

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product name SCORPION CLIMATE LEAK DETECTOR AEROSOL

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

Identified uses

1.3. Details of the supplier of the safety data sheet**Supplier**Scorpion Climate Ltd
Unit 3, Deanland Industrial Estate
Deanland Road, Golden Cross
East Sussex BN27 3RP
United Kingdom
T: +44 (0)1825 872726
E: sales@scorpionclimate.com
www.scorpionclimate.com**1.4. Emergency telephone number**

Emergency telephone +44 (0)1825 872726

SECTION 2: Hazards Identification**2.1. Classification of the substance or mixture****Classification****Physical hazards**

Aerosol 3 - H229

Health hazards

Eye Irrit. 2 - H319

Environmental hazards

Not Classified

Classification (07/545/EEC or 1909/45/EC)**Human health**

Gas or vapour is harmful on prolonged exposure or in high concentrations. In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.

Environmental

This product does not contain substances which are harmful to aquatic organisms or which may cause long term effects to the aquatic environment

Physicochemical

Aerosol containers can explode when heated, due to excessive pressure build-up.

2.2. Label elements**Pictogram****Signal word**

Warning

Hazard statements

H229 Pressurised container: may burst if heated
H319 Causes serious eye irritation.

Precautionary statements

P102 Keep out of reach of children.
P501 Dispose of contents/container in accordance with local regulations.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251 Do not pierce or burn, even after use.
P260 Do not breathe vapour/spray.
P271 Use only outdoors or in a well-ventilated area.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

SODIUM LAURYL SARCOSINATE		1-5%
CAS number: 137-16-6 EC number: 205-281-5 REACH registration number: 01-2119527780-39		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Acute Tox. 2 - H330	T;R23. Xi;R38,R41.	
Skin Irrit. 2 - H315		
Eye Dam. 1 - H318		
SODIUM NITRITE		<1%
CAS number: 7632-00-0 EC number: 231-555-9 REACH registration number: 01-2119471836-27		
M factor (Acute) = 1		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Ox. Sol. 3 - H272	O;R8 T;R25 N;R50	
Acute Tox. 3 - H301		
Aquatic Acute 1 - H400		

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

General information

Move affected person to fresh air at once.

Inhalation

If spray/mist has been inhaled, proceed as follows. 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.

Skin contact

Use suitable lotion to moisturise skin.

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 immediately. Continue to rinse.

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

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

SECTION 5: Firefighting measures

5.1. Extinguishing media**Suitable extinguishing media**

Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture**Specific hazards**

Containers can burst violently or explode when heated, due to excessive pressure build-up. Containers can burst violently or explode when heated, due to excessive pressure build-up.

5.3. Advice for firefighters**Protective actions during firefighting**

Warn firefighters that aerosols are involved. Containers close to fire should be removed or cooled with water.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****Personal precautions**

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions**Environmental precautions**

Not considered to be a significant hazard due to the small quantities used.

6.3. Methods and material for containment and cleaning up**Methods for cleaning up**

Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Usage precautions**

Read and follow manufacturer's recommendations. Do not spray near a naked flame or any incandescent material.

7.2. Conditions for safe storage, including any incompatibilities**Storage precautions**

Keep away from heat, sparks and open flame. Store at moderate temperatures in dry, well ventilated area. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

7.3. Specific end use(s)**SECTION 8: Exposure Controls/personal protection****8.1. Control parameters****Occupational exposure limits****SODIUM NITRITE**

Long-term exposure limit (8-hour TWA): No std.

8.2. Exposure controls**Appropriate engineering controls**

Provide adequate ventilation. Avoid inhalation of vapours and spray/mists. Observe any occupational exposure limits for the product or ingredients.

Personal protection

When using do not smoke.

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: Chemical splash goggles.

Hand protection

Due to the packaging form, aerosol, risk of skin contact is small. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. 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.

Other skin and body protection

Not relevant

Hygiene measures

Wash hands after handling. Wash promptly if skin becomes contaminated. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

SECTION 9: Physical and Chemical Properties**9.1. Information on basic physical and chemical properties****Appearance**

Aerosol.

Colour

N/A

Odour

No characteristic odour.

Flash point

>100°C

Upper/lower flammability or explosive limits

:

Relative density

1.0 @ 20°C

Solubility(ies)

Soluble in water.

Comments

Information given is applicable to the major ingredient.

9.2. Other information**SECTION 10: Stability and reactivity****10.1. Reactivity****10.2. Chemical stability****Stability**

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

No potentially hazardous reactions known.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

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.

10.6. Hazardous decomposition products

Not known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)

100,000.0

Acute toxicity - Inhalation

ATE Inhalation (vapours mg/l)

56.49717514

Inhalation

May cause respiratory system irritation.

Ingestion

No specific health hazards known.

Skin contact

Skin irritation should not occur when used as recommended. Repeated exposure may cause skin dryness or cracking.

Eye contact

Vapour or spray in the eyes may cause irritation and smarting.

Acute and chronic health hazards

Because of the product's quantity and composition, the health hazard is regarded as low. In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

Route of entry

Inhalation

Target organs

No specific target organs known.

Medical symptoms

No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

SECTION 12: Ecological information

Ecotoxicity

No negative effects on the aquatic environment are known. The product is not expected to be toxic to aquatic organisms.

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information

Do not puncture or incinerate, even when empty.

Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG. These provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing that they are labelled in accordance with the requirements of these regulations to show that they are being transported as Limited Quantities. Aerosols not so packed and labelled must show the following.

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
Proper shipping name (ADN) AEROSOLS

14.3. Transport hazard class(es)

ADR/RID class 2.2
ADR/RID subsidiary risk
ADR/RID label 2.2
IMDG class 2.2
IMDG subsidiary risk
ICAO class/division 2.2
ICAO subsidiary risk
Transport labels



14.4. Packing group

Not applicable.

ADR/RID packing group
IMDG packing group
ICAO packing group

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-D, S-U
Emergency Action Code

Hazard Identification Number
(ADR/RID)

Tunnel restriction code (E)

14.7. Transport in bulk according to Annex II of MARPOL78/78 and the IBC Code

SECTION 15: Regulatory information

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

National regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

EU legislation

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. CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131. British Aerosol Manufacturers Code of Practice 7th. Edition 1999

15.2. Chemical safety assessment

SECTION 16: Other information

Revision date 04/07/2014

Revision 1

SDS number 10794

SDS status Approved.

Risk phrases in full

NC Not classified.
R23 Toxic by inhalation.
R25 Toxic if swallowed.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.
R50 Very toxic to aquatic organisms.
R8 Contact with combustible material may cause fire.

Hazard statements in full

H229 Pressurised container: may burst if heated
H272 May intensify fire; oxidiser.
H301 Toxic if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H400 Very toxic to aquatic life.

Disclaimer

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.