

# RENTOKIL CO2 CONTROLLED ATMOSPHERE

# Rentokil

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 30/07/2018

Version: 9.0

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

#### 1.1. Product identifier

Product form : Substance  
Trade name : RENTOKIL CO2 CONTROLLED ATMOSPHERE  
EC-No. : 204-696-9  
CAS-No. : 124-38-9  
Type of product : Biocide  
Registration No : UK-2016-0955 IE/BPA 70351  
Product group : Product  
REACH authorisation exemptions : Exempted from REACH registration

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

##### 1.2.1. Relevant identified uses

Main use category : Trained professional  
Industrial/Professional use spec : For professional use only  
Use of the substance/mixture : For professional use as an insecticide fumigant for the control of stored product pests, wood-destroying insects, textile pests and other arthropods.  
Use of the substance/mixture : Insecticide

##### 1.2.2. Uses advised against

No additional information available

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

For UK:

Rentokil Initial Supplies  
Liverpool  
L33 7SR  
UK

For Ireland:

Rentokil Initial,  
Hazel House,  
Millennium Park,  
Naas, Co Kildare,  
Ireland

Tel: +353 (0)45 850 799

#### 1.4. Emergency telephone number

Emergency number : +44 (0) 1342 833022

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	

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### SECTION 2: Hazards identification

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

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

Gases under pressure : Compressed gas H280

Full text of H statements : see section 16

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

No additional information available

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS04

Signal word (CLP) :

Warning

Hazard statements (CLP) :

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

Precautionary statements (CLP) :

P103 - Read label before use.  
P284 - Wear respiratory protection.  
P309+P311 - IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.  
P403 - Store in a well-ventilated place.  
P410 - Protect from sunlight.  
P501 - Dispose of contents/container to an approved waste disposal plant

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Name : RENTOKIL CO2 CONTROLLED ATMOSPHERE

CAS-No. : 124-38-9

EC-No. : 204-696-9

Name	Product identifier	%
Carbon Dioxide	(CAS-No.) 124-38-9 (EC-No.) 204-696-9	99.9

Full text of H-statements: see section 16

#### 3.2. Mixtures

Not applicable

### 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 : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : This route of exposure is not anticipated.

First-aid measures after eye contact : This route of exposure is not anticipated.

First-aid measures after ingestion : This route of exposure is not anticipated.

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

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

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Unsuitable extinguishing media : Do not use a heavy water stream.

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

Explosion hazard : Explosion risk in case of fire.

### 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 the environment.

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

None necessary.

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

Methods for cleaning up : 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

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.

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

Storage conditions : Keep container closed when not in use.

Incompatible products : Strong bases.

Incompatible materials : Sources of ignition. Direct sunlight.

Storage area : Store in a well-ventilated place.

### 7.3. Specific end use(s)

Insecticide.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

RENTOKIL CO2 CONTROLLED ATMOSPHERE (124-38-9)		
EU	Local name	Carbon dioxide
EU	IOELV TWA (mg/m <sup>3</sup> )	9000 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	5000 ppm
Ireland	Local name	Carbon dioxide
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	9000 mg/m <sup>3</sup>
Ireland	OEL (8 hours ref) (ppm)	5000 ppm
Ireland	OEL (15 min ref) (mg/m <sup>3</sup> )	27000 mg/m <sup>3</sup>
Ireland	OEL (15 min ref) (ppm)	15000 ppm
Ireland	Notes (IE)	IOELV
United Kingdom	Local name	Carbon dioxide
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	9150 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	5000 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	27400 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	15000 ppm
Carbon Dioxide (124-38-9)		
EU	Local name	Carbon dioxide
EU	IOELV TWA (mg/m <sup>3</sup> )	9000 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	5000 ppm

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Carbon Dioxide (124-38-9)		
Ireland	Local name	Carbon dioxide
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	9000 mg/m <sup>3</sup>
Ireland	OEL (8 hours ref) (ppm)	5000 ppm
Ireland	OEL (15 min ref) (mg/m <sup>3</sup> )	27000 mg/m <sup>3</sup>
Ireland	OEL (15 min ref) (ppm)	15000 ppm
Ireland	Notes (IE)	IOELV
United Kingdom	Local name	Carbon dioxide
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	9150 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	5000 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	27400 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	15000 ppm

### 8.2. Exposure controls

#### Personal protective equipment:

Avoid all unnecessary exposure.

#### Hand protection:

None necessary during normal handling and use.

#### Eye protection:

Chemical goggles or safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

#### 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	: Gas
Appearance	: Colourless gas.
Colour	: Colourless.
Odour	: Odourless.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: -78.5 °C
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: 57.3 bar
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.8 mg/cm <sup>3</sup>
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available

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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

This product is stable under normal conditions of handling and use.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

No additional information available.

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : This route of exposure is not anticipated.

Skin corrosion/irritation : Not classified

Additional information : Based on available data, the classification criteria are not met

Serious eye damage/irritation : This route of exposure is not anticipated.

