



# Solo ES6 Smoke Cartridge SAFETY DATA SHEET

SDS0097US-EN  
ACCORDING TO US CFR 1910.1200

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

Product Name Solo ES6 Smoke Cartridge.  
Trade Name Solo ES6-XXX (XXX denotes customer variant).  
CAS No. Mixture.  
EINECS No. Mixture.

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use(s) Smoke simulation.  
Uses advised against None known.

### 1.3 Details of the supplier of the Safety Data Sheet

Company Identification SDI, LLC, 3535 State Highway 66, Parkway 100 Building 6, Neptune, NJ 07753, USA.  
Telephone (732) 751 9266  
Fax (732) 751 9241  
E-mail sales@sdifire.com

### 1.4 Emergency telephone number

Info Trac 1-800-535-5053

### 1.5 Details of the Manufacturer

Company Identification Detectortesters (No Climb Products Ltd), Edison House, 163 Dixons Hill Road, Welham Green, Hertfordshire. AL9 7JE. United Kingdom.  
Telephone +44 (0) 1707 282760  
Fax +44 (0) 1707 282777  
E-mail SDS@detectortesters.com

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

US CFR 1910.1200 Not classified as dangerous for supply/use.

### 2.2 Label elements

Product Name Solo ES6 Smoke Cartridge.  
Hazard pictogram(s) None.  
Signal word(s) None.  
Hazard statement(s) None.  
Precautionary statement(s) None.

### 2.3 Other hazards

None.

### 2.4 Additional Information

None.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Contains no hazardous ingredients.

### 3.1 Mixtures

Hazardous ingredient(s)	CAS No.	%W/W
Propane-1,2-Diol	57-55-6	40 - 50

### 3.2 Additional Information

None.



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## SECTION 4: FIRST AID MEASURES



### 4.1 Description of first aid measures

- Inhalation If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Skin Contact Wash skin with soap and water.
- Eye Contact Flush eyes with water for at least 15 minutes.
- Ingestion Wash out mouth with water. Seek medical treatment.

4.2 **Most important symptoms and effects, both acute and delayed** None anticipated.

4.3 **Indication of any immediate medical attention and special treatment needed** Unlikely to be required but if necessary treat symptomatically.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1 Extinguishing Media

- Suitable Extinguishing Media Use water spray, foam, dry powder or CO2 to extinguish.
- Unsuitable Extinguishing Media None known.

5.2 **Special hazards arising from the substance or mixture** None anticipated.

5.3 **Advice for fire-fighters** In case of major fire and large quantities: A self contained breathing apparatus should be worn.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation. Stop leak if safe to do so. Wear protective gloves.

6.2 **Environmental precautions** Prevent entry into drains.

6.3 **Methods and material for containment and cleaning up** Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal.

6.4 **Reference to other sections** See Also Section: 8, 13

## SECTION 7: HANDLING AND STORAGE

7.1 **Precautions for safe handling** No special measures are required.

### 7.2 Conditions for safe storage, including any incompatibilities

- Storage Temperature Ambient.
- Storage Life Stable under normal conditions.
- Incompatible materials None anticipated.

7.3 **Specific end use(s)** Smoke simulation.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### 8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL(8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note
Propane-1,2-Diol	57-55-6	-	-	-	-	NIOSH
		-	-	-	-	OSHA

NIOSH = National Institute of Occupational Safety & Health

OSHA = Occupational Safety and Health Administration

8.1.2 **Biological limit value** Not established.

8.1.3 **PNECs and DNELs** Not established.

### 8.2 Exposure controls

8.2.1 **Appropriate engineering controls** Provide adequate ventilation.

8.2.2 **Personal protection equipment**  
Eye/face protection Not normally required.





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Skin protection (Hand protection/ Other)



Respiratory protection



Thermal hazards

**8.2.3 Environmental Exposure Controls**

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Wear suitable gloves if prolonged skin contact is likely.

No personal respiratory protective equipment normally required.

Not applicable.

