

Productname : LEAKFINDER
Ref.Nr.: BDS000158_3_20130621

Creationdate : 21.06.13 Version : 1.0
Replaces: BDS000158_20110607

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

1.1. Product identifier

LEAKFINDER
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 Europe bvba
Touwslagerstraat 1
9240 Zele
Belgium
Tel.: +32(0)52/45.60.11
Fax.: +32(0)52/45.00.34
E-mail : hse@crcind.com

| Subsidiaries | | Tel | Fax |
|---------------------------------|---|-------------------|------------------|
| CRC Industries Finland Oy | Asemanrinne 13, 08500 Lohja | +358/(19)32.921 | +358/(19)383.676 |
| CRC Industries France | 6, avenue du marais, C.S. 90028, 95102 Argenteuil Cedex | 01.34.11.20.00 | 01.34.11.09.96 |
| CRC Industries Deutschland GmbH | Südring 9, D-76473 Iffezheim | (07229) 303.0 | (07229)30 32 66 |
| CRC INDUSTRIES IBERIA S.L.U. | GREMIO DEL CUERO-PARC.96, POLIGONO INDUSTRI. DE HONTORIA, 40195 SEGOVIA | 0034/921.427.546 | 0034/921.436.270 |
| CRC Industries Sweden | Kryptongatan 14, 431 53 Mölndal | 0046/31 706 84 80 | 0046/31 27 39 91 |

1.4. Emergency telephone number

CRC Industries Europe, Belgium: Tel.: +32(0)52/45.60.11 (office hours)

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.



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Environment: Hazardous to the aquatic environment, chronic category 3
 Harmful to aquatic life with long lasting effects.

Other hazards : None

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

Health: Not classified

Physical: Not classified

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

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.
 H412 : Harmful to aquatic life with long lasting effects.

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.
 P280-2 : Wear 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: None

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 |
|----------------------|------------|-----------|-------|--------|------------|-------|
| dinitrogen oxide | 10024-97-2 | 233-032-0 | 1-5 | - | - | B |



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| | | | | | | |
|---|------------|-----------|------|------|----------------|---|
| 2-aminoethanol ethanolamine | 141-43-5 | 205-483-3 | <1 | C | 20/21/22-34 | A |
| Amines, C12-18-alkyldimethyl, N-oxides | 68955-55-5 | 273-281-2 | <1 | Xi,N | 38-41-50 | |
| (Z)-N-methyl-N-(1-oxo-9-octadecenyl)glycine | 110-25-8 | 203-749-3 | <2.5 | Xn,N | 20-38-41-50/53 | |

Explanation notes

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 | <1 | Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B | H332,H312,H302,H314 | A |
| (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 | |

Explanation notes

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**

| | |
|----------------------------|---|
| 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 : | Take off contaminated clothing and wash before reuse. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. |
| Inhalation : | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. |
| Ingestion : | If swallowed accidentally, do not induce vomiting and seek medical advice. |

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

| | |
|-----------------------|---|
| Inhalation : | Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness |
| Ingestion : | May cause gastrointestinal disturbances Symptoms : sore throat, abdominal pain, nausea, vomiting |
| 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

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.



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Do not breathe aerosols or vapours.
 Ensure adequate ventilation
 Avoid contact with skin and eyes.
 Wash thoroughly after use
 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 | |
|---|------------|--------|---------|
| EU established exposure limits: | | | |
| 2-aminoethanol ethanolamine | 141-43-5 | TWA | 1 ppm |
| | | STEL | 3 ppm |
| National established exposure limits, United Kingdom | | | |
| 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
 Take precautionary measures against static discharges

Personal protection : Take precautions to avoid contact with skin and eyes when handling the product.
 Ensure adequate ventilation

inhalation : In case of insufficient ventilation, wear suitable respiratory equipment.
 Air purifying respirator equipped with organic gas/vapor cartridge (type A or AX)

hands and skin : Wear suitable protective gloves against chemicals (neoprene)

eyes : Wear safety goggles.

Environmental protection: Avoid release to the environment.
 Collect spillage.

Consumer exposure Do not eat, drink or smoke when using this product.



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protection:

Use only outdoors or in a well-ventilated area.
IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

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

(for aerosols data for the product without propellant)

Apperance : physical state : N2O propelled liquid.
colour : Colorless.
odour : Odorless.
pH : 7.46
Boiling point/range : 100 °C
Flash point : None
Evaporation rate : Not applicable.
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
Viscosity : Not available.

9.2. Other information

VOC: 0 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

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Strong oxidising agent

10.6. Hazardous decomposition products

CO,CO2

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Inhalation : Inhalation of solvent vapours may give rise to nausea, headaches and dizziness
Ingestion : May cause gastrointestinal disturbances
Skin contact : May cause irritation.
Eye contact : Irritating to eyes

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

Hazardous to the aquatic environment, chronic category 3
Harmful to aquatic life with long lasting effects.

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: 50

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/ICAO - PAX: 203
IATA/ICAO - 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.
Regulation (EC) No 1907/2006 (REACH)
EU-directive 99/45/EC
Regulation (EC) No 1272/2008 (CLP)

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

*Explanation risk-phrases: R20: Harmful by inhalation.
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.
H315 : Causes skin irritation.
H318 : Causes serious eye damage.
H332 : Harmful if inhaled.
H400 : Very toxic to aquatic life.

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. Apart from any fair dealing for purposes of study, research and review of health, safety and environmental risks, no part of these documents may be reproduced by any process without written permission from CRC.



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