

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

071558139

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

071557990 071558006 071558014 071558022 071558030 071558048 071558055 071558063 071558113 071558121

071558147 071558154 071558162 071558170 071558188

# Material Safety Data Sheet

## Section I. Product and Manufacturer Identification

Product Name: **PolyShok™** (Polypur TPU 3370A-01)  
Description: Custom Compounded Plastic Sheets  
Item Numbers: 62900 – 62959  
Distributed By: Buffalo Dental Mfg. Co., Inc., 129 Lafayette Dr., Syosset, NY 11791-0678  
Information #: 516.496.7200

Last Revision: Mar. 27, 2000  
Issue Date: Feb. 12, 2003  
Prepared By: ARL

Emergency #: 516.496.7200

## Section II. Hazardous Ingredients

Chemical Name: This product does not contain chemicals that are considered hazardous under 29 CFR 1910.1200

Does this product require reporting under SARA Title III? No

Do the components of this product comply with TSCA? Yes

## Section III. Hazards Identification

Primary routes of entry are ingestion of particles or inhalation of fumes from heating or dust from grinding. Ingestion is a low health risk because components are encapsulated within the material. Inhalation of dust is possible in a grinding area, and potential for exposure exceeding applicable PEL may exist. Ensure adequate ventilation (or respiratory protection) is in use for fumes or dust.

## Section IV. First Aid Measures

The most probable injury associated with this product is thermal burns during handling. Hot plastic can stick to the skin and aggravate burns. If a burn occurs, cool the area as soon as possible. Use cool water, not ice. If plastic sticks to the skin do not remove. SEEK MEDICAL HELP. If dust should get in eyes, use available eyewash and seek medical attention. If excess dust or fumes are inhaled, seek medical attention. If particles are ingested seek medical help. Do not induce vomiting. SEEK MEDICAL HELP.

## Section V. Fire Fighting Measures

The flash point of this material is over 400 degrees F. If a fire should occur, toxic fumes and gasses may be emitted. Wear self-contained breathing apparatus when fighting a fire. Carbon Monoxide and other toxic substances may be in the air. Fire and explosion can occur from dust build-up. Use proper grounding and bonding techniques where dust concentrations are possible. Fight fires with water, CO2, or dry chemicals.

## Section VI. Accidental Release Measures

This product as shipped to customers is non-hazardous. If a spill should occur, gather or sweep the material into proper containers and reuse or dispose according to applicable federal, state or local regulations. If product is spilled in open environment it can float into waterways. Fish and other wildlife may mistake it for food.

## Section VII. Handling and Storage

This product is normally shipped in plastic bags. The plastic may burn in the presence of open flame. Do not weld or use open flame in areas where this product is being stored. Have proper fire fighting products and procedures available at all times.

## Section VIII. Exposure Controls and Protective Equipment

Refer to the recommendations in Sections III, IV, and V.

## Section IX. Physical and Chemical Properties

The product is shipped as sheets with a VOC content of less than 5 PPM. Density will vary depending on color and components from .85 to 1.5. Therefore the product can sink or float in water depending on the properties. The product is not soluble in water and is odorless at ambient temperature. During heating a slight plastic odor may be present. Use of localized ventilation recommended.

## Section X. Stability and Reactivity

This product is stable and non-reactive. Hazardous decomposition of products can occur if overheated or ignited.

## Section XI. Toxicological Information

The following chemicals are listed as known or suspected carcinogens per the National Toxicology Program (NTP), International Agency for Cancer Research (IARC), or California Proposition 65: Antimony Trioxide, Arsenic (Inorganic), Cadmium Compounds, Carbon Black, Chromium Compounds, Di(ethylhexyl) Phthalate, Lead Compounds, Nickel Compounds, or Crystalline Silica. If any of these chemicals are present in reportable weights within the product, they will be listed in Section II.

## Section XII. Ecological Information

Refer to Section VI.

## Section XIII. Disposal Measures

This product is non-hazardous as it arrives. If grinding occurs some of the components may present an environmental disposal problem. Refer to applicable federal, state, and local regulations.

## Section XIV. Transportation Information

This product is not a regulated substance under Dept. of Transportation (DOT) regulations.

## Section XV. Regulatory Information

Reference Section II.

## Section XVI. Other

CAS = Chemical Abstract Number  
TSCA = Toxic Substance Control Act  
VOC = Volatile Organic Chemical

OSHA = Occupational Safety and Health Admin.  
SARA = Superfund Amendments & Reclamation Act  
N/E = Not Established

PEL = Permissible Exposure Limit  
TWA = Time Weighted Average  
PPM = Parts Per Million



# Safety Data Sheet

Issue Date 01-Dec-2015

Revision Date: 01-Dec-2015

Version 1

## 1. IDENTIFICATION

### Product Identifier

Product Name PolyShoK Mouthguard Material

### Other means of identification

SDS # SLI-001

### Recommended use of the chemical and restrictions on use

Recommended Use Sheet resins to form mouth guards.

