

## Safety Data Sheet

Regulation EC No 1907/2006 Art.31

Productname : ECO Leak Finder  
 Ref.Nr.: BDS001308\_3\_20130306

Creationdate : 06.03.13 Version : 1.1  
 Replaces: BDS001308\_20120418

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

ECO Leak Finder  
 (FOOD PROCESSING SAFE®)  
 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**

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 Touwslagerstraat 1  
 9240 Zele  
 Belgium  
 Tel.: +32(0)52/45.60.11  
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Supplied by:  
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CRC Industries Finland Oy	Asemanrinne 13, 08500 Lohja	+358/(19)32.921	+358/(19)383.676
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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 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



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the aquatic environment.

## 2.2. Label elements

**Risk-phrase(s) :** R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety-phrase(s) :** 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.  
 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

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	<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	
potassium hydroxide; caustic potash	1310-58-3	215-181-3	<0.1	C	22-35	B

## 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
potassium hydroxide; caustic potash		1310-58-3	215-181-3	<0.1	Acute Tox. 4, Skin Corr. 1A	H302,H314	B

## Explanation notes

A : substance with Community workplace exposure limit

B : substance with national established workplace exposure limit

(\* Explanation phrases : see chapter 16)



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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Contact with eyes :	If substance has got into eyes, immediately wash out with plenty of water
Contact with skin :	Wash with water and soap.
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 :	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 :	Repeated exposure may cause skin dryness or cracking.
Eye contact :	May cause irritation. Symptoms : redness and pain

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

General Advice :	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



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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

**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
EU established exposure limits:		



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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

<b>Control procedures :</b>	Ensure adequate ventilation Keep away from heat and sources of ignition
<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 against chemicals (neoprene)
<b>eyes :</b>	Wear safety goggles.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

(for aerosols data for the product without propellant)

<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/cm <sup>3</sup> (@ 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

**VOC:** 0 g/l

## SECTION 10: Stability and reactivity

## 10.1. Reactivity



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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  
 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**

**Inhalation :** No adverse health effects expected  
**Ingestion :** Ingestion is unlikely to occur  
**Skin contact :** Repeated exposure may cause skin dryness or cracking.  
**Eye contact :** May cause 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
potassium hydroxide; caustic potash	1310-58-3	LD50 oral rat	333 mg/kg

**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:**

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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
potassium hydroxide; caustic potash	1310-58-3	LC50 fish	80 mg/l

**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**

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



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**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**

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. 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: R20: Harmful by inhalation.  
R22: Harmful if swallowed.  
R34: Causes burns.



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R35: Causes severe 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. 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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