We create chemistry

Safety data sheet

1. Substance/preparation and manufacturer/supplier identification

Product name:
Amdro Cockroach Gel

Use: insecticide

Manufacturer/supplier:
BASF Australia Limited (ABN 62 008 437 867)
Level 23, 40 City Road, Southbank
Victoria 3006, AUSTRALIA
Telephone: +61 3 8855-6600

Emergency information:
BASF Emergency Advice Number: 1800 803 440 (24h) [within Australia]
BASF Emergency Advice Number: + 61 3 8855 6666 [outside Australia]

2. Hazard identification

Classification of the substance and mixture:
Reproductive toxicity: Cat.1B (fertility)
Specific target organ toxicity — repeated exposure: Cat.2
Hazardous to the aquatic environment - acute: Cat.1
Hazardous to the aquatic environment - chronic: Cat.1

Label elements and precautionary statement:

Pictogram:

Signal Word:
Danger

Hazard Statement:

H373	May cause damage to organs through prolonged or repeated exposure.
H360	May damage fertility.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary Statement:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.

Precautionary Statements (Prevention):

P273	Avoid release to the environment.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P260	Do not breathe dust.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.

Precautionary Statements (Response):

P308 + P313	IF exposed or concerned: Get medical attention.
P391	Collect spillage.

Precautionary Statements (Storage):

P405	Store locked up.

Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:
See section 12 - Results of PBT and vPvB assessment.
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

Chemical nature

Substance nature: mixture

Bait, insecticide, Biocidal product

Hazardous ingredients

Hydramethylnon technical

Content (W/W): 2 %	Eye Dam./Irrit.: Cat. 2A
CAS Number: 67485-29-4	Acute Tox.: Cat. 4 (oral)
	Acute Tox.: Cat. 4 (Inhalation - dust)
	Repr.: Cat. 1B (fertility)
	STOT RE: Cat. 1
	Aquatic Acute: Cat. 1
	Aquatic Chronic: Cat. 1
	M-factor chronic: 1000

4. 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.

Note to physician:
Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:
dry powder, foam, water spray

Unsuitable extinguishing media for safety reasons:
carbon dioxide, water jet

Specific hazards:
carbon monoxide, hydrogen fluoride, carbon dioxide, nitrogen oxides, halogenated compounds, silica compounds
The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment:
Wear self-contained breathing apparatus and chemical-protective clothing.

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

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

Methods for cleaning up or taking up:
For small amounts: Contain with dust binding material and dispose of.
For large amounts: Sweep/shovel up.
Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Collect waste in suitable containers, which can be labeled and sealed. Dispose of absorbed material in accordance with regulations. Avoid raising dust. Wear suitable protective equipment.

7. Handling and Storage

Handling

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

Protection against fire and explosion:
Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy. Avoid dust formation. Dust can form an explosive mixture with air.

Storage

Segregate from foods and animal feeds.
Further information on storage conditions: Protect against moisture. Keep away from heat. 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 and personal protection

Components with occupational exposure limits

propane-1,2-diol, 57-55-6;
TWA value 474 mg/m3 ; 150 ppm (AU NOEL), Total vapour and particulates
TWA value 10 mg/m3 (AU NOEL), Particulate
TWA value 474 mg/m3 ; 150 ppm (OEL (AU)), Total vapour and particulates
TWA value 10 mg/m3 (OEL (AU)), Particulate

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 reuse. 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.
Evaporation rate:	not applicable
Flammability (solid/gas):	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.

Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self ignition:	Based on the water content the product does not ignite.	Test type: Spontaneous self-ignition at room-temperature.
Self heating ability:	Not tested on account of the low melting-point.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	approx. 10 mmHg (21 °C)	
Density:	approx. 1.10 g/cm3 (20 °C)	
Bulk density:	approx. 1.10 g/cm3	

Relative vapour density (air):
not applicable

Solubility in water: soluble

Partitioning coefficient n-octanol/water (log Pow):
not applicable

Viscosity, dynamic:
not applicable, the product is a solid

10. Stability and Reactivity

Conditions to avoid:
See SDS section 7 - Handling and storage.

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

Substances to avoid:
strong bases, strong acids, strong oxidizing agents

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

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.

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

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

11. Toxicological Information

Routes of exposure

Acute oral toxicity

Experimental/calculated data:
LD50rat (oral): > 5,000 mg/kg (OECD Guideline 401)
No mortality was observed.

Acute dermal toxicity

LD50 rat (dermal): > 4,000 mg/kg (OECD Guideline 402)
No mortality was observed.