### Details of the supplier of the safety data sheet

#### Supplier Address

Sportsguard  
Laboratories, Inc..  
821 W. Main St.  
Kent, OH 44240

### Emergency Telephone Number

#### Emergency Telephone

800-401-1776

#### Company Phone Number

330-673-6932

800-401-1776

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

Appearance Soft, pliable material

Physical State Solid

Odor Odorless

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	weight-%
Ethylene-Vinyl Acetate Copolymer	24937-78-8	80
Styrene Isoprene Butadiene Copolymer		20

## 4. FIRST-AID MEASURES

### First Aid Measures

#### Eye Contact

Rinse thoroughly with plenty of water, also under the eyelids.

#### Skin Contact

Contact with heated material may cause thermal burns. Do not attempt to remove material from skin. Cool rapidly with cold water. Get medical attention. Treat burns like thermal burns.

#### Inhalation

No known hazardous effects. If symptoms occur, remove to fresh air.

#### Ingestion

None under normal use conditions.

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**Most important symptoms and effects**

Symptoms	May cause mechanical eye irritation. Inhalation of dust may cause mechanical irritation to the respiratory tract. Skin contact may cause mechanical irritation due to an abrasion. Fumes produced during thermal process may cause irritation.
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**Indication of any immediate medical attention and special treatment needed**

Notes to Physician	Treat symptomatically.
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<b>5. FIRE-FIGHTING MEASURES</b>
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**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Not determined.

**Specific hazards arising from the chemical**

Toxic products of combustion.

Hazardous Combustion Products Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Vinyl acetate. Acetic acid.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

<b>6. ACCIDENTAL RELEASE MEASURES</b>
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**Personal precautions, protective equipment and emergency procedures**

Personal Precautions	Use personal protective equipment as required. For large spills, evacuate the hazard area of unprotected personnel. Spills may be slippery.
Environmental Precautions	See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up	Clean up spills immediately and place in appropriate containers.

<b>7. HANDLING AND STORAGE</b>
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**Precautions for safe handling**

Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice.
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**Conditions for safe storage, including any incompatibilities**

Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from sunlight. Store away from heat, sparks, flame.
Incompatible Materials	None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

No exposure limits noted for ingredient(s)

### Appropriate engineering controls

#### Engineering Controls

None under normal use conditions.

### Individual protection measures, such as personal protective equipment

#### Eye/Face Protection

Wear safety glasses with side shields (or goggles). Wear face shield during thermal process.

#### Skin and Body Protection

Wear a thermal insulating glove when handling molten product. Wear long-sleeved shirt, long pants, and shoes plus socks.

#### Respiratory Protection

Use in well-ventilated area.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

#### Physical State

Solid

#### Appearance

Soft, pliable material

#### Color

Not determined

#### Odor

Odorless

#### Odor Threshold

Not determined

### Property

### Values

### Remarks • Method

pH

Not applicable

Melting Point/Freezing Point

Not applicable

Boiling Point/Boiling Range

Not applicable

Flash Point

Not applicable

Evaporation Rate

Not applicable

Flammability (solid, gas)

Not determined

Upper Flammability Limits

Not applicable

Lower Flammability Limit

Not applicable

Vapor Pressure

Not applicable

Vapor Density

Not applicable

Relative Density (Specific Gravity)

Not applicable

Water Solubility

Insoluble in water

Solubility in other solvents

Not determined

Partition Coefficient

No data available

Autoignition Temperature

260 °C / 500 °F

Decomposition Temperature

No data available

Kinematic Viscosity

Not determined

Dynamic Viscosity

Not determined

Explosive Properties

Not determined

Oxidizing Properties

Not determined

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

#### Possibility of Hazardous Reactions

None under normal processing.

#### Hazardous Polymerization

Hazardous polymerization does not occur.

#### Conditions to Avoid

Avoid direct sunlight. Heat, flames and sparks.

#### Incompatible Materials

None known based on information supplied.

#### Hazardous Decomposition Products

Carbon oxides, acetic acid, Vinyl acetate.

### 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

##### Product Information

##### Eye Contact

Avoid contact with eyes.

##### Skin Contact

Under normal processing conditions, material is heated to elevated temperatures; contact with the material can cause thermal burns.

##### Inhalation

Avoid inhalation of dust.

##### Ingestion

Not expected to present a hazard by ingestion during prescribed use.

##### Component Information

Not available

#### Information on physical, chemical and toxicological effects

##### Symptoms

Please see section 4 of this SDS for symptoms.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

##### Carcinogenicity

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

#### Numerical measures of toxicity

Not determined

### 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal

##### Component Information

Not available

#### Persistence/Degradability

Not determined

#### Bioaccumulation

This material is not expected to significantly bioaccumulate

**Mobility**

Not determined

**Other adverse effects**

Not determined

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION****Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

Not regulated

**IATA**

Not regulated

**IMDG**

Not regulated

**15. REGULATORY INFORMATION****International Inventories**

Not determined

**Legend:***TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS - Japan Existing and New Chemical Substances**IECSC - China Inventory of Existing Chemical Substances**KECL - Korean Existing and Evaluated Chemical Substances**PICCS - Philippines Inventory of Chemicals and Chemical Substances***US Federal Regulations****SARA 313**

Not determined

**US State Regulations****U.S. State Right-to-Know Regulations**

Not determined



## 16. OTHER INFORMATION

<b>NFPA</b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	0	0	0	Not determined
<b>HMIS</b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	0	0	0	Not determined

Issue Date 07-Jun-2013  
Revision Date: 10-Jun-2013  
Revision Note New format

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet