

# Rentokil

## RADAR (2.8g)

### Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations  
Reference number: 791  
Issue date: 6/6/2024 Version: 20.0

#### SECTION 1: Product identifier

##### 1.1. GHS Product identifier

Product form : Substance  
Trade name : RADAR (2.8g)

##### 1.2. Other means of identification

No additional information available

##### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : Product for professional use in the dispatch of mice via exposure to carbon dioxide. Carbon dioxide is released from a single-use gas canister into a trapping device when the device is triggered by the entry of a mouse. Carbon dioxide is a colourless, odourless gas.

Restrictions on use : For use only by trained professionals

##### 1.4. Details of manufacturer or importer

Rentokil Initial Pty Ltd (Australia)  
Unit A1 Lidcombe Business Park,  
3-29 Birnie Avenue  
Lidcombe NSW 2141  
Australia

Product advice line: 61 2 8719 6264  
Email: sds@rentokil.com

##### 1.5. Emergency phone number

Emergency number : Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand).

#### SECTION 2: Hazard identification

##### 2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Gases under pressure : Compressed gas H280

##### 2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU) :



Gas cylinder

Signal word (GHS AU) : Warning  
Hazard statements (GHS AU) : H280 - Contains gas under pressure; may explode if heated  
Precautionary statements (GHS AU) : P251 - Do not pierce or burn, even after use.  
P260 - Do not breathe gas.  
P410+P403 - Protect from sunlight. Store in a well-ventilated place.

##### 2.3. Other hazards which do not result in classification

No additional information available

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### SECTION 3: Composition and information on ingredients

| Name                                           | CAS-No.  | %   | Classification according to the model Work Health and Safety Regulations (WHS Regulations) |
|------------------------------------------------|----------|-----|--------------------------------------------------------------------------------------------|
| CARBON DIOXIDE<br>(Active substance (Biocide)) | 124-38-9 | 100 | Press. Gas (Comp.), H280                                                                   |

### SECTION 4: First aid measures

#### 4.1. Description of necessary 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. Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest. |
| 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. Symptoms caused by exposure

|                                     |                                                                                                                                         |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms/effects                    | : Not expected to present a significant hazard under anticipated conditions of normal use.                                              |
| Symptoms/effects after inhalation   | : Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard. |
| Symptoms/effects after skin contact | : None under normal conditions.                                                                                                         |
| Symptoms/effects after eye contact  | : None under normal conditions.                                                                                                         |
| Symptoms/effects after ingestion    | : None under normal conditions.                                                                                                         |

#### 4.3. Medical attention and special treatment

|                                   |                          |
|-----------------------------------|--------------------------|
| Other medical advice or treatment | : Treat symptomatically. |
|-----------------------------------|--------------------------|

### SECTION 5: Fire-fighting measures

#### 5.1. Extinguishing media

|                                |                                                                                            |
|--------------------------------|--------------------------------------------------------------------------------------------|
| Suitable extinguishing media   | : Use extinguishing media appropriate for surrounding fire. Water spray. Dry powder. Foam. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                                                         |

#### 5.2. Specific hazards arising from the chemical

No additional information available

#### 5.3. Special protective equipment and precautions for fire-fighters

|                                |                                                                                                                                                                       |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

|                      |                                      |
|----------------------|--------------------------------------|
| Protective equipment | : Wear suitable protective clothing. |
| Emergency procedures | : Evacuate unnecessary personnel.    |

##### 6.1.2. For emergency responders

|                      |                                              |
|----------------------|----------------------------------------------|
| Protective equipment | : Equip cleanup crew with proper protection. |
| Emergency procedures | : Ventilate area.                            |

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### 6.2. Environmental precautions

No additional information available

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

Methods for cleaning up : Store away from other materials.

## 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 out of reach of children. Keep only in the original container in a cool well ventilated place. Keep away from food, drink and animal feedingstuffs. Protect from heat and direct sunlight.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

Storage area : Store in a well-ventilated place.

## SECTION 8: Exposure controls and personal protection

### 8.1. Control parameters - exposure standards

#### CARBON DIOXIDE (124-38-9)

##### Australia - Occupational Exposure Limits

|                      |                                                                  |
|----------------------|------------------------------------------------------------------|
| Local name           | Carbon dioxide                                                   |
| OES TWA              | 9000 mg/m <sup>3</sup><br>22500 mg/m <sup>3</sup> in coal mines  |
|                      | 5000 ppm<br>12500 ppm in coal mines                              |
| OES STEL             | 54000 mg/m <sup>3</sup><br>54000 mg/m <sup>3</sup> in coal mines |
|                      | 30000 ppm<br>30000 ppm in coal mines                             |
| Regulatory reference | Workplace exposure standards for airborne contaminants (2024)    |

### 8.2. Biological Monitoring

No additional information available

### 8.3. Engineering controls

Appropriate engineering controls : Ensure adequate ventilation, especially in confined areas. Ensure good ventilation of the work station.

