

## 1. Identification

<b>Product identifier</b>	<b>Kraton™ G Polymers (SEBS and SEBS OE)</b>
<b>Other means of identification</b>	
<b>SDS number</b>	14361
<b>Product Code</b>	A1535, A1536, A1537, E1830, G1633, G1640, G1641, G1642, G1643, G1645, G1646, G1648, G1650, G1651, G1652, G1653, G1654, G1657, G1660, G1726, G4609, G4610
<b>Synonyms</b>	This SDS covers all alphanumeric suffixes for the following products. Suffixes designate location of manufacture, dusting agent, product form. * The Nanoform statement and Silica, amorphous information listed in Sections 1 and 3 are applicable ONLY when these grades contain silica as a dusting agent (2nd suffix S). * Synthetic amorphous silica is a nanostructured material according to the definition of ISO TS 80004-1 and as defined in Regulation 2011/696/EU, as amended. * The silica dusting agent is composed of primary particles with a median size < 100 nm which are present as aggregates and agglomerates with a mean diameter scale range above 100 nm in the dusting agent used.
<b>Recommended use</b>	Industrial use
<b>Recommended restrictions</b>	None known.
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
	CORPORATE OFFICE
<b>Name</b>	Kraton Corporation
<b>Address</b>	9950 Woodloch Forest Dr., Suite 2400 The Woodlands, TX 77380, USA
<b>Telephone</b>	+1 281 504 4700
	EUROPEAN CENTRAL OFFICE
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<b>Address</b>	Transistorstraat 16 1322 CE Almere, The Netherlands
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<b>Technical Support Line - EU</b>	+31 (0) 36 546 2800
<b>Website</b>	www.Kraton.com
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<b>CHEMTREC - International:</b>	+1 703 527 3887
<b>SGS ECLN:</b>	+32 35 75 03 30

## 2. Hazard(s) identification

<b>Physical hazards</b>	Not classified.
<b>Health hazards</b>	Not classified.
<b>OSHA defined hazards</b>	Not classified.
<b>Label elements</b>	
<b>Hazard symbol</b>	None.

<b>Signal word</b>	None.
<b>Hazard statement</b>	Not applicable.
<b>Precautionary statement</b>	
<b>Prevention</b>	Not applicable.
<b>Response</b>	Not applicable.
<b>Storage</b>	Not applicable.
<b>Disposal</b>	Not applicable.
<b>Hazard(s) not otherwise classified (HNOC)</b>	Static charge accumulation potential.
<b>Supplemental information</b>	None.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Styrene-Ethylene/Butylene-Styrene Polymer (SEBS)		66070-58-4	< 100
Silica, amorphous		7631-86-9	< 2.5

### 4. First-aid measures

<b>Inhalation</b>	If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.
<b>Skin contact</b>	If burned by contact with hot material, cool molten material adhering to skin as quickly as possible with water, and see a physician for removal of adhering material and treatment of burn. Wash the skin immediately with soap and water. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	If hot product contacts eye, flush with water for at least 15 minutes and seek medical attention immediately. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.
<b>Most important symptoms/effects, acute and delayed</b>	Prolonged contact may cause dryness of the skin.
<b>Indication of immediate medical attention and special treatment needed</b>	Treat symptomatically. No specific antidotes are recommended.
<b>General information</b>	Get medical attention if symptoms occur. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water spray, dry chemical, carbon dioxide.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire. Do not use water jet.
<b>Specific hazards arising from the chemical</b>	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	Wear suitable protective equipment.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	Static charges generated by emptying package in or near flammable vapor may cause flash fire.

### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Wear appropriate personal protective equipment. Ensure adequate ventilation. For personal protection, see section 8 of the SDS. If spilled, may cause a slipping hazard. Avoid dust formation. Keep away from sources of ignition - No smoking.
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<b>Methods and materials for containment and cleaning up</b>	Collect and dispose of spillage as indicated in section 13 of the SDS. Avoid the generation of dusts during clean-up. The product is immiscible with water and will spread on the water surface. The product is insoluble in water.
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

