

Safety Data Sheet

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BASF Safety Data Sheet

Date / Revised: 11.12.2023

Version: 3.1

Product: **AMDRO® Cockroach Gel**

(Ref ID no. 30269350/SDS_GEN_AU/EN)

1. Identification

Product identifier

AMDRO® Cockroach Gel

Recommended uses and restrictions on use (if any)

Recommended use:

Biocidal product., Bait, insecticide

Restricted use:

Use according to label only.

Manufacturer / Supplier

BASF New Zealand Limited
5E City Works Depot,
77 Cook Street
Auckland 1010
NEW ZEALAND

Phone: + 64 9 255 4300
0800 932 273

E-mail address: reception@basf-nz.co.nz

Emergency telephone number

National Poisons Centre: 0800 764 766
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)

2. Hazard Identification

Classification of the substance or mixture

Reproductive toxicity	:	Category 2
Specific target organ toxicity - repeat exposure	:	Category 2
Aquatic environment – acute	:	Category 1
Aquatic environment - chronic	:	Category 1

GHS Label Elements, including Precautionary Statements:

Signal Word:
WARNING.

Pictograms:GHS Hazard Statements

H361	:	Suspected of damaging fertility or the unborn child.
H373	:	May cause damage to organs through prolonged or repeated exposure.
H400	:	Very toxic to aquatic life.
H410	:	Very toxic to aquatic life with long lasting effects.

GHS Precautionary Statements (Prevention)

P103	:	Read label before use.
P201	:	Obtain special instructions before use.
P202	:	Do not handle until all safety precautions have been read and understood.
P260	:	Do not breathe mist, vapours and spray.
P281	:	Use personal protective equipment as required.

GHS Precautionary Statements (Response)

P308 + P313	:	IF exposed or concerned: Get medical advice/attention.
P314	:	Get medical advice / attention if you feel unwell.
P391	:	Collect spillage.

GHS Precautionary Statements (Storage)

P405	:	Store locked up
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GHS Precautionary Statements (Disposal):

P501	:	Dispose of contents/container to hazardous or special waste collection point. Information regarding disposal considerations can be found in section 13.
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Other hazards

No other hazards known.
See section 12 - Results of PBT and vPvB assessment.

To avoid risks to human health and the environment, comply with the instructions for use.
If applicable, information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

3. Composition/Information on Ingredients**Substances**

Not applicable

MixturesHazardous ingredients (GHS)

According to UN GHS criteria

Hydramethylnon technical	
Content (W/W):	2 %
CAS Number:	67485-29-4

4. First-Aid Measures

Description of necessary first aid measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:

Immediately wash thoroughly with soap and water, seek medical attention.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms:

Information, i.e. additional information on symptoms and effects may be included in the GHS labelling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far.

Indication of any immediate medical attention and special treatment needed

Treatment:

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

Medical advice:

Contact the National Poisons and Hazardous Chemicals Information centre.
Phone 0800 POISON (0800 764 766).

5. Fire-Fighting Measures

Suitable extinguishing media

Water spray, dry powder, foam

Unsuitable extinguishing media for safety reasons

Water jet, carbon dioxide

Specific hazards

carbon monoxide, carbon dioxide, hydrogen fluoride, nitrogen oxides, halogenated compounds, silica compounds

The substances/groups of substances mentioned can be released in case of fire.

Avoid dust formation. Dust can form an explosive mixture with air. Vapours may form ignitable mixture with air. Prevent electrostatic charge – sources of ignition should be kept well clear – fire extinguishers should be kept handy.

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and chemical-protective clothing.

Precautions for fire-fighters

In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental Release Measures

Personal precautions, Protective equipment and Emergency procedures

Avoid dust formation.
Use personal protective clothing.
Avoid contact with the skin, eyes and clothing.

Environmental precautions

Do not discharge into the subsoil/soil.
Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

For small amounts: Contain with dust binding material and dispose of.

For large amounts: Sweep / shovel up.

Avoid raising dust. Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labelled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Wear suitable protective equipment.

7. Handling and Storage

Precautions for safe handling

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

Any person purchasing, handling or disposing of this product must be suitably qualified.

Only to be supplied to a workplace under the management and control of a PCBU, or to a professional pest control operator.

Refer to the product label for handling precautions and directions for use.

Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds.

Further information on storage conditions:

Keep away from heat. Protect against moisture. Protect from direct sunlight.

Protect from temperatures below 0°C.

Changes in the properties of the product may occur if substance / product is stored below indicated temperature for extended periods of time.

Protect from temperatures above 40°C.

Changes in the properties of the product may occur if substance / product is stored above indicated temperature for extended periods of time.

8. Exposure Controls/Personal Protection

Control parameters

Occupational exposure limits

Component:	propane-1,2-diol
CAS Number:	57-55-6
TWA Value:	150 ppm; 474 mg/m ³ Vapour and Particulate (source: WES 2023)
TWA Value:	10 mg/m ³ Particulate (source: WES 2023)

Engineering controls

Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Respiratory protection:

Respiratory protection not required.

