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Testifire TS3 Smoke Capsule.

SAFETY DATA SHEET

SDS0083UK

SAFETY DATA SHEET ACCORDING TO REGULATION (EC) No. 1907/2006 AS AMENDED

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name	Testifire TS3 Smoke Capsule.
Trade Name	Testifire TS3-XXX, (XXX denotes customer variant).
CAS No.	Mixture.
EINECS No.	Mixture.
REACH Registration No.	None assigned.
UFI	0247-73RF-D00J-HE4Y

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 Only representative

Company Identification	Shift-Consult Hubert Scherzinger, 79108 Freiburg, Germany
Telephone	+49 7665 91 21 74

Details of the supplier of the safety data sheet

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 (competent person)	SDS@detectortesters.com

1.4 Emergency telephone number

Emergency Phone No.	+44 (0) 1707 282760
Mon-Thur (08:30-17:00), Fri (08:30-15:00)	

2. HAZARDS IDENTIFICATION

2.1	**Classification of the substance or mixture**	
2.1.1	**Regulation (EC) No. 1272/2008 (CLP)**	Not classified as dangerous for supply/use.
2.2	**Label elements**	According to Regulation (EC) No. 1272/2008 (CLP)
	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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

EC Classification No. 1272/2008

Hazardous Ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard Pictogram(s) and Hazard Statement(s)
Propane-1,2-Diol	40-50	57-55-6	200-338-0	01-2119456809-23	None

3.3 Additional Information

None.

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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.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media	Use water spray, foam, dry powder or CO2 to extinguish.Extinguish preferably with dry chemical, foam or waterspray.
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.

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 Absorb spillage in earth or sand. Transfer to a container for disposal.

6.4 Reference to other sections See Section: 8 and 13.

6.5 Additional Information None.

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 known.

7.3 Specific end use(s) Smoke simulation.

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	150	474	-	-	WEL
		-	10	-	-	WEL

WEL: Workplace Exposure Limit (UK HSE EH40)

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid.
Colour.	Clear.
Odour	Characteristic.
Odour Threshold (ppm)	Not determined.
pH (Value)	Not determined.
Melting Point (°C) / Freezing Point (°C)	Not determined.
Boiling Point (°C)	100°C
Flash Point (°C)	>100°C
Evaporation rate	Not applicable.
Flammability	Non-flammable.
Explosive Limit Ranges	Not applicable.
Vapour Pressure (mm Hg)	23hPa @ 20°C.
Vapour Density (Air=1)	Not applicable
Density (g/ml)	1.05 g/cm^3 @ 20°C.
Solubility(ies)	Miscible with: Water
Partition Coefficient (n-Octanol/water)	Not determined.
Auto Ignition Point (°C)	270°C
Decomposition Temperature (°C)	Product is not selfigniting.
Viscosity (mPa. s)	Not determined.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

9.2 Other information

Organic solvents - Content	69.8%
Water - Content	20.0%

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.

11.TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Mixtures

Acute toxicity	Low acute toxicity.
Skin corrosion/irritation	Non-irritant.
Serious eye damage/irritation	Not classified.
Respiratory or skin sensitization	It is not a skin sensitiser.
Germ cell mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	No evidence of carcinogenicity.

	Reproductive toxicity	None anticipated.
	STOT - single exposure	Not classified.
	STOT - repeated exposure	Not classified.
	Aspiration hazard	None anticipated.
	Irritation	
11.2	**Other information**	None.

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	**Results of PBT and vPvB assessment**	Not classified as PBT or vPvB.
12.6	**Enodcrine disrupting properties**	None known.
12.7	**Other adverse effects**	None.

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.

14.TRANSPORT INFORMATION

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.
	ADR Classification Code	Not hazardous according to current ADR Regulations.
	IATA Classification Code	Not hazardous according to current IATA Regulations.
	IMDG Classification Code	Not hazardous according to current IMDG Regulations.
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.

15.REGULATORY INFORMATION

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

15.1.1 EU regulations

Authorisations and/or Restrictions On Use	Not listed.
Candidate List of Substances of Very High Concern for Authorisation	Not listed
REACH: ANNEX XVII restrictions on the manufacture, placing on the market and use	Not listed
of certain dangerous substances, preparations and articles	Not listed
REACH: ANNEX XIV list of substances subject to authorisation	
Community Rolling Action Plan (CoRAP)	Not listed
Candidate List of Substances of Very High Concern for Authorisation	None known.

15.1.2 National regulations

Wassergefährdungsklasse (Germany)	WGK class 1
VOC-CH	69.75%
VOC-EU	69.75%None.

15.2 Chemical Safety Assessment A chemical safety assessment is not required under REACH.

16.OTHER INFORMATION

The following sections contain revisions or new statements: 3.2, 12.7.

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
STOT	Specific Target Organ Toxicity
DNEL	Derived No Effect Level
VOC	Volatile Organic Compounds

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Annex to the extended Safety Data Sheet (eSDS)

No information available.