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-XXX.
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 Substances

Not Applicable

3.2 Mixtures

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

3.3 Additional Information

None.

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: FIREFIGHTING 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 If this product is in a fire the contents may result in combustion, forming carbon dioxide and carbon monoxide.

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.

Skin protection (Hand protection/ Other) — Wear suitable gloves if prolonged skin contact is likely.

Respiratory protection — No personal respiratory protective equipment normally required.

Thermal hazards — Not applicable.

8.2.3 Environmental Exposure Controls — Prevent entry into drains.

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 (100 °C)
Flash Point	>212˚F (100 °C)
Evaporation rate	Not applicable.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	0.334 psig @ 68 °C
Density	65.55 lb/ft^3 @ 68 °C
Vapour density	Not determined.
Relative density	Not determined.
Solubility(ies)	Miscible with: Water.
Partition coefficient: n-octanol/water	Not determined.
Ignition temperature	518 ˚F (270 °C)
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) — Carbon dioxide and Carbon monoxide.

SECTION 11: TOXICOLOGICAL INFORMATION]

11.1 Information on toxicological effects

Acute toxicity	Low acute toxicity. See section 8.1.1 for exposure limits.
Irritation	Not classified.
Corrosivity	Not classified.
Sensitization	It is not a skin sensitiser.
Repeated dose toxicity	None anticipated. See section 8.1.1 for exposure limits.
Carcinogenicity	No evidence of carcinogenicity.
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. Unlikely to persist.
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	**Results of PBT and vPvB assessment**	Not classified as PBT or vPvB.
12.6	**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 MARPOL 73/78 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)	No chemicals are listed.
National emission standards for hazardous air pollutants (40 CFR 61.01)	No chemicals are listed.
15.1.2 Title III Consolidated List of Lists	No chemicals are listed.
15.1.3 OSPAR List of Chemicals for Priority Action	No chemicals are listed.
15.1.4 State Right to Know Lists	Popane-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)	No chemicals are listed.
15.1.7 CAA 602 - Ozone Depleting Substances (ODS)	No chemicals are listed.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 3.1, 3.2, 5.2, 9.1, 10.6, 11.1, 12.5, 12.6, 15.1.1, 15.1.2, 15.1.3, 15.1.6, 15.1.7.

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

Disclaimers

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Annex to the extended Safety Data Sheet (eSDS)

No information available.