

Rentokil RADAR (2.8g)

Safety Data Sheet

*** DRAFT ***

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).

Country/Area	Organisation/Company	Address	Emergency number	Comment
Australia	Queensland Poisons Information Centre	Royal Children's Hospital Herston Road, Brisbane 4029	13 11 26	
Australia	WA Poisons Information Centre (WAPIC)	Sir Charles Gardner Hospital Hospital Avenue, Nedlands, WA 6009	13 11 26	
Australia	New South Wales Poisons Information Centre	The Children's Hospital at Westmead Locked Bag 4001, Westmead, NSW 2145	13 11 26	
Australia	Victorian Poisons Information Centre	Austin Hospital Studley Road, Heidelberg, Victoria 3084	13 11 26	

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

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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

SECTION 3: Composition and information on ingredients

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Carbon dioxide (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

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according to the Work Health and Safety (WHS) Regulations

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.

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	22500 mg/m ³ in coal mines 9000 mg/m ³
	12500 ppm in coal mines 5000 ppm
OES STEL	54000 mg/m ³ in coal mines 54000 mg/m ³
	30000 ppm in coal mines 30000 ppm

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Carbon dioxide (124-38-9)

Regulatory reference	Workplace exposure standards for airborne contaminants (2022)
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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
Respiratory protection : No respiratory protection needed under normal use conditions

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/cm³
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.

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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 sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
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

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Persistence and degradability	Not relevant.
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Carbon dioxide (124-38-9)

Persistence and degradability	Rapidly degradable
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not relevant.
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12.4. Mobility in soil

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Ecology - soil	No ecological damage caused by this product.
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12.5. Other adverse effects

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

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Fluorinated greenhouse gases	False
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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

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

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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
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
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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

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.