing before reuse.

**Conditions for Safe Storage, Including and Compatibilities:** Store unused material in a cool, dry place preferably in a sealed non-reactive container.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters:

**Occupational Exposure Limits:** No applicable exposure limits.  
**Biological Limit Values:** No biological exposure limits not for the ingredient(s).  
**Appropriate Engineering Controls:** Good general ventilation should be used.

### Individual Protection Measures, Such as Personal Protective Equipment

**Eye/Face Protection:** When sanding, wear protective goggles or a face shield.  
**Skin and Body Protection:** n/a  
**Respiratory Protection:** In case of insufficient ventilation, wear suitable respiratory protection.  
**General Hygiene Considerations:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. 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 an oven thermometer when hardening material in oven. Do not use a microwave oven for baking. Do not overbake. Do not exceed the recommended baking temperature or time.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Color:</b>	Opaque White	<b>pH:</b>	n/a
<b>Appearance:</b>	Viscous liquid	<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

**Reactivity:** The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical Stability:** Material is stable under normal conditions.

**Possibility of Hazardous Reactions:** No dangerous reaction known under conditions of normal use.

**Conditions to Avoid:** None.

**Incompatible Materials:** Items made of PVC, polystyrene

**Hazardous Decomposition Products:** Hydrochloric acid vapors

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure:

**Inhalation:** Prolonged inhalation may be harmful.

**Skin Contact:** No adverse effects due to skin contact are expected.

**Eye Contact:** Direct contact with the eye may cause temporary irritation.

**Ingestion:** Expected to be a low ingestion hazard.

### Symptoms relating to the physical, chemical and toxicological characteristics

#### Information on Toxicological Effects:

##### Acute Toxicity:

**Acute Effects Associated with use of this Material:** None expected

The summated LD50 is >12205 mg/kg. The summated LC50 is 77174 mg/cubic meter.

**Skin Corrosion/Irritation:** Prolonged skin contact may cause temporary irritation.

**Serious Eye Damage/Eye Irritation:** Direct contact with the eye may cause temporary irritation.

#### Respiratory or Skin Sensitization:

**Respiratory Sensitization:** Not a respiratory sensitizer.

**Skin Sensitization:** This product is not expected to cause skin sensitization.

**Germ Cell Mutagenicity:** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity:** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

#### Carcinogen Listing – see Section 3 of SDS

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

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) – not listed**

**Reproductive Toxicity:** This product is not expected to cause reproductive or developmental effects.

**Specific Target Organ Toxicity – Single Exposure:** Not classified.

**Specific Target Organ Toxicity – Repeated Exposure:** Not classified.

**Aspiration Hazard:** Not an aspiration hazard.

**Chronic Effects:** Prolonged inhalation may be harmful.

## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available. No harmful effects known other than those associated with suspended inert solids in water.

**Persistence and Degradability:** No data is available on the degradability of this product.

**Bioaccumulative Potential Mobility in Soil:** No data available.

**Other Adverse Effects:** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected for this product.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Disposal Instructions:** Collect and reclaim or dispose in sealed container. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds or waterways with product. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local Disposal Regulations:** Dispose in accordance with all applicable regulations.

**Waste from Residues/Unused Products:** Dispose in accordance with all applicable regulations.

**Contaminated Packaging:** Dispose in accordance with all applicable regulations.

## SECTION 14: TRANSPORT INFORMATION

**UN Number:** N/A

**UN Proper Shipping Name:** Not Regulated

**Transport Hazard Class(es):**

**US DOT (49 CFR 172.101):** Not regulated as a dangerous good.

**Canada TDG Hazard Class:** N/A

**IMDG Code (ocean) Hazard Class:** N/A

**Europe ADR/RID Hazard Class:** N/A

**ICAO/IATA (air) Hazard Class:** N/A

A "N/A" listing for the hazard class indicates the product is not regulated for transport by that regulation.

**Packing Group: N/A**

**Environmental Hazards:**

**Marine Pollutant:** Not Applicable.

**Hazardous Substance (USA):** Not Applicable.

**Transport in Bulk according to Annex II of MARPOL 73-78 and IBC Code:** Not Applicable.

**Special Precautions for User:** Not Applicable.

**SECTION 15: REGULATORY INFORMATION**

**Contents of the SDS Comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200**

**US Federal Regulations:**

**EPA SARA TITLE III Chemical Listings:** None

**SARA Section 302.4 (40 CFR 355) Extremely Hazardous Substance:** None

**Section 313 Toxic Chemicals (40 CFR 372):** None

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):** None

**CERCLA Hazardous Substances List (40 CFR 302.4):** Not Listed

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):** Not Listed

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:** Not Regulated

**Clean Air Act (CAA) Section 112® Accidental Release Prevention (40 CFR 68.130):** Not Regulated

**Safe Drinking Water Act (SDWA):** Not Regulated

**US State Regulations:**

**California Proposition 65:**

**The following ingredients present in the product are known to the State of California to cause Cancer, Birth Defects, or Reproductive Harm:** None known to be present

**Washington Children's Safe Products Act – Chemicals Requiring Notification:** None

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.

Under CPSC's Consumer Product Regulations (16 CFR 1500.3 and 1500-14), this product has the following required acute and chronic hazard labeling: None

**International Regulations:**

**Canadian WHMIS:** This product is a controlled product under Canada's Workplace Hazardous Materials Information System. It contains the following toxic or highly toxic materials: None

**Canadian Ingredient Disclosure List:** None known to be present or none in reportable amounts.

**Mexico Regulations/Legislation:** This SDS contains the information required by NOM-018-STPS-2000 Workplace Hazardous Chemical Substances Communication and Identification Standard.

**SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION**

**Issue Date:** 10/28/2015

**Version #:** 1

**Disclaimer:**

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