

SCORPION

**SAFETY DATA SHEET**

SDS0087UK

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH) & 453/2010

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

<b>1.1 Product identifier</b>	
Product Name	SCORPION.
Trade Name	SCORP 1000-XXX (XXX denotes customer variant). - Head unit for Point Detectors SCORP 2000-XXX (XXX denotes customer variant). - Head unit for ASD Systems
CAS No.	8042-47-5
EINECS No.	232-455-8
REACH Registration No.	01-2119487078-27-0000
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	
Identified use(s)	Smoke generator.
Uses advised against	None known.
<b>1.3 Details of the supplier of the Safety Data Sheet</b>	
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
<b>1.4 Emergency telephone number</b>	
Emergency Phone No.	+44 (0) 1707 282760

**2. SECTION 2: HAZARDS IDENTIFICATION**

<b>2.1 Classification of the substance or mixture</b>	
Regulation (EC) No. 1272/2008 (CLP)	Not classified as dangerous for supply/use.
<b>2.2 Label elements</b>	According to Regulation (EC) No. 1272/2008 (CLP)
Hazard pictogram(s)	None.
Signal word(s)	None.
Hazard statement(s)	None.
Precautionary statement(s)	None.
<b>2.3 Other hazards</b>	None.
<b>2.4 Additional Information</b>	A highly refined mineral oil contains < 3% (w/w) DMSO.

### 3. 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.

### 4. 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 with plenty of 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

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.

### 5. SECTION 5: FIRE-FIGHTING 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.

#### 5.3 Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. (EN469)

### 6. 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.

### 7. 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.

## SCORPION

7.3 **Specific end use(s)** Smoke generator.

### 8. 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 <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
None assigned						

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.

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.

### 9. 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/m <sup>3</sup> @ 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

## SCORPION

Decomposition Temperature	Not applicable.
Dynamic viscosity	Not applicable.
Kinematic Viscosity	22 mm <sup>2</sup> /s @ 40°C/ 104°F
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
<b>9.2 Other information</b>	
Volatile Organic Compounds	0%
Pour Point (°C)	-15°C/ 5°F

### 10. SECTION 10: STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	Stable under normal conditions.
<b>10.2 Chemical stability</b>	Stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	Stable under normal conditions.
<b>10.4 Conditions to avoid</b>	Heat and direct sunlight.
<b>10.5 Incompatible materials</b>	Strong oxidising agents.
<b>10.6 Hazardous Decomposition Product(s)</b>	Carbon monoxide.

### 11. SECTION 11: TOXICOLOGICAL INFORMATION

<b>11.1 Information on toxicological effects</b>	
<b>11.1.1 Substances</b>	
<b>Acute toxicity</b>	Low acute toxicity. Oral: LD50 (rat) >5000mg/kg Inhalation: LC50 (rat) (4 hour(s)) >5mg/l Dermal: LD50 (rabbit) >2000mg/kg
<b>Skin corrosion/irritation</b>	Non-irritant.
<b>Serious eye damage/irritation</b>	Not classified.
<b>Respiratory or skin sensitization</b>	It is not a skin sensitiser. It is not a respiratory sensitizer.
<b>Germ cell mutagenicity</b>	There is no evidence of mutagenic potential.
<b>Carcinogenicity</b>	No evidence of carcinogenicity.
<b>Reproductive toxicity</b>	Not classified.
<b>STOT-single exposure</b>	None anticipated.
<b>STOT-repeated exposure</b>	None anticipated.
<b>Aspiration hazard</b>	Not classified.
<b>11.2 Other information</b>	None.

### 12. SECTION 12: ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	Low toxicity to aquatic organisms. Fish: LL50 (Rainbow trout) (96 hour) >1000mg/l Aquatic invertebrates: LL50 (Daphnia magna) (48 hour) >100mg/l
<b>12.2 Persistence and degradability</b>	Biodegradable.
<b>12.3 Bioaccumulative potential</b>	The substance has potential for bioaccumulation.
<b>12.4 Mobility in soil</b>	Floats on water. The substance is predicted to have low mobility in soil.
<b>12.5 Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
<b>12.6 Other adverse effects</b>	None.

### 13. SECTION 13: DISPOSAL CONSIDERATIONS

<b>13.1 Waste treatment methods</b>	Waste material: Recover or recycle if possible. Packaging waste: Consult an accredited waste disposal contractor or the local authority for advice.
<b>13.2 Additional Information</b>	Disposal should be in accordance with local, state or national legislation. Waste code (Europe): 13 08 99, 15 01 10

## SCORPION

Category of waste: N

### 14. SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous for transport.

14.1	<b>UN number</b>	Not applicable.
14.2	<b>UN Proper Shipping Name</b>	Not applicable.
14.3	<b>Transport hazard class(es)/ Division</b>	Not applicable.
14.4	<b>Packing Group</b>	Not applicable.
14.5	<b>Environmental hazards</b>	Not applicable.
14.6	<b>Special precautions for user</b>	Not applicable.
14.7	<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.

### 15. SECTION 15: REGULATORY INFORMATION

15.1	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
15.1.1	<b>EU regulations</b>	
	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, mixtures and articles	Not listed.
	REACH: ANNEX XIV List of substances subject to authorisation	Not listed.
	Community Rolling Action Plan (CoRAP); Draft 26/03/2014	Not listed.
15.1.2	<b>National regulations</b>	None known.
15.2	<b>Chemical Safety Assessment</b>	Available.

### 16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

#### 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

#### Disclaimers

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#### Annex to the extended Safety Data Sheet (eSDS)

No information available.