

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.06.2020

Revision: 25.06.2020

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

- **1.1 Product identifier**
- **Trade name:** beko Lecksuchspray (Leak Detector Spray)
- **UFI:** GDSV-70T1-J005-JAF7
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Leak Detection Agent
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
beko GmbH
Rappenfeldstr. 5
DE-86653 Monheim
Tel.: +49 (0)9091-90898-0
- **Further information obtainable from:**
Produktberatung
Tel.: +49 (0)9091-90898-0
e-mail: info@beko-group.com
- **1.4 Emergency telephone number:** Poison Control Center Mainz - 24 hour – phone: +49 (0) 6131/19240

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Aerosol 3 H229 Pressurised container: May burst if heated.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms** Void
- **Signal word** Warning
- **Hazard statements**
H229 Pressurised container: May burst if heated.
- **Precautionary statements**
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.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Active substance with propellant

- **Dangerous components:**

CAS: 10024-97-2 EINECS: 233-032-0 Reg.nr.: 01-2119970538-25	dinitrogen oxide ☠ Ox. Gas 1, H270; ⚠ Press. Gas (Liq.), H280; ⚠ STOT SE 3, H336	≤2.5%
CAS: 137-16-6 EINECS: 205-281-5 Reg.nr.: 01-2119527780-39	Sodium N-lauroylsarcosinate ☠ Acute Tox. 2, H330; ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315	<1%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

GB

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.06.2020

Revision: 25.06.2020

Trade name: beko Lecksuchspray (Leak Detector Spray)

(Contd. of page 1)

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:**
Take affected persons out into the fresh air.
Do not leave affected persons unattended.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
Product is not flammable
Use fire extinguishing methods suitable to surrounding conditions.
Product is non-flammable
- **5.2 Special hazards arising from the substance or mixture**
Fluorinated pyrolysis products
Risk of bursting in case of fire heat
- **5.3 Advice for firefighters**
- **Protective equipment:**
Do not inhale explosion gases or combustion gases.
Wear fully protective suit.
- **Additional information** Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** No special measures required.
- **6.3 Methods and material for containment and cleaning up:**
Warm water
Ensure adequate ventilation.
- **6.4 Reference to other sections**
No dangerous substances are released.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

* SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Avoid inhalation and contact with the skin and the eyes.
- **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Observe official regulations on storing packagings with pressurised containers.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from oxidising agents.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.06.2020

Revision: 25.06.2020

Trade name: beko Lecksuchspray (Leak Detector Spray)

(Contd. of page 2)

- **Further information about storage conditions:**
Protect from frost.
Keep container tightly sealed.
- **Recommended storage temperature:** 15 - 35°C, max. 50°C
- **Storage class:** German storage class: 2B (Aerosols)
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

· 8.1 Control parameters

- **Ingredients with limit values that require monitoring at the workplace:**

10024-97-2 dinitrogen oxide

WEL (Great Britain) Long-term value: 183 mg/m³, 100 ppm

- **Additional information:** The lists valid during the making were used as basis.

· 8.2 Exposure controls

- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not required.
- **Protection of hands:**
- **Material of gloves** If contamination is possible, use gloves made of nitrile according EN 374
- **Penetration time of glove material**
> 480 min / 0,4 mm thickness
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses in case of spittings

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

· Form:	Aerosol
· Colour:	Colourless
· Odour:	Characteristic
· Odour threshold:	Not determined.

· **pH-value at 20 °C:** 7 - <8

· Change in condition

· Melting point/freezing point:	0 °C
· Initial boiling point and boiling range:	100 °C

· **Flash point:** Not applicable, as aerosol.

· **Flammability (solid, gas):** Not applicable.

· **Decomposition temperature:** Not determined.

· **Auto-ignition temperature:** Product is not selfigniting.

· **Explosive properties:** Risk of bursting at temperatures > 50°C.
Risk of bursting at temperatures > 50°C. Damage of the container may lead to the formation of explosive mixtures of gas/vapors with air.

