

Productname : Leak Detector Creationdate : 05.01.15 Version : 2.0
Ref.Nr.: BDS001563_3_20150105 (EN) Replaces: UK10037

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Leak Detector
Aerosol

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

Gas leak detector

1.3. Details of the supplier of the safety data sheet

CRC Industries UK Ltd.
Ambersil House - Wylds Road
Castlefield Industrial Estate
TA6 4DD Bridgwater Somerset
United Kingdom
Tel.: +44 1278 727200
Fax.: +44 1278 425644
E-mail : hse.uk@crcind.com

1.4. Emergency telephone number

(+44)(0)1278 72 7200

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Physical:	Aerosol, category 3 Pressurised container: May burst if heated.
Health:	Eye irritation, category 2 Causes serious eye irritation.
Environment:	Not classified
Other hazards :	Contains: 1,2-benzisothiazol-3(2H)-one May produce an allergic reaction.

Classification according to 67/548/EEC or 1999/45/EC:

Health:	Not classified
Physical:	Not classified

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Environment: Not classified

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictogram(s):



Signal word:	Warning
Hazard statement(s):	H229 : Pressurised container: May burst if heated. H319 : Causes serious eye irritation.
Precautionary statement(s):	P102 : Keep out of reach of children. 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. P280 : Wear protective gloves/protective clothing/eye protection/face protection. P337/313 : If eye irritation persists: Get medical advice/attention. P410/412 : Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P501-2 : Dispose of contents/container to an authorised waste collection point.
Supplemental Hazard information:	Contains: 1,2-benzisothiazol-3(2H)-one May produce an allergic reaction.

2.3. Other hazards

None

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

Hazardous ingredient	CAS-nr.	EC-nr	w/w %	symbol	R-phrases*	Notes
2-amino-2-methylpropanol	124-68-5	204-709-8	<1	Xi	36/38-52/53	
Amines, C12-14 (even numbered)- alkyldimethyl, N-oxides	308062-28-4	(931-292-6)	<1	Xn,N	22-38-41-50	
dinitrogen oxide	10024-97-2	233-032-0	<2.5	O	8	B,W
(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	110-25-8	203-749-3	<2.5	Xn,N	20-38-41-50	
1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9	<0.05	Xn,N	22-38-41-43-50	
Explanation notes						
B : substance with national established workplace exposure limit						
W : Note: substance mentioned on the list of CMR-substances of the Dutch Ministry of Social Affairs and Employment (SZW)						

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Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
2-amino-2-methylpropanol		124-68-5	204-709-8	<1	Eye Irrit. 2, Skin Irrit. 2, Aquatic Chronic 3	H319,H315,H412	
Amines, C12-14 (even numbered)- alkyldimethyl, N-oxides	01-2119490061-47	308062-28-4	(931-292-6)	<1	Eye Dam. 1, Acute Tox. 4, Skin Irrit. 2, Aquatic Acute 1, Aquatic Chronic 2	H318,H302,H315,H400,H411	
dinitrogen oxide	01-2119970538-25	10024-97-2	233-032-0	<2.5	Oxidising gas, category 1, Gas under pressure*	H270,H280	B,W
(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	01-2119488991-20	110-25-8	203-749-3	<2.5	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Acute 1	H332,H315,H318,H400	
1,2-benzisothiazol-3(2H)-one		2634-33-5	220-120-9	<0.05	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1	H302,H315,H318,H317,H400	

Explanation notes

B : substance with national established workplace exposure limit

W : Note: substance mentioned on the list of CMR-substances of the Dutch Ministry of Social Affairs and Employment (SZW)

(* Explanation phrases : see chapter 16)

SECTION 4: First aid measures**4.1. Description of first aid measures**

Contact with eyes :	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Contact with skin :	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
Inhalation :	Fresh air, keep warm and at rest.
Ingestion :	If swallowed accidentally, do not induce vomiting and seek medical advice.

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

Inhalation :	No harmful effects known if used for its intended purpose
Ingestion :	no special hazards known - LD50 oral rat > 5000 mg/kg
Skin contact :	May cause irritation. Symptoms : redness and pain
Eye contact :	Irritating to eyes Symptoms : redness and pain

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

General Advice :	If you feel unwell, seek medical advice (show the label where possible) If symptoms persist always call a doctor
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SECTION 5: Firefighting measures**5.1. Extinguishing media**

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foam, carbon dioxide or dry agent

5.2. Special hazards arising from the substance or mixture

Aerosols may explode if heated above 50°C
Forms hazardous decomposition products
CO,CO2

5.3. Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water
In case of fire, do not breathe fumes

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Shut off all ignition sources
Ensure adequate ventilation
Wear suitable protective clothing and gloves.

6.2. Environmental precautions

Do not allow to enter public sewers and watercourses
If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

6.3. Methods and material for containment and cleaning up

Absorb spillage in suitable inert material
Place in appropriate container

6.4. Reference to other sections

For further information see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep away from heat and sources of ignition
Take precautionary measures against static discharges
Equipment should be earthed
Use explosion-proof electrical/ventilating/lighting/.../equipment.
Use only non-sparking tools.
Do not breathe aerosols or vapours.
Ensure adequate ventilation
Avoid contact with skin and eyes.
Wash thoroughly after use

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Wear protective gloves/protective clothing/eye protection/face protection.
 Eyewash bottles should be available

7.2. Conditions for safe storage, including any incompatibilities

Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.
 Keep out of reach of children.

