

## Durlon® Flexible Graphite

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	Durlon® Flexible Graphite
<b>Product Family</b>	Semi-Metallic
<b>Manufacturer</b>	Triangle Fluid Controls Ltd., 399 College Street East, Belleville, ON, K8N5S7, Canada, 613-968-1100, 8am-5pm EST, www.trianglefluid.com
<b>Emergency Phone No.</b>	Technical Services, 613-968-1100, 8am-5pm ET
<b>SDS No.</b>	0029
<b>Date of Preparation</b>	June 01, 2020

### SECTION 2. HAZARD IDENTIFICATION

**Classification**

Not classified under any hazard class.

**Label Elements**

Not applicable

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Graphite	7782-42-5	>95		
Crystalline Silica	14808-60-7	<0.8		

### SECTION 4. FIRST-AID MEASURES

**First-aid Measures****Inhalation**

Do not breathe dust. If exposed to high levels of dust, remove to fresh air. drink water and clear throat. Blow nose to clear dust.

**Skin Contact**

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes.

**Eye Contact**

Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open.

**Ingestion**

Give large quantities of water. Get medical advice or attention if you feel unwell or are concerned.

### SECTION 5. FIRE-FIGHTING MEASURES

**Extinguishing Media****Suitable Extinguishing Media**

Not combustible. Use extinguishing agent suitable for surrounding fire. Water fog, foam, dry chemical powder or carbon dioxide (CO2).

## Specific Hazards Arising from the Product

Compositions of by-products from the result of fire will vary depending on the specific conditions. Hazardous gases and vapour include dense smoke and carbon monoxide. There may be others unknown to us.

## Special Protective Equipment and Precautions for Fire-fighters

Self-contained breathing devices and protective clothing must be worn in case of fire.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

No special precautions are necessary. Place spilled material (dust) in a container for disposal. Dispose of all waste according to federal, state, provincial or local laws.

### Environmental Precautions

No special precautions are necessary. It is good practice to prevent releases into the environment.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling. Dust should be gathered by wet wiping or vacuuming with HEPA filtration equipped vacuum cleaners. Do not dry sweep or blow dust with compressed air. Graphite dusts are electrically conductive and accumulation of dust may cause shorting of electric circuits and switches. Personnel involved with handling this product should be wearing appropriate personal protective equipment as outlined in Section 8.

### Conditions for Safe Storage

No special requirements for storage area. Comply with all applicable health and safety regulations, fire and building codes. Protect from conditions listed in Conditions to Avoid in Section 10 (Stability and Reactivity).

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH® TLV®		OSHA PEL		AIHA® WEEL®	
	TWA	STEL [C]	TWA	Ceiling	8-hr TWA	Short-term TWA [C]
Graphite	5 mg/m <sup>3</sup>					

### US ACGIH Threshold Limit Values

Graphite (CAS 7782-42-5) TWA - 2 mg/m<sup>3</sup>, respirable fraction

Crystalline Silica (CAS 14808-60-7) TWA - 0.025 mg/m<sup>3</sup>, respirable fraction

### Appropriate Engineering Controls

Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air.

### Individual Protection Measures

#### Eye/Face Protection

Not required but it is good practice to wear safety glasses or chemical safety goggles.

#### Respiratory Protection

Use particulate filter respirator for specific particulate concentrations exceeding the occupational exposure limits.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

Odour	Not applicable
Melting Point/Freezing Point	Not applicable (melting); Not applicable (freezing)
Vapour Pressure	Not applicable
Relative Density (water = 1)	0.8 - 1.8

### Other Information

Product Identifier: Durlon® Flexible Graphite - Ver. 1

SDS No.: 0029

Date of Preparation: June 01, 2020

Date of Last Revision:

Page 02 of 04

**Physical State** Solid  
**Other Physical Property 1** Appearance: Black powder

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions of use.

### Chemical Stability

Normally stable.

### Conditions to Avoid

Avoid contact with highly concentrated acids. Dust is combustible, avoid sources of ignition and strong oxidizing agents. This product should not be used in oxidizing environments.

### Incompatible Materials

Oxidizing agents (e.g. peroxides), reducing agents (e.g. hydroquinone).

### Hazardous Decomposition Products

By-products from the result of a fire will vary depending on the specific conditions. Hazardous gases/vapours may include dense smoke and carbon monoxide. There may be others unknown to us.

## SECTION 11. TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

### Acute Toxicity

#### LD50 (Oral)

> 10, 000 mg/kg (Rat)

### Skin Corrosion/Irritation

Not an irritant, but washing the skin after use or contact is advisable.

### Serious Eye Damage/Irritation

Rinse with water. Get medical attention if irritation is observed.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

Not likely to be hazardous by inhalation. If exposed to fumes from ignition or combustion of product, move to fresh air. Consult physician symptoms persist.

Prolonged and repeated overexposure to dust can lead to pneumoconiosis. Prolonged exposure is associated with lung cancer. Crystalline silica: Overexposure to the respirable dust of crystalline silica (quartz or cristobalite, less than or equal to 5 microns in size) may lead to silicosis in humans, which is a progressive and irreversible lung disease.

### Carcinogenicity

(Crystalline Silica) Has been classified by IARC, NTP and ACGIH as a known human carcinogen and suspected human carcinogen respectively.

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

No information was located.

### Persistence and Degradability

No information was located.

### Bioaccumulative Potential

This product and its degradation products are not expected to bioaccumulate.

### Mobility in Soil

No information was located.

Product Identifier: Durlon® Flexible Graphite - Ver. 1

SDS No.: 0029

Date of Preparation: June 01, 2020

Date of Last Revision:

Page 03 of 04

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Dispose of in accordance with all applicable municipal, provincial and federal regulations.

## SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

**Special Precautions** Not applicable

### Transport in Bulk according to International Maritime Organization Instruments

Not applicable

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

None known.

## SECTION 16. OTHER INFORMATION

**NFPA Rating**

**Health - 0**

**Instability - 0**

**SDS Prepared By**

Triangle Fluid Controls Ltd.

**Phone No.**

613-968-1100

**Date of Preparation**

June 01, 2020

**Disclaimer**

The information provided in this SDS is correct and to the best of our knowledge at the date of its publication. The information provided is intended only as a guidance for safe handling, transportation, storage, use and disposal and is not considered a warranty or quality specification. This SDS is intended for the material specified and may not be valid for the material used in any other combination or process unless specified in the text.

---

Product Identifier: Durlon® Flexible Graphite - Ver. 1

SDS No.: 0029

Date of Preparation: June 01, 2020

Date of Last Revision:

Page 04 of 04