

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.



Solo ES6 Smoke Cartridge

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/m ³)	STEL (ppm)	STEL (mg/m ³)	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.



**Specialized Fire Products**

Skin protection (Hand protection/ Other)



Respiratory protection



Thermal hazards

Solo ES6 Smoke Cartridge

Wear suitable gloves if prolonged skin contact is likely.

No personal respiratory protective equipment normally required.

Not applicable.

Prevent entry into drains.

8.2.3 Environmental Exposure Controls**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

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 ³ @ 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.

9.2 Other information

Organic solvents - Content	69.8%
Water - Content	20.0%

SECTION 10: STABILITY AND REACTIVITY

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

SECTION 11: TOXICOLOGICAL INFORMATION]**11.1 Information on toxicological effects**

Acute toxicity	Low acute toxicity.
Irritation	Not classified.
Corrosivity	Not classified.
Sensitization	It is not a skin sensitiser.
Repeated dose toxicity	None anticipated.
Carcinogenicity	No evidence of carcinogenicity.



Specialized Fire Products

Mutagenicity

Toxicity for reproduction

Aspiration hazard

Solo ES6 Smoke Cartridge

There is no evidence of mutagenic potential.

None anticipated.

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



Specialized Fire Products

Solo ES6 Smoke Cartridge

Disclaimers

The information is based on the best knowledge of SDi and its advisors and is given in good faith, but we cannot guarantee its accuracy, reliability or completeness and therefore disclaim any liability for loss or damage arising out of use of this data. Since conditions of use are outside the control of the Company and its advisors we disclaim any liability for loss or damage when the product is used for purposes other than it is intended.

Annex to the extended Safety Data Sheet (eSDS)

No information available.