

Kuraray America, Inc.  
 2625 Bay Area Blvd., Suite 600, Houston, TX 77058

<b>Section 1. Identification of the Substance/Preparation and of the Company</b>
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**1.1 Product Identifier**

<b>Product Name</b>	SEPTON 4033 SEPTON 4044 SEPTON 4055 SEPTON 4077
<b>CAS</b>	132778-07-5 132983-38-1
<b>IUPAC</b>	Hydrogenated styrene isoprene butadiene block copolymer

**1.2 Relevant Identified Users of the Substance or Mixture and Uses Advised against**

<b>Relevant Uses</b>	Raw material for plastic industry
<b>Uses Advised against</b>	None known

**1.3 Recommended Use of the Chemical and Restrictions on Use**

<b>Recommended Use</b>	Thermoplastic compounds, Adhesives, Plastic modifiers
<b>Restrictions on Use</b>	See section 16 regarding restrictions on the use of this product

**1.4 Details of the Supplier of the Safety Data Sheet**

<b>Company</b>	Kuraray America, Inc. Elastomers Business Unit 2625 Bay Area Blvd., Suite 600 Houston, TX 77058 Phone: 800 423 9762 or +1 281-283-1711 Fax: +1 713 495 7322 Website: <a href="http://www.kuraray.us.com/">http://www.kuraray.us.com/</a>
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**1.5 Emergency Phone Number**

+1 800 424 9300 or +1 703 527 3887

<b>Section 2. Hazards Identification</b>
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**2.1 GHS Classification of the Substance or Mixture**

Physical Hazards

<b>Explosives</b>	Not applicable
<b>Flammable Gases</b>	Not applicable
<b>Flammable Aerosols</b>	Not applicable
<b>Oxidizing Gases</b>	Not applicable
<b>Gases under Pressure</b>	Not applicable
<b>Flammable Liquids</b>	Not applicable
<b>Flammable Solids</b>	Classification not possible
<b>Self-reactive Substances and Mixtures</b>	Not applicable

Pyrophoric Liquids	Not applicable
Pyrophoric Solids	Not applicable
Self-heating Substances and Mixtures	Not applicable
Substances and Mixture which, in contact with water, emit flammable gases	Not applicable
Oxidizing Liquids	Not applicable
Oxidizing Solids	Not applicable
Organic Peroxides	Not applicable
Corrosive to Metals	Not classified

**Health Hazards**

**Acute Toxicity**

Oral	Not classified
Skin	Classification not possible
Inhalation (Gas)	Classification not possible
Inhalation (Vapor)	Classification not possible
Inhalation (Dust, Mist)	Classification not possible
Skin Corrosion/Irritation	Classification not possible
Serious Eye Damages/Eye Irritation	Classification not possible
Respiratory Sensitization	Classification not possible
Skin Sensitization	Classification not possible
Germ Cell Mutagenicity	Not classified
Carcinogenicity	Classification not possible
Reproductive Toxicity	Classification not possible
Specific target Organ Toxicity	
Single Exposure	Classification not possible
Repeated Exposure	Classification not possible
Aspiration Hazard	Classification not possible

**Environmental Hazards**

**Aquatic Toxicity**

Acute	Classification not possible
Chronic	Classification not possible

**2.2 GHS Label Elements Including Precautionary Statements**

Symbol	None
Signal Word	None
Hazard Statement	None
Precautionary Statements	None

**2.3 Unclassified Hazards**

No data available

## 2.4 Percentage of Ingredients with Unknown Toxicity

No data available

### Section 3. Composition/Information on Ingredients

#### 3.1 Product-type

**Substance/Preparation**            Substance  
**Chemical Nature**                Block copolymer

Chemical Name	Concentration	CAS No.
Hydrogenated styrene isoprene butadiene block copolymer	> 99 %	132778-07-5 132983-38-1
Antioxidant	< 1 %	-
Anti-blocking agent (SEPTON 4077)	< 1 %	-

The specific chemical identities and percentages of composition are withheld as trade secrets.

### Section 4. First Aid Measures

#### 4.1 Description of First Aid Measure

**Eye Contact**                            Gently rinse the eyes with water for at least 15 minutes. Get medical attention if eye irritation develops or persists.

**Skin Contact**                            Not ordinarily expected in contact at normal temperature. If contact with hot material, cool the burn area by flushing with large amounts of water and get medical treatment.

**Inhalation**                                If gas or dust generated in process is inhaled, remove person to fresh air. If signs/symptoms continue, get medical attention.

**Ingestion**                                 Rinse mouth with water and get medical advice. Do not induce vomiting.

#### 4.2 Most important symptoms/effects, acute and delayed

None expected

#### 4.3 Immediate medical attention required

Get medical attention as instructed above

### Section 5. Fire-Fighting Measures

#### 5.1 Extinguishing Media

Use water, fog, foam, dry chemical powder or CO<sub>2</sub>.

#### 5.2 Special Hazards

Not flammable but will burn. Toxic gases (carbon monoxide) may form when burned without sufficient oxygen.

#### 5.3 Protections of Firefighters

Firefighters should wear proper protective equipment (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus. Keep personnel removed from and upwind of fire. Cool fire exposed containers with water.

