

SCORPION

SAFETY DATA SHEET

SDS0087UK

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH) & 2015/830

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

- 1.1 Product identifier**
Product Name SCORPION SMOKE FUEL.
Trade Name SCORP 1000-XXX (XXX denotes customer variant) - Head unit for Point Detectors fitted with a non-reusable smoke fuel cartridge.
SCORP 2000-XXX (XXX denotes customer variant).
- Head unit for ASD Systems fitted with a non-reusable smoke fuel cartridge .
- CAS No. 8042-47-5
EINECS No. 232-455-8
REACH Registration No. 01-2119487078-27-0000
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Identified Use(s) Smoke generation.
Uses Advised Against None known.
- 1.3 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 SDS@detectortesters.com
- 1.4 Emergency telephone number**
Emergency Phone No. +44 (0) 1707 282760

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**
Regulation (EC) No. 1272/2008 (CLP) Not classified as dangerous for supply/use.
- 2.2 Label elements**
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** A highly refined mineral oil contains < 3% (w/w) DMSO.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

EC Classification No. 1272/2008

Hazardous Ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard Pictogram(s) and Hazard Statement(s)
White mineral oil (petroleum)	~ 99.9	8042-47-5	232-455-8	01-2119487078-27-0000	None

3.2 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. Seek medical attention if ill effects occur.
Skin Contact Wash skin with soap and water. Seek medical attention if irritation persists.
Eye Contact Flush eyes with water for at least 15 minutes. Seek medical attention if ill effects occur.
- 4.2 Most important symptoms and effects, both acute and delayed**
Ingestion Wash out mouth with water. Seek medical treatment.
Oil acne/folliculitis signs and symptoms may include formation of black pustules and spots on the skin of exposed areas. Ingestion may result in nausea, vomiting and / or diarrhoea.
- 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 Extinguish preferably with foam, carbon dioxide or dry chemical.
Unsuitable extinguishing media Do not use water.
- 5.2 Special hazards arising from the substance or mixture**
May decompose in a fire giving off toxic fumes. Carbon monoxide, Unidentified organic, Inorganic compounds.

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- 5.3 Advice for fire-fighters** Fire fighters should wear complete protective clothing including self-contained breathing apparatus. (EN469)

SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures** Avoid contact with skin and eyes.
- 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 or recovery.
- 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 Strong oxidising agents.
- 7.3 Specific end use(s)** Smoke generator.

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
White mineral oil (petroleum)	8042-47-5	-	-	-	-	None.

- 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.
If eye contact is likely: Wear eye/face protection.
-  Skin protection (Hand protection/ Other) Wear suitable gloves if prolonged skin contact is likely. Wear neoprene or nitrile gloves.
-  Respiratory protection No personal respiratory protective equipment normally required.
-  Thermal hazards Not applicable.
- 8.2.3 Environmental Exposure Controls** Do not release large quantities into the surface water or into drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Information on basic physical and chemical properties**
- Appearance Liquid.
- Colour Colourless.
- Odour Slight hydrocarbon.
- Odour threshold Not applicable.
- pH Not applicable.
- Melting point/freezing point Not applicable.
- Initial boiling point and boiling range > 280°C/ 536°F
- Flash Point 200°C/ 392°F (COC)
- Evaporation rate Not applicable.
- Flammability (solid, gas) Non-flammable.
- Upper/lower flammability or explosive limits 1-10%(V) (Mineral oil)
- Vapour pressure < 0.5 Pa @ 20°C/ 68°F
- Density 856 kg/m³ @ 15°C/ 59°F
- Vapour Density (Air=1) > 1
- Relative density 0.856 @ 15°C
- Solubility (Water) Negligible.
- Partition coefficient: n-octanol/water log P > 6
- Auto-ignition temperature > 320°C/ 608°F
- Decomposition Temperature Not applicable.
- Dynamic viscosity Not applicable.
- Kinematic Viscosity 22 mm²/s @ 40°C/ 104°F
- Explosive properties Not explosive.

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9.2	Oxidising properties	Not oxidising.
	Other information	
	Volatile Organic Compounds	0%
	Pour Point (°C)	-15°C/ 5°F

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	Heat and direct sunlight.
10.5	Incompatible materials	Strong oxidising agents.
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. Oral: LD50 (rat) >5000mg/kg Inhalation: LC50 (rat) (4 hour(s)) >5mg/l Dermal: LD50 (rabbit) >2000mg/kg
	Skin corrosion/irritation	Non-irritant.
	Serious eye damage/irritation	Not classified.
	Respiratory or skin sensitization	It is not a skin sensitiser. It is not a respiratory sensitizer.
	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.
11.2	Other information	None.

SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	Low toxicity to aquatic organisms. Fish: LL50 (Rainbow trout) (96 hour) >1000mg/l Aquatic invertebrates: LL50 (Daphnia magna) (48 hour) >100mg/l
12.2	Persistence and degradability	Biodegradable.
12.3	Bioaccumulative potential	The substance has potential for bioaccumulation.
12.4	Mobility in soil	Floats on water. The substance is predicted to have low 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	Waste material: Recover or recycle if possible. Packaging waste: Consult an accredited waste disposal contractor or the local authority for advice.
13.2	Additional Information	Disposal should be in accordance with local, state or national legislation. Waste code (Europe): 13 08 99, 15 01 10 Category of waste: N

SECTION 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)/ Division	
	ADR	Not applicable.
	IMDG	Not applicable.
	IATA	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	EU regulations	
	Authorisations and/or Restrictions On Use	
	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 of certain dangerous substances, preparations and articles	Not listed.
	REACH: ANNEX XIV list of substances subject to authorisation	Not listed.
	Community Rolling Action Plan (CoRAP)	Not listed.
15.1.2	National regulations	None known.
15.2	Chemical Safety Assessment	Available.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1.

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative

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Annex to the extended Safety Data Sheet (eSDS)

No information available.