

**Productname :** LEAK DETECTOR  
**Ref.Nr.:** BDS000153\_3\_20110607

**Creationdate :** 07.06.11 Version : 1.0  
**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 67/548/EEC or 1999/45/EC:

<b>Health:</b>	not classified
<b>Physical:</b>	not classified
<b>Environment:</b>	R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 2.2. Label elements

<b>Risk-phrase(s) :</b>	R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Safety-phrase(s) :</b>	S2: Keep out of the reach of children. S23: Do not breathe vapours/spray. S24/25: Avoid contact with skin and eyes. S35: This material and its container must be disposed of in a safe way.



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S51: Use only in well-ventilated areas.

**Extra label elements according to Aerosol Dispenser Directive 75/324/EC:**

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

### 2.3. Other hazards

None

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable.

### 3.2. Mixtures

Mixture of water with surfactant, monoethanolamine and preservative

Hazardous ingredient	CAS-nr.	EC-nr	w/w %	symbol	R-phrases*	Notes
dinitrogen oxide	10024-97-2	233-032-0	1-5	-	-	B
2-aminoethanol ethanolamine	141-43-5	205-483-3	0-1	C	20/21/22-34	A
Amines, C12-18-alkyldimethyl, N-oxides	68955-55-5	273-281-2	0-1	Xi,N	38-41-50	
(Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine	110-25-8	203-749-3	0.25-2.5	Xi,N	38-41-50/53	
<b>Explanation notes</b>						
A : substance with Community workplace exposure limit						
B : substance with national established workplace exposure limit						

Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
dinitrogen oxide		10024-97-2	233-032-0	1-5	Oxidising gas, category 1, Gas under pressure*	H270, H280	B
2-aminoethanol ethanolamine		141-43-5	205-483-3	0-1	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B	H332, H312, H302, H314	A
<b>Explanation notes</b>							
A : substance with Community workplace exposure limit							
B : substance with national established workplace exposure limit							

(\* Explanation phrases : see chapter 16)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>Contact with eyes :</b>	If substance has got into eyes, immediately wash out with plenty of water
<b>Contact with skin :</b>	Wash with water and soap.
<b>Inhalation :</b>	Fresh air, keep warm and at rest.
<b>Ingestion :</b>	Ingestion is unlikely to occur If swallowed accidentally, do not induce vomiting and seek medical advice.

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

<b>Inhalation :</b>	No adverse health effects expected
<b>Ingestion :</b>	Ingestion is unlikely to occur May cause gastrointestinal disturbances Symptoms : sore throat, abdominal pain, nausea, vomiting
<b>Skin contact :</b>	Repeated exposure may cause skin dryness or cracking.
<b>Eye contact :</b>	No adverse health effects expected

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

<b>General Advice :</b>	In case of accident or 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

water, 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

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

Absorb spillage in suitable inert material  
Wash spill site with water and detergent

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#### 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  
Do not spray on a naked flame or incandescent material.  
Do not pierce or burn aerosols, even after use.  
Do not breathe aerosols or vapours.  
Ensure adequate ventilation  
Avoid contact with skin and eyes.

#### 7.2. Conditions for safe storage, including any incompatibilities

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.  
Store in a well-ventilated place.  
Store frost free  
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	
<b>EU established exposure limits:</b>			
2-aminoethanol ethanolamine	141-43-5	TWA	1 ppm
		STEL	3 ppm
<b>National established exposure limits, United Kingdom</b>			
dinitrogen oxide	10024-97-2	TWA	100 ppm
2-aminoethanol ethanolamine	141-43-5	TWA	1 ppm
		STEL	3 ppm

#### 8.2. Exposure controls

**Control procedures :** Ensure adequate ventilation  
Keep away from heat and sources of ignition



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<b>Personal protection :</b>	Take precautions to avoid contact with skin and eyes when handling the product. Ensure adequate ventilation
<b>inhalation :</b>	In case of insufficient ventilation, wear suitable respiratory equipment. Air purifying respirator equipped with organic gas/vapor cartridge (type A or AX)
<b>hands and skin :</b>	Wear suitable protective gloves (neoprene)
<b>eyes :</b>	Wear safety goggles.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Apperance : physical state :</b>	N2O propelled liquid.
<b>colour :</b>	Colorless.
<b>odour :</b>	Odorless.
<b>pH :</b>	7.46
<b>Boiling point/range :</b>	100 °C
<b>Flash point :</b>	None
<b>Evaporation rate :</b>	Not applicable.
<b>Explosion limits : upper limit :</b>	Not available.
<b>lower limit :</b>	Not available.
<b>Vapour pressure :</b>	Not available.
<b>Relative density :</b>	0.999 g/cm3 (@ 20°C).
<b>Solubility in water :</b>	Soluble in water
<b>Auto-ignition :</b>	> 200 °C
<b>Viscosity :</b>	Not available.

### 9.2. Other information

No information available

## 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



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Store frost-free

#### 10.5. Incompatible materials

Strong oxidising agent

#### 10.6. Hazardous decomposition products

CO,CO2

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

<b>Inhalation :</b>	No adverse health effects expected
<b>Ingestion :</b>	Ingestion is unlikely to occur
<b>Skin contact :</b>	Repeated exposure may cause skin dryness or cracking.
<b>Eye contact :</b>	No adverse health effects expected

#### Toxicological data :

No information available

### SECTION 12: Ecological information

#### 12.1. Toxicity

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Ecotoxicological data:

No information available

#### 12.2. Persistence and degradability

No experimental data available

#### 12.3. Bioaccumulative potential

No experimental data available

#### 12.4. Mobility in soil

Soluble in water

#### 12.5. Results of PBT and vPvB assessment



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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.

**Contaminated packaging :** 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, oxidising

#### 14.3. Transport hazard class(es)

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

#### 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

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



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#### 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. 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC.

EU-directive 99/45/EC

Regulation (EC) No 1907/2006 (REACH)

Regulation (EC) No 1272/2008

#### 15.2. Chemical safety assessment

No information available

### SECTION 16: Other information

\*Explanation risk-phrases:

- R34: Causes burns.
- R38: Irritating to skin.
- R41: Risk of serious damage to eyes.
- R50: Very toxic to aquatic organisms.
- R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.
- R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

\*Explanation hazard statements:

- H270 : May cause or intensify fire; oxidiser.
- H280 : Contains gas under pressure; may explode if heated.
- H302 : Harmful if swallowed.
- H312 : Harmful in contact with skin.
- H314 : Causes severe skin burns and eye damage.
- H332 : Harmful if inhaled.

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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