



# Gotec Leak Detection Spray (LDS)

## Material Safety Data Sheet (MSDS)

(according to Regulation (EC) No. 453/2010)

Page 1 of 8

Revision date:  
09.07.2015

Revision: 1.2

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Gotec Leak Detection Spray (Gotec LDS 400ml)  
Product code : Gotec LDS (Bar Code 4 013245 010273)  
Type of product : Technical product  
Vaporizer : Aerosol  
Product group : Trade product

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

##### 1.2.1. Relevant identified uses

Main use category : Consumer use  
Industrial/Professional use : Industrial

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

Gotec Trading Limited  
Boulton Road  
HERTS SG1 4QL Stevenage - United Kingdom  
T +44 (0)1438 740 400 - F +44 (0)1438 740 005  
[enquiries@gotectrading.com](mailto:enquiries@gotectrading.com)

##### Importer

Gotec Trading Limited  
Boulton Road  
HERTS SG1 4QL Stevenage - United Kingdom  
T +44 (0)1438 740 400 - F +44 (0)1438 740 005  
[enquiries@gotectrading.com](mailto:enquiries@gotectrading.com)

#### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
UK	Gotec Trading Limited	As above	+44 (0)1438 740 400

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aerosol 3 H229

Full text of H-phrases: see section 16

##### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP) : Warning  
Hazard statements (CLP) : H229 - Pressurised container: May burst if heated.  
Precautionary statements (CLP) : 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  
EUH phrases : EUH208 - Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1), reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)(CAS No.55965-84-9). May produce an allergic reaction

#### 2.3. Other hazards

No additional information available



# Gotec Leak Detection Spray (LDS)

## Material Safety Data Sheet (MSDS)

(according to Regulation (EC) No. 453/2010)

Page 2 of 8

Revision date:  
09.07.2015

Revision: 1.2

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Nitrous oxide	(CAS No) 10024-97-2 (EC no) 233-032-0	1 - 5	O; R8
Dihydroxyethylcocoalkylamineoxide	(CAS No) 61791-47-7 (EC no) 263-180-1	0.1 - 1	Xi; R41 Xi; R38

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Nitrous oxide	(CAS No) 10024-97-2 (EC no) 233-032-0	1 - 5	Ox. Gas 1, H270 Compressed gas, H280
Dihydroxyethylcocoalkylamineoxide	(CAS No) 61791-47-7 (EC no) 263-180-1	0.1 - 1	Skin Corr. 1C, H314 Aquatic Acute 1, H400

Full text of R- and H-phrases: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Cough. Allow victim to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Wash with plenty of soap and water. Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Direct contact with the eyes is likely to be irritating. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/injuries after inhalation	: Shortness of breath.
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: Not flammable. Not self-igniting.
Explosion hazard	: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
Hazardous decomposition products in case of fire	: Carbon dioxide. Carbon monoxide. Fumes.

#### 5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. DO NOT fight fire when fire reaches explosives. Evacuate area.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: No naked lights. No smoking. Isolate from fire, if possible, without unnecessary risk. Remove ignition sources. Use special care to avoid static electric charges.
------------------	--

##### 6.1.1. For non-emergency personnel

Emergency procedures	: Evacuate unnecessary personnel.
----------------------	-----------------------------------



# Gotec Leak Detection Spray (LDS) Material Safety Data Sheet (MSDS)

(according to Regulation (EC) No. 453/2010)

Page 3 of 8

Revision date:  
09.07.2015

Revision: 1.2

## 6.1.2. For emergency responders

Protective equipment : Equip clean-up crew with proper protection.  
Emergency procedures : Ventilate area.

## 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

## 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Do not pierce or burn, even after use.  
Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Do not spray on an open flame or other ignition source.  
Hygiene measures : Wash immediately with plenty of soap and water thoroughly after handling.

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

Technical measures : Comply with applicable regulations.  
Storage conditions : Keep container closed when not in use. Do not expose to temperatures exceeding 50 °C/122 °F.  
Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.  
Storage area : Store away from heat.

