

Safety Data Sheet

MIDAS
SPIDEREX[®]

Section 1 : Identification Of The Substance/mixture And Of The Company/undertaking

1.1. Product identifier

Product name MIDAS SPIDEREX
Internal identification A2928

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Insecticidal spray.

1.3. Details of the supplier of the safety data sheet

Supplier Quality Essential Distribution Group
Unit 445 Oakshott Place,
Walton Summit Centre,
Bamber Bridge,
Preston, Lancashire.
PR5 8AT
01772 336 111
01772 336 444
sales@qedgroup.co.uk

1.4. Emergency telephone number

Emergency telephone 01772 336 111

Section 2 : Hazards Identification

2.1. Classification of the substance or mixture

Classification
Physical hazards Aerosol 1 - H222, H229
Health hazards Not Classified
Environmental hazards Aquatic Acute 1 - H400
Classification F+;R12. N;R50/53. R66
(67/548/EEC or 1999/45/EC)

2.2. Label elements

Pictogram



Signal word

Danger

Hazard statements

EUH208 Contains PERMETHRIN. May produce an allergic reaction
H222 Extremely flammable aerosol.
H400 Very toxic to aquatic life.
H229 Pressurised container: may burst if heated

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Precautionary Statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

P501 Dispose of contents/container in accordance with national regulations.

P102 Keep out of reach of children.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

Section 3 : Composition/information On Ingredients

3.2. Mixtures

Hydrocarbons, C11-14, n-alkanes,cyclic, <2% aromatics CAS number: — EC number: 926-141-6	60-100% REACH registration number: 01-2119456620-43-xxxx
Classification Asp. Tox. 1 - H304	Classification (67/548/EEC or 1999/45/EC) Xn;R65. R66.
HYDROCARBON PROPELLANT CAS number: 68476-85-7 EC number: 270-704-2	10-30%
Classification Flam. Gas 1 - H220 Press. Gas, Liquefied - H280	Classification (67/548/EEC or 1999/45/EC) F+;R12.
PERMETHRIN CAS number: 52645-53-1 EC number: 258-067-9 M factor (Acute) = 100	<1%
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 3 - H331 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC or 1999/45/EC) Xn;R20/22 R43 N;R50/53

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The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Section 4 : First Aid Measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention if any discomfort continues.
Skin contact	Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

General information	The product contains a sensitising substance.
Inhalation	May cause drowsiness or dizziness.
Ingestion	May cause discomfort if swallowed.
Skin contact	May cause sensitisation or allergic reactions in sensitive individuals.
Eye contact	May cause discomfort.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
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Section 3 : Firefighting Measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with foam, carbon dioxide or dry powder.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards	Extremely flammable aerosol. Pressurised container: may burst if heated
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO ₂).

5.3. Advice for firefighters

Protective actions during firefighting	Containers close to fire should be removed or cooled with water.
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7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8 : Exposure Controls/Personal Protection

8.1. Control parameters

Occupational exposure limits

Hydrocarbons, C11-14, n-alkanes,cyclic, <2% aromatics

Long-term exposure limit (8-hour TWA): WEL 1000 mg/m³

HYDROCARBON PROPELLANT

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m³

Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m³

WEL = Workplace Exposure Limit

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. For users with sensitive skin, it is recommended that suitable protective gloves are worn. For exposure up to 4 hours, wear gloves made of the following material: Nitrile rubber. Rubber (natural, latex). Neoprene. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. The selected gloves should have a breakthrough time of at least 4 hours. The breakthrough time for any glove material may be different for different glove manufacturers. When used with mixtures, the protection time of gloves cannot be accurately estimated. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected.

Hygiene measures

Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse.

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SECTION 9 : Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	Colourless.
Odour	Hydrocarbons.
pH	Not applicable.
Solubility(ies)	Insoluble in water.

9.2. Other information

Other information	Not determined.
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SECTION 10 : Stability and Reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not determined.
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10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition.
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10.5. Incompatible materials

Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO ₂). Carbon monoxide (CO).
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SECTION 11 : Toxicological Information

11.1. Information on toxicological effects

Acute toxicity - inhalation

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ATE inhalation (vapours mg/l) 1,818.82

Inhalation	Vapours may cause headache, fatigue, dizziness and nausea.
Ingestion	May cause discomfort if swallowed.
Skin contact	The product contains a sensitising substance. May cause sensitisation or allergic reactions in sensitive individuals.
Eye contact	May cause discomfort.

Toxicological information on ingredients.

Hydrocarbons, C11-14, n-alkanes,cyclic, <2% aromatics

Acute toxicity - oral

Acute toxicity oral 5,000.0

(LD₅₀mg/kg)

Species Rat

ATE oral (mg/kg) 5,000.0

Acute toxicity - dermal

Acute toxicity dermal 5,000.0

(LD₅₀mg/kg)

Species Rabbit

ATE dermal (mg/kg) 5,000.0

Acute toxicity - inhalation

Acute toxicity inhalation 5,001.0

(LC₅₀ vapours mg/l)

Species Rat

ATE inhalation (vapours mg/l) 5,001.0

Inhalation	Gas or vapour in high concentrations may irritate the respiratory system. Symptom following overexposure may include the following: Coughing.
Ingestion	May cause discomfort if swallowed.
Skin contact	Liquid may irritate skin.
Eye contact	Vapour or spray in the eyes may cause irritation and smarting.