<b>Precautions for safe handling</b>	Keep away from sources of ignition - No smoking. Avoid breathing vapor from heated material. Avoid prolonged exposure. Minimize dust generation and accumulation. Avoid heat, sparks, open flames and other ignition sources. Do not smoke. Static electricity and formation of sparks must be prevented. Ground container and transfer equipment to eliminate static electric sparks. Maintain a fire watch if material reaches 280°C (536°F). Avoid contact with hot material. Do not breathe dust from this material. Observe good industrial hygiene practices.
<b>Conditions for safe storage, including any incompatibilities</b>	Store indoor. Keep away from heat, sparks and open flame. This material can accumulate static charge which may cause spark and become an ignition source. Prevent electrostatic charge build-up by using common bonding and grounding techniques. To maintain product quality, do not store in heat or direct sunlight. Keep in a cool, well-ventilated place. Store in tightly closed container. Keep containers closed when not in use. Store at ambient temperature and atmospheric pressure. Guard against dust accumulation of this material. Use care in handling/storage. Store away from incompatible materials (see Section 10 of the SDS). Do not stack Flexible Intermediate Bulk Containers (FIBCs) or palletized bags. Avoid storage under pressure or at elevated temperatures to minimize particulate clustering. Do not store outside. Care should be taken when storing and handling this product. Apart from the specific nature of the polymer product, conditions such as humidity, sunlight, and temperature have an influence on the way the product behaves during storage and handling. Special attention should be paid to avoid inappropriate stacking of palletized bags or other package units. Indeed, polymer products may be dimensionally unstable under certain conditions.

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Permissible Exposure Limits (PEL) for Air Contaminants (29 CFR 1910.1000)

Additional components	Type	Value	Form
Inorganic Dust	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.

US. OSHA Table Z-3 Permissible Exposure Limits (PEL) for Mineral Dusts (29 CFR 1910.1000)

Components	Type	Value	Form
Silica, amorphous (CAS 7631-86-9)	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		0.8 mg/m3	

Additional components	Type	Value	Form
Inorganic Dust	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.
Organic Dust	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.

NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended

Components	Type	Value
Silica, amorphous (CAS 7631-86-9)	IDLH	3000 mg/m3

US. NIOSH: Pocket Guide to Chemical Hazards Recommended Exposure Limits (REL)

Components	Type	Value
Silica, amorphous (CAS 7631-86-9)	TWA	6 mg/m3

**US. NIOSH: Pocket Guide to Chemical Hazards Recommended Exposure Limits (REL)****Additional components****Type****Value****Form**

Inorganic Dust

TWA

5 mg/m3

Respirable.

10 mg/m3

Total

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls**

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Wear safety glasses with side shields (or goggles).

**Skin protection****Hand protection**

When handling hot material, use heat resistant gloves. Gloves are recommended for prolonged use.

**Other**

Wear suitable protective clothing and gloves.

**Respiratory protection**

In case of insufficient ventilation, wear suitable respiratory equipment.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical and chemical properties****Appearance****Physical state**

Solid.

**Form**

Powder. Dense Pellet. Crumb.

**Color**

Clear. White.

**Odor**

Odorless.

**Odor threshold**

Not available.

**pH**

Not applicable.

**Melting point/freezing point**

Not available.

**Initial boiling point and boiling range**

Not applicable.

**Flash point**

Not applicable.

**Evaporation rate**

Not applicable.

**Flammability (solid, gas)**

The product is not flammable.

**Upper/lower flammability or explosive limits****Explosive limit - lower (%)**

Not applicable.

Not applicable.

**Explosive limit - lower (%)**

Not applicable.

**temperature****Explosive limit - upper (%)**

Not applicable.

Not applicable.

**Explosive limit - upper (%)**

Not applicable.

**temperature****Vapor pressure**

Not applicable.

**Vapor density**

Not applicable.

**Relative density**

&gt; 0.88 - &lt; 0.95 at 20°C

**Solubility(ies)****Solubility (water)**

Insoluble.

**Partition coefficient (n-octanol/water)**

Not available.

**Auto-ignition temperature**

Not available.

<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Explosive properties</b>	Not explosive.
<b>Oxidizing properties</b>	Not oxidizing. Not available.

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Risk of self-heating and self-ignition under long term exposure to high temperatures.
<b>Conditions to avoid</b>	Avoid exposure to high temperatures or direct sunlight.
<b>Incompatible materials</b>	Strong acids, alkalies and oxidizing agents.
<b>Hazardous decomposition products</b>	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Inhalation of vapors/fumes generated by heating this product may cause respiratory irritation with throat discomfort, coughing or difficulty breathing. Inhalation of dusts may cause respiratory irritation. Prolonged inhalation may be harmful.
<b>Skin contact</b>	Molten material will produce thermal burns.
<b>Eye contact</b>	Molten material will produce thermal burns. Dust in the eyes will cause irritation. Fumes released during thermal processing may cause eye irritation.
<b>Ingestion</b>	Health injuries are not known or expected under normal use.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Direct contact with eyes may cause temporary irritation.