Additional information : Based on available data, the classification criteria are not met

Respiratory or skin sensitisation : Not classified

Additional information : 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

Additional information : Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified

Additional information : Based on available data, the classification criteria are not met

STOT-single exposure : Not classified

Additional information : Based on available data, the classification criteria are not met

STOT-repeated exposure : Not classified

Additional information : Based on available data, the classification criteria are not met

Aspiration hazard : Not classified

Additional information : Based on available data, the classification criteria are not met

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

### 12.2. Persistence and degradability

#### RENTOKIL CO2 CONTROLLED ATMOSPHERE (124-38-9)

Persistence and degradability	Not established.
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### 12.3. Bioaccumulative potential

#### RENTOKIL CO2 CONTROLLED ATMOSPHERE (124-38-9)

Bioaccumulative potential	Not established.
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### 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

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Additional information : Empty cylinders are returned to the suppliers.

Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

### 14.1. UN number

UN-No. (ADR) : 1013

UN-No. (IMDG) : 1013

UN-No. (IATA) : 1013

UN-No. (ADN) : 1013

UN-No. (RID) : 1013

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : CARBON DIOXIDE

Proper Shipping Name (IMDG) : CARBON DIOXIDE

Proper Shipping Name (IATA) : Carbon dioxide

Proper Shipping Name (ADN) : CARBON DIOXIDE

Proper Shipping Name (RID) : CARBON DIOXIDE

Transport document description (ADR) : UN 1013 CARBON DIOXIDE, 2.2, (C/E)

Transport document description (IMDG) : UN 1013 CARBON DIOXIDE, 2.2

Transport document description (IATA) : UN 1013 Carbon dioxide, 2.2

Transport document description (ADN) : UN 1013 CARBON DIOXIDE, 2.2

Transport document description (RID) : UN 1013 CARBON DIOXIDE, 2.2

### 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



#### IATA

Transport hazard class(es) (IATA) : 2.2

Hazard labels (IATA) : 2.2

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### 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

#### - Overland transport

Classification code (ADR) : 2A

Special provisions (ADR) : 584, 653, 662

Limited quantities (ADR) : 120ml

Excepted quantities (ADR) : E1

Packing instructions (ADR) : P200

Mixed packing provisions (ADR) : MP9

Portable tank and bulk container instructions (ADR) : (M)

Tank code (ADR) : PxBN(M)

Tank special provisions (ADR) : TA4, TT9

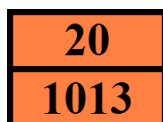
Vehicle for tank carriage : AT

Transport category (ADR) : 3

Special provisions for carriage - Loading, unloading and handling (ADR) : CV9, CV10, CV36

Hazard identification number (Kemler No.) : 20

Orange plates :



Tunnel restriction code (ADR) : C/E

EAC code : 2T

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### - Transport by sea

Limited quantities (IMDG)	: 120 ml
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P200
EmS-No. (Fire)	: F-C
EmS-No. (Spillage)	: S-V
Stowage category (IMDG)	: A
Properties and observations (IMDG)	: Liquefied, non-flammable gas.Heavier than air (1.5). Cannot remain in the liquid state above 31°C.

### - Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Forbidden
PCA limited quantity max net quantity (IATA)	: Forbidden
PCA packing instructions (IATA)	: 200
PCA max net quantity (IATA)	: 75kg
CAO packing instructions (IATA)	: 200
CAO max net quantity (IATA)	: 150kg
ERG code (IATA)	: 2L

### - Inland waterway transport

Classification code (ADN)	: 2A
Special provisions (ADN)	: 584, 653
Limited quantities (ADN)	: 120 ml
Excepted quantities (ADN)	: E1
Equipment required (ADN)	: PP
Number of blue cones/lights (ADN)	: 0

### - Rail transport

Classification code (RID)	: 2A
Special provisions (RID)	: 584, 653
Limited quantities (RID)	: 120ml
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P200
Mixed packing provisions (RID)	: MP9
Portable tank and bulk container instructions (RID)	: (M)
Tank codes for RID tanks (RID)	: PxBN(M)
Special provisions for RID tanks (RID)	: TA4, TT9, TM6
Transport category (RID)	: 3
Special provisions for carriage - Loading, unloading and handling (RID)	: CW9, CW10, CW36
Colis express (express parcels) (RID)	: CE3
Hazard identification number (RID)	: 20

### 14.7. Transport in bulk according to Annex II of Marpol 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

No REACH Annex XVII restrictions

RENTOKIL CO2 CONTROLLED ATMOSPHERE is not on the REACH Candidate List

RENTOKIL CO2 CONTROLLED ATMOSPHERE is not on the REACH Annex XIV List

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out



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### 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 H- and EUH-statements:

Press. Gas (Comp.)	Gases under pressure : Compressed gas
Press. Gas (Liq.)	Gases under pressure : Liquefied gas
H280	Contains gas under pressure; may explode if heated.

RI - SDS EU (REACH Annex II) CLP

**Before using any product, ensure that you read and understand its label.**

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