### 7.3. Specific end use(s)

Have the product container or label available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.  
Hand protection : Wear protective gloves  
Eye protection : Chemical goggles or safety glasses  
Skin and body protection : Wear suitable protective clothing  
Respiratory protection : Wear appropriate mask  
Other information : Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

Physical state : Liquid  
Appearance : Colourless to pale yellow.  
Colour : Colourless.  
Odour : Faint characteristic.  
Odour threshold : No data available  
pH : 7 - 8  
Relative evaporation rate (butylacetate=1) : No data available  
Melting point : No data available  
Freezing point : No data available (storage/use >0 °C)  
Boiling point : No data available  
Flash point : > 100 °C  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Flammability (solid, gas) : No data available  
Vapour pressure : No data available  
Relative vapour density at 20 °C : No data available



# Gotec Leak Detection Spray (LDS) Material Safety Data Sheet (MSDS)

(according to Regulation (EC) No. 453/2010)

Page 4 of 8

Revision date:  
09.07.2015

Revision: 1.2

Relative density	: 0.99g/l
Solubility	: Miscible with water.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

## 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable under normal conditions. Contains gas under pressure; may explode if heated. Extreme risk of explosion by shock, friction, fire or other sources of ignition. Heat may build pressure, rupturing closed containers, spreading fire and increasing of burns and injuries.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Heat. Sparks. Open flame. Overheating.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Fumes. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified pH: 7 - 8
Serious eye damage/irritation	: Not classified pH: 7 - 8
Respiratory or skin sensitisation	: Not classified Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated exposure)	: Not classified Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met

#### Gotec LDS

Vaporizer	Aerosol
-----------	---------

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1. Toxicity

No additional information available



# Gotec Leak Detection Spray (LDS) Material Safety Data Sheet (MSDS)

(according to Regulation (EC) No. 453/2010)

Page 5 of 8

Revision date:  
09.07.2015

Revision: 1.2

## 12.2. Persistence and degradability

### Gotec LDS

Persistence and degradability : Not established.

## 12.3. Bioaccumulative potential

### Gotec LDS

Bioaccumulative potential : Not established.

## 12.4. Mobility in soil

No additional information available

## 12.5. Results of PBT and vPvB assessment

No additional information available

## 12.6. Other adverse effects

Additional information : Avoid release to the environment

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Container under pressure. Do not drill or burn even after use.

Additional information : Contains gas under pressure; may explode if heated.

Ecology - waste materials : Avoid release to the environment.

European List of Waste (LoW) code : 15 01 10\* - packaging containing residues of or contaminated by dangerous substances

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN  
Customs Tariff No.: 3402.19.000 "Organic Surface Preparation"

### 14.1. UN number

UN-No. (ADR) : 1950

UN-No. (IMDG) : 1950

UN-No.(IATA) : 1950

UN-No.(ADN) : 1950

UN-No. (RID) : 1950

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : AEROSOL

Proper Shipping Name (IMDG) : AEROSOL

Proper Shipping Name (IATA) : Aerosol, non-flammable

Proper Shipping Name (ADN) : AEROSOL

Proper Shipping Name (RID) : AEROSOL

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : 2.2

Danger labels (ADR) : 2.2



#### IMDG

Transport hazard class(es) (IMDG) : 2.2

Danger labels (IMDG) : 2.2





# Gotec Leak Detection Spray (LDS) Material Safety Data Sheet (MSDS)

(according to Regulation (EC) No. 453/2010)

Page 6 of 8

Revision date:  
09.07.2015

Revision: 1.2

## IATA

Transport hazard class(es) (IATA) : 2.2  
Hazard labels (IATA) : 2.2



## ADN

Transport hazard class(es) (ADN) : 2.2  
Danger labels (ADN) : 2.2



## RID

Transport hazard class(es) (RID) : 2.2  
Danger labels (RID) : 2.2



### 14.4. Packing group

Packing group (ADR) : Not applicable  
Packing group (IMDG) : Not applicable  
Packing group (IATA) : Not applicable  
Packing group (ADN) : Not applicable  
Packing group (RID) : Not applicable

### 14.5. Environmental hazards

Dangerous for the environment : No  
Marine pollutant : No  
Other information : No supplementary information available

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

Classification code (ADR) : 5A  
Special provisions (ADR) : 190, 327, 344, 625  
Limited quantities (ADR) : 1L  
Excepted quantities (ADR) : E0  
Packing instructions (ADR) : P207, LP02  
Special packing provisions (ADR) : PP87, RR6, L2  
Mixed packing provisions (ADR) : MP9  
Transport category (ADR) : 3  
Special provisions for carriage - Packages (ADR) : V14  
Special provisions for carriage - Loading, unloading and handling (ADR) : CV9, CV12  
Tunnel restriction code (ADR) : E

