# SAFETY DATA SHEET

**SDS0100US-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 | Testifire TES3 Smoke Cartridge. |
| Trade Name | Testifire TES3-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 | Testifire TES3-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.