

Date of issue: 12.3.2012	Trade name:	Page: 1/5
Reviewed on:	LEAK FINDER	Version: 1.0

1. Section 1: Identification of the substance/mixture and of the company/undertaking:

- 1.1. Product identifier : **LEAK FINDER 1 35039**
- 1.2. Relevant identified uses of the substance Search leakage and leakage of gases and air. or mixture and uses advised against:
- 1.3. Details of the supplier of the safety data sheet
Identification of manufacturer/Supplier:
RETECH, s.r.o.
Vackova 1541/4
150 00 Praha-5 Stodůlky
Telephone/Fax: +420 327 596 128, +420 327 596 428
Information: info@retech.cz
- 1.4. Emergency telephone number:
RETECH Suchdol 212, Suchdol u Kutné Hory
Tel.+420 327 596 128 (7.30-16.00 hour)
Toxicology information number, Na bojišti 1, 128 08 PRAHA 2
Tel. +420 224 919 293, +420 224 915 402 (24 hours a day)

2. Section 2: Hazard identification:

- The product is labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
The classification is in line with current EC lists, It is expanded, however, by information from technical literature and by information furnished by supplier companies.
- 2.1. Classification of the substance or mixture:
Classification according to Regulation (EC) No 1272/2008:
The product is not classified according to the CLP regulation.
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC:
The product is not classified according to Directive 1999/45/EC.
- 2.2. Label elements:
Labelling according to Regulation (EC) No 1272/2008:
No labelling.
- Labelling according to Directive 1999/45/EC:
Safety phrases:
S 2 Keep out of reach of children.
S 56 Dispose of this material and its container at hazardous or special waste collection point.
- Special labeling of certain preparations:
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
Safety data sheet available for professional user on request.
- 2.3. Other hazards:
Results of PBT and vPvB assessment:
PBT: Not applicable
vPvB: Not applicable

3. Section 3: Composition/information on ingredients:

- 3.2. Mixtures:
Description: The active ingredient in propellants. Propellant compressed air.

Components:

CAS: 124-38-9	Carbon dioxide	2.5%
EINECS: 204-696-9	GHS04 Press gas, H280	

Additional information: For the wording of the listed risk phrases refer to section 16.

Date of issue: 12.3.2012	Trade name:	Page: 2/5
Reviewed on:	LEAK FINDER	Version: 1.0

4. Section 4: First aid measures:

4.1. Description of first aid measures:

- After inhalation: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.
- After skin contact: Instantly remove any clothing soiled by the product, immediately wash with water and soap and rinse thoroughly. Get medical attention if irritation persists after washing.
- After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- After swallowing: Do not induce vomiting, rinse out mouth and then drink plenty of water. Seek for medical advice immediately.

Most important symptoms and effects, both acute and delayed: No further relevant information available.

Indication of any immediate medical attention and special treatment needed: No further relevant information available.

5. Section 5: Fire fighting measures:

5.1. Extinguishing media:

Suitable extinguishing agents: Carbon dioxide (CO₂), fire-extinguishing powder, water haze or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet.

5.2. Special hazards arising from the substance or mixture:

No further relevant information available.

- 5.3. Advice for firefighters: Wear protective equipment/clothing when fighting fires. Pressurized container may explode when overheated. Cool the container with water.

6. Section 6: Accidental release measures:

6.1. Personal precautions, protective equipment and emergency procedures:

Wear protective equipment see Section 8. Keep unprotected persons away. Ensure adequate ventilation.

6.2. Environmental precautions:

Do not allow the product or large quantities of it to reach ground water, water bodies or sewage system.

6.3. Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Collect mechanically.

Dispose of contaminated material as waste according to Section 13.

6.4. Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. Section 7: Handling and storage:

7.1. Information for safe handling:

Ensure good ventilation/exhaustion at the workplace. Avoid contact with eyes and skin.

Information about protection against explosions and fires: Pressurized container: protect from sunlight and do not expose and temperatures over 50°C. Do not pierce or burn, even after use.

7.2. Conditions for safe handling, including any incompatibilities:

Requirements to be met by storerooms and containers: Observe official regulations on storing packaging with pressurized containers. Do not store near heat sources or expose to high temperatures. Store in cool location.

Information about storage in one common storage facility: Not required

Further information about storage conditions: Protect from heat and direct sunlight.

7.3. Specific end use(s): No further relevant information available.

Date of issue: 12.3.2012	Trade name:	Page: 3/5
Reviewed on:	LEAK FINDER	Version: 1.0

8. Section 8: Exposure controls and personal protection:

- 8.1. Control parameters:
Components with limit values that require monitoring at the workplace:
124-38-9 Carbon dioxide:
WEL Long-term value: 9000mg/m³, 5000ppm
Additional information:
The lists that were valid during the compilation were used as basis.
- 8.2. Exposure controls:
- | | |
|----------------------|--|
| Breathing equipment: | Not required, but ensure adequate ventilation when using the product. |
| Eye protection: | Safety glasses. |
| Protection of hands: | Protective gloves.
Selection of glove material on consideration of the penetration times, rates of diffusion and the degradation.
Material of gloves: Butyl rubber, BR
Recommended thickness of the material 0.5mm.
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed 240min. |
| Protection of skin: | Protective clothing. |
- 8.3 General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes and skin.