#### 14.6.2. Transport by sea

Special provisions (IMDG) : 63, 190, 277, 327, 344, 959



# Gotec Leak Detection Spray (LDS) Material Safety Data Sheet (MSDS)

(according to Regulation (EC) No. 453/2010)

Page 7 of 8

Revision date:  
09.07.2015

Revision: 1.2

Limited quantities (IMDG) : SP277  
Excepted quantities (IMDG) : E0  
Packing instructions (IMDG) : P207, LP02  
Special packing provisions (IMDG) : PP87, L2  
EmS-No. (Fire) : F-D  
EmS-No. (Spillage) : S-U  
Stowage category (IMDG) : None  
MFAG-No : 126

#### 14.6.3. Air transport

PCA Excepted quantities (IATA) : E0  
PCA Limited quantities (IATA) : Y203  
PCA limited quantity max net quantity (IATA) : 30kgG  
PCA packing instructions (IATA) : 203  
PCA max net quantity (IATA) : 75kg  
CAO packing instructions (IATA) : 203  
CAO max net quantity (IATA) : 150kg  
Special provisions (IATA) : A985, A14, A167  
ERG code (IATA) : 2L

#### 14.6.4. Inland waterway transport

Classification code (ADN) : 5A  
Special provisions (ADN) : 19, 327, 344, 625  
Limited quantities (ADN) : 1 L  
Excepted quantities (ADN) : E0  
Equipment required (ADN) : PP  
Ventilation (ADN) : VE04  
Number of blue cones/lights (ADN) : 0  
Carriage prohibited (ADN) : No  
Not subject to ADN : No

#### 14.6.5. Rail transport

Classification code (RID) : 5A  
Special provisions (RID) : 190, 327, 344, 625  
Limited quantities (RID) : 1L  
Excepted quantities (RID) : E0  
Packing instructions (RID) : P207, LP02  
Special packing provisions (RID) : PP87, RR6, L2  
Mixed packing provisions (RID) : MP9  
Transport category (RID) : 3  
Special provisions for carriage – Packages (RID) : W14  
Special provisions for carriage - Loading, unloading and handling (RID) : CW9, CW12  
Colis express (express parcels) (RID) : CE2  
Hazard identification number (RID) : 20  
Carriage prohibited (RID) : No

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions  
Gotec LDS is not on the REACH Candidate List  
Contains no substance on the REACH candidate list  
Contains no REACH Annex XIV substances  
Contains <5% Nonionic Surfactants



# Gotec Leak Detection Spray (LDS) Material Safety Data Sheet (MSDS)

(according to Regulation (EC) No. 453/2010)

Page 8 of 8

Revision date:  
09.07.2015

Revision: 1.2

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of R-, H- and EUH-phrases:

Aerosol 3	Aerosol, Category 3
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Compressed gas	Gases under pressure : Compressed gas
Ox. Gas 1	Oxidising Gases, Category 1
Skin Corr. 1C	Skin corrosion/irritation, Category 1C
H229	Pressurised container: May burst if heated.
H270	May cause or intensify fire; oxidizer
H280	Contains gas under pressure; may explode if heated
H314	Causes severe skin burns and eye damage
H400	Very toxic to aquatic life
R38	Irritating to skin
R41	Risk of serious damage to eyes
R8	Contact with combustible material may cause fire
O	Oxidising
Xi	Irritant

Content and format of this Material Safety Data Sheet (MSDS) are in accordance with Regulation EC No.453/2010

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

The information provided in this Material Safety Data sheet is correct to the best of our knowledge at the date of its publication. The correctness of the information in printed or implied form is not guaranteed. The information given is designed only as a guidance for the safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification.

The conditions or methods of the handling, use, storage, transportation and disposal of the product lie outside of our control and we therefore expressly reject any liability for loss, damage or expenses, howsoever caused, which could develop from the handling, use, storage, transportation or disposal of the product.

The information relates only to the specific product designated and may not be valid when the product is used in combination with any other materials or process.

End of Safety Data Sheet.