### Information on toxicological effects

<b>Acute toxicity</b>	Not classified.	
Styrene-Ethylene/Butylene-Styrene Polymer (SEBS)		USP Systemic Toxicity Study in Mice – Extract:, No significant and/or relevant adverse effects reported.; for a representative substance.
<b>Skin corrosion/irritation</b>	Molten material will produce thermal burns.	
<b>Irritation Corrosion - Skin</b>		
Styrene-Ethylene/Butylene-Styrene Polymer (SEBS)		USP Intracutaneous Study in Rabbits – Extract:, for a representative substance. Result: Negative.
<b>Serious eye damage/eye irritation</b>	Molten material will produce thermal burns. Dust in the eyes will cause irritation. Fumes released during thermal processing may cause eye irritation. No data available.	
<b>Respiratory or skin sensitization</b>		
<b>Respiratory sensitization</b>	No data available.	
<b>Skin sensitization</b>	Not classified.	
<b>Sensitization</b>		
Styrene-Ethylene/Butylene-Styrene Polymer (SEBS)		Tests for irritation and skin sensitization, for a representative substance. Result: Negative. Notes: ISO 10993-10 Guinea Pig Maximization Sensitization Test
<b>Germ cell mutagenicity</b>	Not classified.	
<b>Mutagenicity</b>		
Styrene-Ethylene/Butylene-Styrene Polymer (SEBS)		In Vitro Bacterial Mutagenicity Study in E.Coli and S.Typhimurium from extract., for a representative substance. Result: Negative.
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Not classifiable as to carcinogenicity to humans.	

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Not listed.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.

**US. National Toxicology Program (NTP) Report on Carcinogens**

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.**Further information**

Styrene-Ethylene/Butylene-Styrene Polymer (SEBS)

In Vitro Haemolysis Study in Red Blood Cells, Japanese MHLW;; No significant and/or relevant adverse effects reported.; for a representative substance.  
ISO 10993-5 Elution Method In Vitro Cytotoxicity Study, No significant and/or relevant adverse effects reported.; for a representative substance.  
USP Muscle Implantation Study in Rabbits – 7 Day.; No significant and/or relevant adverse effects reported.; for a representative substance.

**12. Ecological information****Ecotoxicity** Based on available data, the classification criteria are not met for hazardous to the aquatic environment.

Components		Species	Test Results
Styrene-Ethylene/Butylene-Styrene Polymer (SEBS) (CAS 66070-58-4)			
Aquatic			
Acute			
Fish	LC50	Rainbow Trout	> 1000 mg/l, 96 hr

**Persistence and degradability** Not inherently biodegradable.**Bioaccumulative potential** The product is not bioaccumulating.**Mobility in soil** No data available.**Other adverse effects** Not available.**13. Disposal considerations****Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site.**Local disposal regulations** Dispose in accordance with all applicable regulations.**Waste from residues / unused products** Dispose of in accordance with local regulations.**Contaminated packaging** Not applicable.**14. Transport information****DOT**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not available.

## 15. Regulatory information

### US federal regulations

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### Toxic Substances Control Act (TSCA)

All components are either listed on the US EPA TSCA Inventory list and designated as "active" or are exempt from listing.

##### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

#### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

#### SARA 304 Emergency release notification

Not regulated.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### SARA 302 Extremely hazardous substance

Not listed.

#### SARA 311/312 Hazardous chemical

No

#### SARA 313 (TRI reporting)

Not regulated.

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

#### Safe Drinking Water Act (SDWA)

Not regulated.

## 16. Other information, including date of preparation or last revision

Issue date 08-17-2017

Revision date 09-16-2024

Version # 6.0

NFPA ratings Health: 0  
Flammability: 1  
Instability: 0

NFPA ratings



### Disclaimer

KRATON CORPORATION urges each customer or recipient of this SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. The information set forth in this document, as of the date of this document, is based on present knowledge, obtained from reliable sources and made to our reasonable ability and in good faith. Such information is made without any warranty or guarantee whatsoever, and shall establish no legal duty or responsibility on the part of the author(s), their employer or its affiliates. The information given is designed only as guidance and its completeness is not guaranteed. The information is not a guarantee of any specific product properties, features, qualities or specifications.

### Revision information

Composition / Information on Ingredients: Disclosure Overrides