9. Section 9: Physical and chemical properties:

- 9.1. Information on basic physical and chemical properties:
- | | |
|---|---|
| Appearance: | |
| form: | Aerosol |
| colour: | Colourless |
| Odour threshold: | Charakteristic |
| Value pH: | Not determined |
| Melting point/freezing point: | Not determined |
| Melting point/freezing point: | Not determined |
| Initial boiling point/boiling range: | Not determined |
| Flash point: | Not applicable, as aerosol |
| Evaporation rate: | Not determined |
| Flammability (solid,gas): | Not applicable |
| Explosive properties: | Product does not present an explosion hazard. |
| Upper/lower flammability or explosive limits: | |
| Explosion limits: lower (% Vol): | Not available |
| upper (% Vol): | Not available |
| Vapour pressure (at 20°C): | Not determined |
| Vapour density (at 20 °C): | Not determined |
| Relative density: | 1.1 g/cm ³ |
| Solubility in/miscibility with
- water | Fully miscible |
| Partition coefficient (n-octanol/water): | Not determined |
| Auto-ignition temperature: | Not determined |
| Decomposition temperature: | Not determined |
| Viscosity: | Not determined |
| Oxidative properties: | Not determined |
- 9.2. Other information:
Organic solvents: 0.0%

10. Section 10: Stability and reactivity:

- 10.1. Reactivity: No further relevant information available.
10.2. Chemical stability: No further relevant information available.

Date of issue: 12.3.2012	Trade name:	Page: 4/5
Reviewed on:	LEAK FINDER	Version: 1.0

- 10.3. Possibility of hazardous reactions: No dangerous reactions known.
 10.4. Conditions to avoid: There are known no conditions to avoid.
 10.5. Incompatible materials: There are known no incompatible materials.
 10.6. Hazardous products of decomposition: Carbon monoxide and carbon dioxide.

11. Section 11: Toxicological information:

11.1 Information on toxicological effects:

- Irritation: on the skin: No irritant effect
 on the eye: No irritating effect
 Corrosivity: Not corrosive.
 Sensitization: No sensitizing effect known.
 Repeated dose toxicity: No further relevant information available.
 Carcinogenicity: No further relevant information available.
 Mutagenicity: No further relevant information available.
 Toxicity for reproduction: No further relevant information available.
 Other information: When used and handled according to specifications, product does not have any harmful effects according to our experience and information provided to us. Vapours have narcotic effect.

12. Section 12: Ecological information:

Water hazard class 1(German Regulation) (Self-assessment): slightly hazardous for water.
 Do not allow the product or large quantities of it to reach ground water, water bodies or sewage system.

- 12.1. Toxicity: No further relevant information available.
 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.
 12.5. Results of PBT and vPvB assessment:
 PBT: Not applicable
 vPvB: Not applicable
 12.6. Other adverse effects: No further relevant information available.

13. Section 13: Disposal considerations:

13.1. Waste treatment methods:

- Product: Smaller quantities can be disposed of with household. Dispose in safe manner in accordance with local/national regulation.
 Uncleaned packaging: Disposal must be made according to official regulations.
 European waste catalogue:
 16 05 04 Gases in pressure containers (including halons) containing dangerous substances.
 15 01 04 Metallic packaging.

14. Section 14: Transport information:

14.1. Land transport:

- ADR/RID-GGVS/E class: 2 5A Gases
 Danger code (Kemler): Information not available.
 Packaging group: Information not available.
 Hazard label: 2.2
 Number UN: 1950
 Limited quantities (LQ): LQ2
 Transport category: 3
 Tunnel restriction code: E
 Description of goods: Aerosols

14.2. Maritime transport:

- IMDG-class: 2.2
 Number UN: 1950
 Packaging group: Information not available.

Date of issue: 12.3.2012	Trade name:	Page: 5/5
Reviewed on:	LEAK FINDER	Version: 1.0

EMS-group: F-D,S-U
 Marine pollutant: No
 Proper shipping name: Aerosols
 14.3. Air transport:
 ICAO / IATA -class: 2.2
 UN/ID number: 1950
 Packaging group: Information not available.
 Proper shipping name: Aerosols, non-flammable
 UN "Model Regulation": UN1950; AEROSOLS; 2.2
 Special precautions for users - Waring: Gases
 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

15. Section 15: Regulatory information:

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

Used legislation:

European Regulation (EC) No 1907/2006 – REACH.
 Commission Regulation (EU) No 453/2010.
 European Regulation No 67/548EEC and 1999/45/EC.
 Commission Regulation (EC) No 1272/2006 – CLP.
 Commission Regulation (EC) No 790/2009.
 Regulation (EC) No 648/2004 (detergents).

15.2. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. Section 16: Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relative R-phrases:

H280- Contains gas under pressure; may explode if heated.

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)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)

WEL- Workplace exposure limits

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

***Compared to the last version the data has been changed.**