7.3. Specific end use(s)

Gas leak detector

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits :

Hazardous ingredient	CAS-nr.	method	
National established exposure limits, United Kingdom			
dinitrogen oxide	10024-97-2	TWA	100 ppm

8.2. Exposure controls

Control procedures :	Ensure adequate ventilation Keep away from heat and sources of ignition Take precautionary measures against static discharges
Personal protection :	Take precautions to avoid contact with skin and eyes when handling the product. In all cases handle and use the product in accordance with good industrial hygiene practices. Ensure adequate ventilation
inhalation :	In case of insufficient ventilation, wear suitable respiratory equipment.
recommended respiratory protection:	Air purifying respirator equipped with organic gas/vapor cartridge (type A)
hands and skin :	For incidental contact with the product wear chemical-resistant gloves (standard EN 374). The use of disposable gloves is acceptable provided that they are changed immediately after a splash or spill. Where intentional contact is expected reusable gloves with a breakthrough time of minimum 10 minutes should be used. The breakthrough time of the glove has to be adapted to the total duration of product use.
Recommended gloves:	Nitrile
eyes :	Wear safety goggles.
Environmental protection:	Avoid release to the environment. Collect spillage.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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(for aerosols data for the product without propellant)

Apperance : physical state : N2O propelled liquid.
colour : Colorless.
odour : Neutral.
pH : 7.76
Boiling point/range : Not available.
Flash point : None
Evaporation rate : Not available.
Explosion limits : upper limit : Not available.
lower limit : Not available.
Vapour pressure : Not available.
Relative density : 0.999 g/cm³ (@ 20°C).
Solubility in water : Soluble in water
Auto-ignition : > 200 °C

9.2. Other information

VOC: 0.5 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions known if used for its intended purpose

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose

10.4. Conditions to avoid

Avoid overheating

10.5. Incompatible materials

Strong oxidising agent

10.6. Hazardous decomposition products

CO,CO₂

SECTION 11: Toxicological information

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11.1. Information on toxicological effects

acute toxicity:	based on available data the classification criteria are not met
irritation:	Causes serious eye irritation.
corrosivity:	based on available data the classification criteria are not met
sensitisation:	May produce an allergic reaction.
repeated dose toxicity:	based on available data the classification criteria are not met
carcinogenicity:	based on available data the classification criteria are not met
mutagenicity:	based on available data the classification criteria are not met
toxicity for reproduction:	based on available data the classification criteria are not met

Information on likely routes of exposure:

Inhalation :	No harmful effects known if used for its intended purpose
Ingestion :	no special hazards known - LD50 oral rat > 5000 mg/kg
Skin contact :	May produce an allergic reaction.
Eye contact :	Causes serious eye irritation.

Toxicological data :

Hazardous ingredient	CAS-nr.	method	
(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	110-25-8	LD50 oral rat	9200 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

Not classified

Ecotoxicological data:

Hazardous ingredient	CAS-nr.	method	
(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	110-25-8	IC50 algae	5.1 mg/l
		LC50 fish	3.2-4.6 mg/l
		EC50 daphnia	0.53 mg/l

12.2. Persistence and degradability

No experimental data available

12.3. Bioaccumulative potential

No experimental data available

12.4. Mobility in soil

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Soluble in water

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

No experimental data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product : This material and its container must be disposed of in a safe way. Do not discharge into drains or the environment, dispose to an authorised waste collection point.
National regulations : Disposal should be in accordance with local, state or national legislation

SECTION 14: Transport information

14.1. UN number

UN-number : 1950

14.2. UN proper shipping name

Proper shipping name: AEROSOLS

14.3. Transport hazard class(es)

Class: 2.2
Subsidiary risk: 5.1
ADR/RID - Classification code: 5A

14.4. Packing group

Packing group: Not applicable.

14.5. Environmental hazards

ADR/RID - Environmentally hazardous: No
IMDG - Marine pollutant: No
IATA/ICAO - Environmentally hazardous: No

14.6. Special precautions for user

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ADR/RID - Tunnelcode:	(E)
IMDG - Ems:	F-D, S-U
IATA/CAO - PAX:	203
IATA/CAO - CAO	203

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

Not applicable.

SECTION 15: Regulatory information

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

The Safety Data Sheet is compiled according to the current European requirements.
Dir. 2013/10/EU, 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC.
EU-directive 99/45/EC
Regulation (EC) No 1272/2008 (CLP)
Regulation (EC) No 1907/2006 (REACH)

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

*Explanation risk-phrases:	R8: Contact with combustible material may cause fire. R20: Harmful by inhalation. R22: Harmful if swallowed. R38: Irritating to skin. R41: Risk of serious damage to eyes. R43: May cause sensitization by skin contact. R50: Very toxic to aquatic organisms. R36/38: Irritating to eyes and skin. R50 R52/53
*Explanation hazard statements:	H270 : May cause or intensify fire; oxidiser. H280 : Contains gas under pressure; may explode if heated. H302 : Harmful if swallowed. H315 : Causes skin irritation. H317 : May cause an allergic skin reaction. H318 : Causes serious eye damage. H319 : Causes serious eye irritation. H332 : Harmful if inhaled. H400 : Very toxic to aquatic life. H411 : Toxic to aquatic life with long lasting effects. H412 : Harmful to aquatic life with long lasting effects.
REVISIONS IN CHAPTRE :	Classification according to Regulation (EC) No 1272/2008 Classification according to 67/548/EEC or 1999/45/EC: Labelling according to Regulation (EC) No 1272/2008

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8.2. Exposure controls

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties.

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