### 8.4. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : Wear protective gloves.

Eye protection : Wear eye protection. Chemical goggles or safety glasses. Safety glasses

Skin and body protection : Wear protective gloves

Respiratory protection : No respiratory protection needed under normal use conditions

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### Personal protective equipment symbol(s)



|                                 |                                          |
|---------------------------------|------------------------------------------|
| Thermal hazard protection       | : Protect from heat and direct sunlight. |
| Environmental exposure controls | : Avoid release to the environment.      |
| Other information               | : Do not eat, drink or smoke during use. |

## SECTION 9: Physical and chemical properties

|                                                 |                                          |
|-------------------------------------------------|------------------------------------------|
| Physical state                                  | : Gas                                    |
| Appearance                                      | : No data available                      |
| Colour                                          | : Colourless                             |
| Odour                                           | : characteristic                         |
| Odour threshold                                 | : No data available                      |
| pH                                              | : No data available                      |
| pH solution                                     | : No data available                      |
| Relative evaporation rate (butylacetate=1)      | : No data available                      |
| Melting point / Freezing point                  | : No data available                      |
| Boiling point                                   | : -88.1 °C                               |
| Flash point                                     | : No data available                      |
| Auto-ignition temperature                       | : No data available                      |
| Flammability                                    | : No data available                      |
| Vapour pressure                                 | : Vapour pressure: 5730 kPa              |
| Relative density                                | : Relative vapour density at 20°C: 1.519 |
| Density                                         | : Density: 1.8 mg/cm <sup>3</sup>        |
| Solubility                                      | : Water: 2 g/l                           |
| Partition coefficient n-octanol/water (Log Pow) | : No data available                      |
| Explosive properties                            | : No data available                      |
| Explosive limits                                | : No data available                      |
| Minimum ignition energy                         | : No data available                      |
| Fat solubility                                  | : No data available                      |
| Gas group                                       | : Compressed gas                         |

## SECTION 10: Stability and reactivity

|                                    |                                                                                      |
|------------------------------------|--------------------------------------------------------------------------------------|
| Reactivity                         | : The product is non-reactive under normal conditions of use, storage and transport. |
| Chemical stability                 | : The product is stable at normal handling and storage conditions.                   |
| Possibility of hazardous reactions | : No dangerous reactions known under normal conditions of use.                       |
| Conditions to avoid                | : Direct sunlight. Extremely high or low temperatures.                               |
| Incompatible materials             | : Strong acids. Strong bases.                                                        |
| Hazardous decomposition products   | : Carbon monoxide. Carbon dioxide.                                                   |

## SECTION 11: Toxicological information

|                                   |                  |
|-----------------------------------|------------------|
| Acute toxicity (oral)             | : Not classified |
| Acute toxicity (dermal)           | : Not classified |
| Acute toxicity (inhalation)       | : Not classified |
| Skin corrosion/irritation         | : Not classified |
| Serious eye damage/irritation     | : Not classified |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity            | : Not classified |
| Carcinogenicity                   | : Not classified |
| Reproductive toxicity             | : Not classified |

### CARBON DIOXIDE (124-38-9)

|                       |                |
|-----------------------|----------------|
| Reproductive toxicity | Not classified |
|-----------------------|----------------|

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|                                                     |                                                                    |
|-----------------------------------------------------|--------------------------------------------------------------------|
| STOT-single exposure                                | : Not classified                                                   |
| STOT-repeated exposure                              | : Not classified                                                   |
| Aspiration hazard                                   | : Not applicable                                                   |
| Potential adverse human health effects and symptoms | : Based on available data, the classification criteria are not met |

### SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

#### 12.1. Ecotoxicity

|                                                           |                                                                                                                         |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Ecology - general                                         | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified                                                                                                        |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified                                                                                                        |

#### 12.2. Persistence and degradability

##### RADAR (2.8g)

|                               |               |
|-------------------------------|---------------|
| Persistence and degradability | Not relevant. |
|-------------------------------|---------------|

##### CARBON DIOXIDE (124-38-9)

|                               |                    |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |
|-------------------------------|--------------------|