Prevent entry into drains.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>9.1 Information on basic physical and chemical properties</b>	
Appearance	Liquid.
Colour	Clear.
Odour	Characteristic.
Odour Threshold	Not determined.
pH	Not determined.
Melting Point/Freezing Point	Not determined.
Initial boiling point and boiling range	212 °F
Flash Point	>212 °F
Evaporation rate	Not applicable.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	0.334 psig @ 68 °F
Density	65.55 lb/ft <sup>3</sup> @ 68 °F
Vapour density	Not determined.
Relative density	Not determined.
Solubility(ies)	Miscible with: Water.
Partition coefficient: n-octanol/water	Not determined.
Ignition temperature	518 °F
Auto-ignition temperature	Product is not selfigniting.
Decomposition Temperature	Not determined.
Kinematic Viscosity	Not determined.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
<b>9.2 Other information</b>	
Organic solvents - Content	69.8%
Water - Content	20.0%

## SECTION 10: STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	Stable under normal conditions.
<b>10.2 Chemical stability</b>	Stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	No hazardous reactions known if used for its intended purpose.
<b>10.4 Conditions to avoid</b>	None anticipated.
<b>10.5 Incompatible materials</b>	None anticipated.
<b>10.6 Hazardous Decomposition Product(s)</b>	No hazardous decomposition products known.

## SECTION 11: TOXICOLOGICAL INFORMATION

<b>11.1 Information on toxicological effects</b>	
<b>Acute toxicity</b>	Low acute toxicity.
<b>Irritation</b>	Not classified.
<b>Corrosivity</b>	Not classified.
<b>Sensitization</b>	It is not a skin sensitiser.
<b>Repeated dose toxicity</b>	None anticipated.
<b>Carcinogenicity</b>	No evidence of carcinogenicity.



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**Mutagenicity**

There is no evidence of mutagenic potential.

**Toxicity for reproduction**

None anticipated.

**Aspiration hazard**

None anticipated.

11.2 **Other information**

None.

## SECTION 12: ECOLOGICAL INFORMATION

12.1 **Toxicity**

Low toxicity to aquatic organisms.

12.2 **Persistence and degradability**

The product is readily biodegradable.

12.3 **Bioaccumulative potential**

No information available.

12.4 **Mobility in soil**

Soluble in water. The product is predicted to have high mobility in soil.

12.5 **Other adverse effects**

None.

## SECTION 13: DISPOSAL CONSIDERATIONS

13.1 **Waste treatment methods**

Consult an accredited waste disposal contractor or the local authority for advice. Smaller quantities can be disposed of with household waste.

13.2 **Additional Information**

Disposal should be in accordance with local, state or national legislation.

## SECTION 14: TRANSPORT INFORMATION

D.O.T. Classification Not classified as dangerous for transport.

14.1 **UN number**

Not applicable.

14.2 **UN Proper Shipping Name**

Not applicable.

14.3 **Transport hazard class(es)**

Not applicable.

14.4 **Packing Group**

Not applicable.

14.5 **Environmental hazards**

Not applicable.

14.6 **Special precautions for user**

Not applicable.

14.7 **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

## SECTION 15: REGULATORY INFORMATION

15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**

15.1.1 **OSHA**

Toxic and hazardous substances (29 CFR 1910; Subpart Z)

All chemicals are not listed.

National emission standards for hazardous air pollutants (40 CFR 61.01)

All chemicals are not listed.

15.1.2 **Title III Consolidated List of Lists**

All chemicals are not listed.

15.1.3 **OSPAR List of Chemicals for Priority Action**

All chemicals are not listed.

15.1.4 **State Right to Know Lists**

Propane-1,2-Diol (CAS No.: 57-55-6);  
Pennsylvania, Minnesota

15.1.5 **TSCA (Toxic Substance Control Act)**

All chemicals listed

15.1.6 **Proposition 65 (California)**

All chemicals are not listed.

15.1.7 **CAA 602 - Ozone Depleting Substances (ODS)**

All chemicals are not listed.

## SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: None.

NFPA		HMIS	
Health	0	Health	0
Fire	0	Fire	0
Instability	0	Instability	0

### LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
NIOSH	National Institute of Occupational Safety & Health
OSHA	Occupational Safety and Health Administration



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### **Annex to the extended Safety Data Sheet (eSDS)**

No information available.