**Section 6. Accidental Release Measures**

**6.1 Personal Precautions, Protective Equipment and Emergency Procedures**

Wear appropriate respiratory protection and protective clothing as described in section 8.

**6.2 Methods and Material for Containment and Cleaning Up**

Normal procedures for clean-up. Use good housekeeping practices. Shovel and sweep up or use industrial vacuum cleaner. Put into containers for reclaiming or disposal.

**Section 7. Handling and Storage**

**7.1 Precautions for Safe Handling**

Do not use near open flames. Avoid breathing vapors from heated materials. Adequate ventilation and/or engineering control must be employed in high temperature processing. If dust is created in processing, ground facilities to prevent static sparks and remove ignition sources.

**7.2 Conditions for Safe Storage, including Any Incompatibilities**

Store in a cool, dry, well ventilated location.

**Section 8. Exposure Controls/Personal Protection**

**8.1 Exposure limits**

None assigned

**8.2 Engineering Controls**

Adequate ventilation and/or engineering controls are required when product is heated in processing.

**8.3 Individual Protection Measures**

<b>Respiratory Protection</b>	If engineering controls do not maintain their performance to a level that is adequate to protect worker health, a NIOSH-approved respirator should be worn. In accordance with 29 CFR 1910.134, use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors and dusts.
<b>Protective Clothing</b>	Safety glasses and protective clothing should be worn when product is heated in processing.

**Section 9. Physical and Chemical Properties**

**9.1 Information on Basic Physical and Chemical Properties**

<b>Physical State, Form</b>	Solid (Powder)
<b>Physical State, Color</b>	White
<b>Odor</b>	None
<b>Odor Threshold</b>	None
<b>pH</b>	Not available

<b>Boiling Point (deg. F)</b>	Not available
<b>Melting Point/Freezing Point (deg. F)</b>	Not available
<b>Flash Point</b>	Not available
<b>Evaporation Rate</b>	None
<b>Flammability</b>	Not available
<b>Flammable Limits/Percent Volume in Air</b>	
<b>Lower</b>	Not available
<b>Higher</b>	Not available
<b>Vapor Pressure (mmHg)</b>	Not available
<b>Vapor Density (Air=1)</b>	Not available
<b>Relative Density</b>	Not available
<b>Specific Gravity (H<sub>2</sub>O=1)</b>	0.91
<b>Solubility</b>	Insoluble in water Soluble in toluene, THF and chloroform
<b>n-octanol/water partition coefficient</b>	Not available
<b>Spontaneous ignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available
<b>Viscosity</b>	Not available

**Section 10. Stability and Reactivity**

**10.1 Reactivity**

No data available

**10.2 Chemical Stability**

This product is considered a stable material under normal and anticipated storage and handling conditions.

**10.3 Conditions to Avoid**

Rainwater, the direct rays of the sun, open flame and etc.

**10.4 Hazardous Decomposition Products**

No Information available

**Section 11. Toxicological Information**

**11.1 Information on Toxicological Effects**

**Acute Toxicity**

**Oral LD<sub>50</sub>** > 2,000mg/kg (SEPTON 4033, 4055)

**Dermal LD<sub>50</sub>** Not available

**Inhalation LC<sub>50</sub>** Not available

**Routes Exposure**

**Inhalation** Not available

Ingestion	Not available
Dermal	Not available
Skin Corrosion/Irritation	Not available
Serious Eye Damage/Eye Irritation	Not available
Respiratory Sensitization	Not available
Skin Sensitization	Not available
Mutagenicity	Not available
Carcinogenicity	Not available
Reproductive Toxicity	Not available
Specific Target Organ Toxicity	Not available
Single Exposure	Not available
Repeated Exposure	Not available
Aspiration Toxicity	Not available

**Section 12. Ecological Information**

- 12.1 Ecotoxicity**  
No information available
- 12.2 Persistence and Degradability**  
No information available
- 12.3 Bioaccumulation**  
No information available
- 12.4 Mobility in Soil**  
No information available
- 12.5 Other Adverse Effects**  
No information available

**Section 13. Disposal Considerations**

- 13.1 Waste Treatment Methods**  
All recovered material should be disposed of or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices.

**Section 14. Transport Information**

- 14.1 UN Number**  
Non-regulated commodity
- 14.2 Proper Shipping Name**  
Not applicable

**14.3 Transport Hazard Class(es)**

Not hazardous by DOT

**Section 15. Regulatory Information****15.1 Inventory Status**

TSCA Inventory (USA)	132983-38-1
DSL (Canada)	132983-38-1
EINECS (EU)	Polymer Exempt (Monomer Listed)
AICS (Australia)	132983-38-1
ECL (Korea)	2003-3-2291
IECSC (China)	132778-07-5
ECN (Taiwan)	132778-07-5
PICCS (Philippines)	Not listed (Monomer listed)
ENCS (Japan)	6-120 + 6-2139

**Section 16. Other Information**

The information presented herein is believed to be factual as it has been derived from the works and opinions of persons believed to be qualified experts. For medical, healthcare and food contact applications, please contact us for specific recommendations. This product should not be used in any devices or materials intended for implantation in the human body. Nothing contained in this information is to be taken as a warranty or representation for which Kuraray America Inc. bears legal responsibility. (Revision Date: 5/19/15)