#### 12.3. Bioaccumulative potential

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|                           |               |
|---------------------------|---------------|
| Bioaccumulative potential | Not relevant. |
|---------------------------|---------------|

#### 12.4. Mobility in soil

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|                |                                              |
|----------------|----------------------------------------------|
| Ecology - soil | No ecological damage caused by this product. |
|----------------|----------------------------------------------|

#### 12.5. Other adverse effects

|                       |                                       |
|-----------------------|---------------------------------------|
| Ozone                 | : Not classified                      |
| Other adverse effects | : No additional information available |

##### RADAR (2.8g)

|                              |       |
|------------------------------|-------|
| Fluorinated greenhouse gases | False |
|------------------------------|-------|

##### CARBON DIOXIDE (124-38-9)

|                              |       |
|------------------------------|-------|
| Fluorinated greenhouse gases | False |
|------------------------------|-------|

### SECTION 13: Disposal considerations

|                         |                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------|
| Waste treatment methods | : Under normal circumstances, waste product / empty containers will be disposed of by Rentokil Initial. |
|-------------------------|---------------------------------------------------------------------------------------------------------|

### SECTION 14: Transport information

In accordance with ADG / IMDG / IATA

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| ADG                                                                               | IMDG                                                                              | IATA                                                                                |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>14.1. UN number</b>                                                            |                                                                                   |                                                                                     |
| 1950                                                                              | 1950                                                                              | 1950                                                                                |
| <b>14.2. UN Proper Shipping Name</b>                                              |                                                                                   |                                                                                     |
| AEROSOLS                                                                          | AEROSOLS                                                                          | Aerosols, non-flammable                                                             |
| <b>Transport document description</b>                                             |                                                                                   |                                                                                     |
| Not applicable                                                                    | UN 1950 AEROSOLS, 2.2                                                             | UN 1950 Aerosols, non-flammable, 2.2                                                |
| <b>14.3. Transport hazard class(es)</b>                                           |                                                                                   |                                                                                     |
| 2.2                                                                               | 2.2                                                                               | 2.2                                                                                 |
|  |  |  |
| <b>14.4. Packing group</b>                                                        |                                                                                   |                                                                                     |
| Not applicable                                                                    | Not applicable                                                                    | Not applicable                                                                      |
| <b>14.5. Environmental hazards</b>                                                |                                                                                   |                                                                                     |
| Dangerous for the environment: No                                                 | Dangerous for the environment: No<br>Marine pollutant: No                         | Dangerous for the environment: No                                                   |

### 14.6. Special precautions for user

Specific storage requirement : No data available  
Shock sensitivity : No data available

### 14.7. Additional information

Other information : No supplementary information available

#### Transport by road and rail

UN-No. (ADG) : 1950  
Special provision (ADG) : 63, 190, 277, 327, 344, 381  
Limited quantities (ADG) : 1I  
Excepted quantities (ADG) : E0  
Packing instructions (ADG) : P207, LP200  
Special packing provisions (ADG) : PP87, L2

#### Transport by sea

UN-No. (IMDG) : 1950  
Special provisions (IMDG) : 63, 190, 277, 327, 344, 381, 959  
Limited quantities (IMDG) : SP277  
Excepted quantities (IMDG) : E0  
Packing instructions (IMDG) : P207, LP200  
Special packing provisions (IMDG) : PP87, L2  
EmS-No. (Fire) : F-D - FIRE SCHEDULE Delta - FLAMMABLE GASES  
EmS-No. (Spillage) : S-U - SPILLAGE SCHEDULE Uniform - GASES (FLAMMABLE, TOXIC OR CORROSIVE)  
Stowage category (IMDG) : None  
Stowage and handling (IMDG) : SW1, SW22  
Segregation (IMDG) : SG69

#### Air transport

UN-No. (IATA) : 1950  
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

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CAO packing instructions (IATA) : 203  
CAO max net quantity (IATA) : 150kg  
Special provisions (IATA) : A98, A145, A167, A802  
ERG code (IATA) : 2L

### 14.8. Hazchem or Emergency Action Code

Hazchem Code : Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations

#### Australian Industrial Chemicals Introduction Scheme (AICIS)

Australian Inventory of Industrial Chemicals (AICIS) : All the chemicals contained in this product are listed introductions  
Inventory) status

#### Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

No additional information available

#### Australian Pesticides and Veterinary Medicines Authority (APVMA)

No additional information available

### 15.2. International agreements

No additional information available

## 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 : Single-use aerosol canister containing 2.5 – 3.0g of carbon dioxide within a tamper resistant unit.

### Full text of H-statements

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

Safety Data Sheet (SDS), Australia

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.