

SAFETY DATA SHEET

DETECTAGAS®

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name DETECTAGAS®

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

Identified uses For testing Carbon Monoxide detecting Fire Alarms

1.3 Details of the supplier of the safety data sheet

Manufacturer Gas Safe Europe Ltd
E35 Ashmount Enterprise Park
Aber Industrial Estate
Flint
Flintshire
CH6 5YL
0845 8734760
07912503202 emergency
enquiries@gassafeurope.com

1.4 Emergency telephone number

+44 (0) 7912503202

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (1999/45/EEC) Not classified

2.2 Label elements

Risk Phrases	NC	Not classified
Safety Phrases	A1	Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50oC. Do not pierce or burn, even after use.
	S23	Do not breathe vapour/spray.
	S51	Use only in well-ventilated areas.
	S2	Keep out of the reach of children.

2.3 Other hazards

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

CARBON MONOXIDE	0-1%	
CAS-No: 630-08-0	EC No: 211-128-3	Registration Number: 01-2119480165-39
Classification (EC 1272/2008) Flam. Gas 1 – H220 Acute Tox. 3 – H331 Repr. 1A – H360D STOT Rep. 1 – H372	Classification (67/548/EEC) F+ ;R12 Repr. Cat. 1;R61 T;R23,R48/23	

SECTION 4 : FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation

Remove victim immediately from source of exposure. Move into fresh air and keep at rest. Get medical attention. If breathing stops, provide artificial respiration.

Ingestion

Not relevant

Eye contact

Not relevant

4.2 Most important symptoms and effects, both acute and delayed

Inhalation.

High concentrations may cause asphyxiation, loss of mobility and consciousness. Victim may be unaware of asphyxiation.

4.3 Indication of any immediate medical attention and special treatment needed

Loss of mobility/consciousness. Remove victim to uncontaminated area wearing self contained breathing apparatus. Keep victim warm and rested. Call a doctor. Apply artificial respiration if breathing stopped. Administer oxygen.

SECTION 5 : FIREFIGHTING MEASURES

5.1 Extinguishing media

Extinguishing media

water spray, foam, dry powder or carbon dioxide. Cool aerosol containers exposed to heat with water spray and remove container, if no risk is involved.

5.2 Special hazards arising from the substance of mixture

Hazardous combustion products

Fire creates: Carbon dioxide (CO₂). Carbon monoxide (CO).

Unusual Fire & Explosion Hazards

Aerosol cans may explode in a fire.

5.3 Advice for firefighters

Special Fire Fighting Procedures

NOTE! Use air-supplied respirators to protect against gases/fumes.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area. Provide adequate ventilation.

6.2 Environmental precautions

6.3 Methods and material for containment and cleaning up

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Wear self contained breathing apparatus when entering the area. Ventilate area until the atmosphere is proved to be safe.

6.4 Reference to other sections

see section 11 for additional information on health hazards.

SECTION 7 : HANDLING AND STORAGE

7.1 Precautions for safe handling

Do not handle broken packages without protective equipment. Ventilate well, avoid breathing vapours Use approved respirator if air contamination is above accepted level.

7.2 Conditions for safe storage, including any incompatibilities

Store at moderate temperatures in dry, well ventilated area. Keep away from heat, sparks and open flame.

7.3 Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

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SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Name	STD	TWA – 8 Hrs		STEL – 15 Min		Notes
CARBON MONOXIDE	WEL	30ppm	35 mg/m3	200ppm	232 mg.m3	

WEL = Workplace Exposure Limit

8.2 Exposure controls

Respiratory equipment

In case of inadequate ventilation use suitable respirator.

Eye protection

Wear approved chemical safety goggles where eye exposure is reasonably probable.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	Colourless.
Odour	Odourless.
	Lighter or similar to air.

9.2 Other information

SECTION 10 : STABILITY AND REACTIVITY

10.1 Reactivity

No specific reactivity hazards associated with this product.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

Not determined.

10.4 Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5 Incompatible materials

Materials To Avoid

No Incompatible groups noted.

10.6 Hazardous decomposition products

Carbon monoxide (CO).

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity (Inhalation LC50) 1880 ppmV (gas) Rat 4 hours

Inhalation

Asphyxiation, loss of mobility/consciousness. Patient may not be aware of asphyxiation.

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity

Not regarded as dangerous for the environment.

12.1 Toxicity

Acute Toxicity – Fish

Not relevant

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12.2 Persistence and degradability

Degradability

The degradability of the product has not been stated.

12.3 Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

12.4 Mobility in soil

Mobility:

The product contains volatile substances, which may spread in the atmosphere.

12.5 Results of PBT and vPvB assessment

Not classified as PBT/vPvB by current EU criteria.

SECTION 13 : DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14 : TRANSPORT INFORMATION

14.1 UN number

UN No. (ADR/RID/AND) 1950

UN No. (IMDG) 1950

14.2 UN proper shipping name

Proper Shipping Name AEROSOLS

14.3 Transport hazard class (es)

ADR/RID/AND Class Class 2: Gases

IMDG Class 2

14.4 Packing group

ADR/RID/AND Packing group 5A

IMDG Packing group 5A

14.5 Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant
No.

14.6 Special precautions for user

Tunnel Restriction Code (E)

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

Statutory Instruments

Control of Substances Hazardous to Health.

Guidance Notes

Workplace Exposure Limits EH40.

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EU Legislation

Dangerous Preparations Directive 1999/45/EC.

15.2 Chemical Safety Assessment

SECTION 16 : OTHER INFORMATION

Date 25/03/2014

Risk Phrases in Full – Carbon Monoxide

R12 Extremely flammable.
R23 Toxic by inhalation.
R48/23 Toxic: danger of serious damage to health by prolonged exposure through inhalation.
R61 May cause harm to the unborn child.

Hazard Statements in Full – Carbon Monoxide

H372 Causes damage to organs <<Organs>> through prolonged or repeated exposure.
H220 Extremely flammable gas.
H360D May damage the unborn child.
H331 Toxic if inhaled.

Flammability

Due to the very low concentration of Carbon Monoxide contained within Detectagas® the finished product is classified as “NON FLAMMABLE”.