Hand protection:

Rubber gloves

Eye protection:

Eye protection not required.

Body protection:

Standard work clothes and shoes.

General safety and hygiene measures

Avoid contact with the skin, eyes and clothing. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Wash contaminated clothing before re-use. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks). Before eating, drinking or smoking, wash face and hands with soap and water.

9. Physical and Chemical Properties

Form:	Solid
Colour:	Yellow to brown
Odour:	Faint odour, aromatic
Odour threshold:	Not determined due to potential health hazard by inhalation
pH value:	Approx. 3 - 5 (20°C) (measured with the undiluted substance)
Melting point:	Approx. 0°C (Information applies to the solvent)
Boiling point:	Approx. 100°C (1,013 hPa) (Information applies to the solvent)
Flash point:	Not applicable, the product is a solid
Evaporation rate:	Not applicable
Flammability:	Not flammable
Lower explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Upper explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Vapour pressure:	Approx. 10 mmHg (21°C)
Density:	Approx. 1.10 g/cm ³ (20°C)
Bulk density:	Approx. 1.10 g/cm ³
Relative vapour density (air):	Not applicable
Solubility in water:	Soluble
Partitioning coefficient n-octanol/water (log Pow):	Not applicable
Thermal decomposition:	No decomposition if stored and handled as prescribed / indicated.
Self-ignition:	Based on the water content the product does not ignite.
Self-heating ability:	Not tested on account of the low melting-point
Explosion hazard:	Not explosive
Fire promoting properties:	Not fire-propagating
Viscosity, dynamic:	Not applicable, the product is a solid

10. Stability and Reactivity

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed/indicated.

Conditions to avoid

See SDS section 7 - Handling and storage.

Thermal decomposition: No decomposition if stored and handled as prescribed / indicated.

Incompatible materials / Substances to avoid

Strong acids, strong bases, strong oxidizing agents

Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed/indicated. Prolonged thermal loading can result in products of degradation being given off.

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:

Virtually non-toxic after single ingestion. Virtually non-toxic after a single skin contact. Virtually non-toxic by inhalation.

Experimental/calculated data:

LD50 rat (oral): >5,000 mg/kg
No mortality was observed.

LC50 rat (by inhalation): 2.9 mg ai/l 4 h, hydramethylnon
Tested as dust aerosol.
The product was not tested.

LD50 rat (dermal): >4,000 mg/kg
No mortality was observed.

Skin Corrosion / Irritation

Assessment of irritating effects:

Not irritating to the skin.

Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant

Serious Eye Damage / Irritation

Assessment of irritating effects:

Not irritating to the eyes.

Experimental/calculated data:

Serious eye damage/irritation rabbit: non-irritant.

Respiratory or Skin sensitization

Assessment of sensitization:

There is no evidence of a skin-sensitising potential.

Experimental/calculated data:

Modified Buehler test guinea pig: non-sensitizing.

Germ cell mutagenicity

Assessment of mutagenicity:

Mutagenicity tests revealed no genotoxic potential. The product has not been tested. The statement has been derived from the properties of the individual components.

Carcinogenicity

Assessment of carcinogenicity:

The results of various animal studies gave no indication of a carcinogenic effect. The product has not been tested. The statement has been derived from the properties of the individual components.

Reproductive toxicity

Assessment of reproduction toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: hydramethylnon

Assessment of reproduction toxicity:

Causes impairment of fertility in laboratory animals.

Developmental toxicity

Assessment of teratogenicity:

Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals. The product has not been tested. The statement has been derived from the properties of the individual components.

Specific target organ toxicity (single exposure)

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Remarks: The product has not been tested. The statement has been derived from the properties of the individual components.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: hydramethylnon

Assessment of repeated dose toxicity:

Repeated oral exposure to small quantities may affect certain organs.

Aspiration hazard

No aspiration hazard expected. The product has not been tested. The statement has been derived from the properties of the individual components.

Other relevant toxicity information

Misuse can be harmful to health.

12. Ecological Information

Ecotoxicity - Aquatic

Assessment of aquatic toxicity:

Very toxic to aquatic life with long lasting effects.

The product has not been tested. The statement has been derived from the properties of the individual components.

Toxicity to fish:

LC50 (96 h): 0.09 mg ai/l, *Ictalurus punctatus*, syn: *I. robustus*, hydramethylnon

Aquatic invertebrates:

EC50 (96 h): 0.0544 mg/l, *Americamysis bahia*, hydramethylnon

NOEC (21 d): 0.000088, *Daphnia magna*, hydramethylnon

Aquatic plants:

EC50 (72 h): 0.01112 mg/l, *Pseudokirchneriella subcapitata*, hydramethylnon

EC10 (72 h): 0.00481 mg/l, *Pseudokirchneriella subcapitata*, hydramethylnon

Ecotoxicity - Terrestrial

Assessment of terrestrial toxicity:

There is a high probability the product is not harmful to terrestrial vertebrates. The product has not been tested. The statement has been derived from the properties of the individual components.