HYDROCARBON PROPELLANT

Acute toxicity - inhalation

Acute toxicity inhalation 21.0

(LC₅₀ vapours mg/l)

Species Rat

ATE inhalation (vapours mg/l) 21.0

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PERMETHRIN

Acute toxicity - oral	
Acute toxicity oral	554.0
(LD ₅₀ mg/kg)	
Species	Rat
ATE oral (mg/kg)	554.0
Acute toxicity - dermal	
Acute toxicity dermal	2,000.0
(LD ₅₀ mg/kg)	
Species	Rat
ATE dermal (mg/kg)	2,000.0
Acute toxicity - inhalation	
Acute toxicity inhalation	4.638
(LC ₅₀ vapours mg/l)	
Species	Rat
ATE inhalation (vapours mg/l)	4.638

SECTION 12 : Ecological Information

Ecotoxicity Very toxic to aquatic life.

12.1. Toxicity

Acute toxicity - fish Not determined.

Ecological information on ingredients.

	Hydrocarbons, C11-14, n-alkanes,cyclic, <2% aromatics
Acute toxicity - fish	LC50, 96 hours, 96 hours: > 1000 mg/l, Onchorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours, 48 hours: > 1000 mg/l, Daphnia magna EC ₅₀ , 48 hours: >250ppm mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC ₅₀ , 72 hours: 20ppm mg/l, Algae

PERMETHRIN

Acute aquatic toxicity	
LE(C) ₅₀	0.001 < L(E)C50 ≤ 0.01
M factor (Acute)	100
Acute toxicity - fish	LC50, 96 hours, 96 hours: 0.0089 mg/l, Poecilia reticulata (Guppy) LC50, 96 hours, 96 hours: 0.145 mg/l, Cyprinus carpio (Common carp)
Acute toxicity - aquatic invertebrates	EC ₅₀ , : 0.020 mg/l, Daphnia magna

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Acute toxicity - aquatic plants	, 72 hours, 72 hours: > 0.011 mg/l, Scenedesmus subspicatusv
Acute toxicity - microorganisms	EC ₅₀ , 3 hours, 3 hours: > 1000 , Activated sludge
Chronic aquatic toxicity NOEC	0.01 < NOEC ≤ 0.1
Degradability	Rapidly degradable

12.2. Persistence and degradability

Persistence and degradability The product is expected to be biodegradable.

Ecological information on ingredients.

Hydrocarbons, C11-14, n-alkanes,cyclic, <2% aromatics

Persistence and degradability The product is biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility The product is insoluble in water and will spread on the water surface.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

Hydrocarbons, C11-14, n-alkanes,cyclic, <2% aromatics

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects Not determined.

SECTION 12 : Disposable Considerations

13.1. Waste treatment methods

Disposal methods Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

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SECTION 12 : Transport Information

14.1. UN number

UN No. (ADR/RID)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	AEROSOLS
Proper shipping name (IMDG)	AEROSOLS
Proper shipping name (ICAO)	AEROSOLS

14.3. Transport hazard class(es)

ADR/RID class	2.1
IMDG class	2.1
ICAO class/division	2.1
Transport labels	



14.4. Packing group

ADR/RID packing group	5F
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14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

Tunnel restriction code (D)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable

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SECTION 12 : Regulatory Information

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

National regulations	Control of Substances Hazardous to Health Regulations 2002 (as amended).
EU legislation	Commission Regulation (EU) No 453/2010 of 20 May 2010. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Guidance	Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

SECTION 12 : Other Information

Abbreviations and acronyms used in the safety data sheet	ATE: Acute Toxicity Estimate. ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. CAS: Chemical Abstracts Service. DNEL: Derived No Effect Level. IATA: International Air Transport Association. IMDG: International Maritime Dangerous Goods. PBT: Persistent, Bioaccumulative and Toxic substance. PNEC: Predicted No Effect Concentration.
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	08/02/2016
Revision	3.0
Supersedes date	04/07/2013
Risk phrases in full	R12 Extremely flammable. R20/22 Harmful by inhalation and if swallowed. R43 May cause sensitisation by skin contact. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65 Harmful: may cause lung damage if swallowed. R66 Repeated exposure may cause skin dryness or cracking. Hazard statements in full H220 Extremely flammable gas. H222 Extremely flammable aerosol. H229 Pressurised container: may burst if heated H280 Contains gas under pressure; may explode if heated. H302 Harmful if swallowed.



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H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H317 May cause an allergic skin reaction.

H331 Toxic if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

EUH208 Contains PERMETHRIN. May produce an allergic reaction.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.