· Explosion limits:

· **Lower:** Not determined.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 25.06.2020

Revision: 25.06.2020

Trade name: beko Lecksuchspray (Leak Detector Spray)

(Contd. of page 3)

Upper:	Not determined.
· Vapour pressure:	Not determined.
· Pressure (20°C) at 20 °C	ca. 6 bar
· Density at 20 °C:	ca. 1.015 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic at 20 °C:	0.952 mPas
Kinematic:	Not determined.
· Solvent content:	
Water:	98.2 %
· 9.2 Other information	No further relevant information available.
· Additional information	Does not support burning.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** Risk of bursting at temperatures >50°C.
- **10.3 Possibility of hazardous reactions**
By use or incidental release the formation of explosive vapor/air mixtures is possible.
- **10.4 Conditions to avoid**
Temperatures >50°C
Avoid the use in the near of ignition sources.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Danger of toxic fluorine based pyrolysis products.
- **Additional information:** Stable for a storage time of min. 24 months

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

10024-97-2 dinitrogen oxide

Inhalative	LC50/4 h	1.06 mg/l (rat)
------------	----------	-----------------

137-16-6 Sodium N-lauroylsarcosinate

Inhalative	LC50/4 h	0.5 mg/l (rat) (in Form atembarer Stäube)
------------	----------	---

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** low
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.

(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 25.06.2020

Revision: 25.06.2020

Trade name: beko Lecksuchspray (Leak Detector Spray)

(Contd. of page 4)

· **Aspiration hazard** Based on available data, the classification criteria are not met.**SECTION 12: Ecological information**· **12.1 Toxicity**· **Aquatic toxicity:****137-16-6 Sodium N-lauroylsarcosinate**

EC 50 / 48h 29.7 mg / l (Was)

LC 50 / 96 h 107 mg / l (Zebrabärbling / Brachydanio rerio)

· **12.2 Persistence and degradability** No further relevant information available.· **12.3 Bioaccumulative potential** No further relevant information available.· **12.4 Mobility in soil** No further relevant information available.· **Additional ecological information:**· **General notes:** Not hazardous for water.· **12.5 Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.· **12.6 Other adverse effects** No further relevant information available.**SECTION 13: Disposal considerations**· **13.1 Waste treatment methods**· **Recommendation**

empty cans: material recycling

filled cans: remove in accordance with local regulations

Hand over to hazardous waste disposers.

· **European waste catalogue**

16 00 00 WASTES NOT OTHERWISE SPECIFIED IN THE LIST

16 05 00 gases in pressure containers and discarded chemicals

16 05 04* gases in pressure containers (including halons) containing hazardous substances

· **Uncleaned packaging:**· **Recommendation:** Disposal must be made according to official regulations.**SECTION 14: Transport information**· **14.1 UN-Number**· **ADR, IMDG, IATA**

UN1950

· **14.2 UN proper shipping name**· **ADR**

1950 AEROSOLS

· **IMDG**

AEROSOLS

· **IATA**

AEROSOLS, non-flammable

· **14.3 Transport hazard class(es)**· **ADR**· **Class**

2 5A Gases.

(Contd. on page 6)


Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 25.06.2020

Revision: 25.06.2020

Trade name: beko Lecksuchspray (Leak Detector Spray)

(Contd. of page 5)

· Label	2.2
· IMDG, IATA	
	
· Class	2.2
· Label	2.2
· 14.4 Packing group · ADR, IMDG, IATA	Void
· 14.5 Environmental hazards: · Marine pollutant:	No
· 14.6 Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Code	Warning: Gases. - F-D,S-U SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
· Segregation Code	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR · Limited quantities (LQ) · Excepted quantities (EQ)	1L Code: E0 Not permitted as Excepted Quantity
· Transport category · Tunnel restriction code · Remarks:	3 E Transportation as "LIMITED QUANTITIES" according 3.4 ADR is possible. Sole marking: Sign for "Limited Quantities" (rhombus with two black edges) Entry in the transportation document: Transportation according chapter 3.4 ADR Tunnel category "E" in case of a load of 8000 kg (rgross weight) or more. Hazardous goods under the transport regulations listed above may be subject to special regulations. For details please consult the relevant transport regulations
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	1L Code: E0 Not permitted as Excepted Quantity

(Contd. on page 7)

GB

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 25.06.2020

Revision: 25.06.2020

Trade name: beko Lecksuchspray (Leak Detector Spray)

(Contd. of page 6)

· UN "Model Regulation": UN 1950 AEROSOLS, 2.2

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **National regulations:**
- **Information about limitation of use:**
Employment restrictions concerning juveniles must be observed.
Employment restrictions concerning pregnant and lactating women must be observed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
H270 May cause or intensify fire; oxidiser.
H280 Contains gas under pressure; may explode if heated.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H330 Fatal if inhaled.
H336 May cause drowsiness or dizziness.
- **Abbreviations and acronyms:**
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Aerosol 3: Aerosols – Category 3
Ox. Gas 1: Oxidizing gases – Category 1
Press. Gas (Liq.): Gases under pressure – Liquefied gas
Acute Tox. 2: Acute toxicity - inhalation – Category 2
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- *** Data compared to the previous version altered.**

GB