Toxicity to birds:

Acute oral LD50: 1828 mg ai/l, *Colinus virginianus*, hydramethylnon

Toxicity to soil organisms:

No data

Toxicity to Pollinators:

No data

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: hydramethylnon

Assessment biodegradation and elimination (H₂O):

Not readily biodegradable.

Bioaccumulative potential

Assessment bioaccumulation potential:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: hydramethylnon

Bioaccumulation potential:

Bioconcentration factor: 95, *Gambusia affinis* (measured)

Does not accumulate in organisms.

Mobility in soilAssessment transport between environmental compartments:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: hydramethylnon

Assessment transport between environmental compartments:

Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

Results of PBT and vPvB assessment

The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

Other adverse effectsOther ecotoxicological advice:

Do not discharge product into the environment without control.

Do not apply onto or into water.

13. Disposal Considerations**Container:**

Triple rinse empty container and add rinsate to the spray tank. Recycle through Agrecovery (0800 247 326, www.agrecovery.co.nz). Do not use container for any other purpose.

Product:

Dispose of this product only by using according to the label or at an approved facility. Do NOT burn product. Do NOT contaminate water with product or used container.

Waste product/package may be sent to a suitable incineration plant, observing local regulations.

Contaminated Packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance / product.

14. Transport Information**Commercial transport:**

Classified as dangerous good(s) for Land/rail (ADR/RID), sea (IMDG) and air transport (ICAO/IATA):

Land / Rail / Road (ADR/RID):

UN number:	UN 3077
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains Hydramethylnon)
Transport hazard class(es) / UN DG Class:	9, (EHSM)
Packing group:	III
Environmental hazards:	Marine pollutant
HAZCHEM:	2Z
IERG Number:	47
Special precautions when transporting the substance:	None known

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Product: **AMDRO® Cockroach Gel**

(Ref ID no. (Ref ID no. 30269350/SDS_GEN_AU/EN))

Sea transport (IMDG):

UN number:	UN 3077
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains Hydramethylnon)
Transport hazard class(es):	9, EHSM
Packing group:	III
Environmental hazards:	marine pollutant
Marine pollutant:	Yes
Special precautions when transporting the substance:	EmS: F-A; S-F

Air transport (IATA / ICAO):

UN number:	UN 3077
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains Hydramethylnon)
Transport hazard class(es):	9, EHSM
Packing group:	III
Environmental hazards:	Yes, marine pollutant
Special precautions when transporting the substance:	None known

15. Regulatory Information**HSNO Approval Number**

HSR101308

See www.epa.govt.nz for approval conditions.**Tolerable Exposure Limit or Environmental Exposure Limit**

TEL:	None set
EEL:	None set

Relevant Regulatory Requirements

Qualifications:	Required. Refer to label
Certified Handler:	Not required
Tracking:	Not required
Record Keeping:	Required. Refer to label
Restricted to Workplace:	Not applicable
Controlled substance licence:	Only to be supplied to a workplace under the management and control of a PCBU, or to a professional pest control operator. Not for sale to the general public.

ACVM Registration

Exempt from registration under the ACVM Act.

Ministry for Primary Industries Approvals

MPI Approved Type D (all animal product except dairy).

MPI approved for use in farm dairies.

MPI recognised for use in dairy processing.

International Agreements related to the substance such as Montreal Protocol, the Stockholm Convention or Rotterdam Convention

not applicable

16. Other Information

Date of preparation of the SDS

11 December 2023

Key or legend to abbreviations and acronyms used

ACGIH	The American Conference of Governmental Industrial Hygienists
ACVM	Agricultural Compounds and Veterinary Medicines
ADN	International Carriage of Dangerous Goods by Inland Waterways (EU)
ADR/RID	Dangerous Goods for Road / Rail
DG	Dangerous Goods
EC50	Median effective concentration
EEL	Environmental Exposure Limit
EHSM	Environmental Health and Safety Management
EPA	Environmental Protection Authority
EU	European Union
GHS	Globally Harmonised System
ICAO	International Civil Aviation Organisation
IATA	International Air Transport Association
IERG	International Emergency Response Guide
IMDG	International Maritime Dangerous Goods
LD50	Lethal concentration to 50% of the test population
MPI	Ministry for Primary Industries
NOEC	No Observed Effect Concentration
N.O.S.	Not Otherwise Specified
OEL	Operator Exposure Limits
PBT or vPvP	Persistent / Bioaccumulative / Toxic or very Persistent / very Bioaccumulative
SDS	Safety Data Sheet
STOT	Specific Target Organ Toxicity
TDG	Transportation of Dangerous Goods
TEL	Tolerable Exposure Limit
TLVs	Threshold Limit Values
UN GHS	United Nations Globally Harmonised System
WES	Workplace Exposure Standards
49CFR	Code of Federal Regulations Title 49 for Transportation

For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.