Assessment of acute toxicity

Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation.

Information on: 5,5-dimethyl-perhydro-pyrimidin-2-one α-(4-trifluoromethylstyryl)-α-(4-trifluoromethyl)cinnamylidenehydrazone

Acute inhalation toxicity

Experimental/calculated data:
LC50 rat (by inhalation): 2.9 mg/l 4 h (OECD Guideline 403)
Tested as dust aerosol.

Symptoms

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

Irritation

Assessment of irritating effects:
Not irritating to the skin. Not irritating to the eyes.

Experimental/calculated data:
Skin corrosion/irritation rabbit: (OECD Guideline 404)

Serious eye damage/irritation rabbit: (OECD Guideline 405)

Respiratory/Skin sensitization

Assessment of sensitization:
There is no evidence of a skin-sensitizing potential.

Experimental/calculated data:
Buehler test guinea pig: Non-sensitizing. (OECD Guideline 406)

Germ cell mutagenicity

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

Carcinogenicity

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

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: 5,5-dimethyl-perhydro-pyrimidin-2-one α-(4-trifluoromethylstyryl)-α-(4-trifluoromethyl)cinnamylidenehydrazone
Assessment of reproduction toxicity:
Causes impairment of fertility in laboratory animals.

Developmental toxicity

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

Specific target organ toxicity (single exposure)

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: 5,5-dimethyl-perhydro-pyrimidin-2-one α-(4-trifluoromethylstyryl)-α-(4-trifluoromethyl)cinnamylidenehydrazone
Assessment of repeated dose toxicity:
Repeated oral exposure to small quantities may affect certain organs.

Aspiration hazard

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

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.

Information on: 5,5-dimethyl-perhydro-pyrimidin-2-one α-(4-trifluoromethylstyryl)-α-(4-trifluoromethyl)cinnamylidenehydrazone
Toxicity to fish:
LC50 (96 h) 0.09 mg/l, Ictalurus punctatus, syn: I. robustus (static)

Information on: 5,5-dimethyl-perhydro-pyrimidin-2-one α-(4-trifluoromethylstyryl)-α-(4-trifluoromethyl)cinnamylidenehydrazone
Aquatic invertebrates:
EC50 (96 h) 0.0544 mg/l, Americamysis bahia

Information on: 5,5-dimethyl-perhydro-pyrimidin-2-one α-(4-trifluoromethylstyryl)-α-(4-trifluoromethyl)cinnamylidenehydrazone
Aquatic plants:
EC50 (72 h) 0.01112 mg/l, Pseudokirchneriella subcapitata

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

Information on: 5,5-dimethyl-perhydro-pyrimidin-2-one α-(4-trifluoromethylstyryl)-α-(4-trifluoromethyl)cinnamylidenehydrazone
Chronic toxicity to aquatic invertebrates:
No observed effect concentration (21 d), 0.000088 mg/l, Daphnia magna
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Mobility

Assessment transport between environmental compartments:
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: 5,5-dimethyl-perhydro-pyrimidin-2-one α-(4-trifluoromethylstyryl)-α-(4-trifluoromethyl)cinnamylidenehydrazone
Assessment transport between environmental compartments:
Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

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: 5,5-dimethyl-perhydro-pyrimidin-2-one α-(4-trifluoromethylstyryl)-α-(4-trifluoromethyl)cinnamylidenehydrazone
Assessment biodegradation and elimination (H2O):
Not readily biodegradable (by OECD criteria).

Bioaccumulation potential

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

Information on: 5,5-dimethyl-perhydro-pyrimidin-2-one α-(4-trifluoromethylstyryl)-α-(4-trifluoromethyl)cinnamylidenehydrazone
Bioaccumulation potential:
Bioconcentration factor: 95, Gambusia affinis (measured)
Does not accumulate in organisms.

Additional information

Other ecotoxicological advice:
Do not discharge product into the environment without control.

13. Disposal Considerations

Must be disposed of or incinerated in accordance with 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

Domestic transport:

UN number or ID number:	UN 3077
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (HYDRAMETHYLNON)
Transport hazard class(es):	9, EHSM
Packing group:	III
Environmental hazards:	yes
Special precautions for user:	None known

Further information
Hazchem Code:2Z
IERG Number:47

Sea transport
IMDG

UN number or ID number:	UN 3077
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (HYDRAMETHYLNON)
Transport hazard class(es):	9, EHSM
Packing group:	III
Environmental hazards:	yes Marine pollutant: YES
Special precautions for user:	EmS: F-A; S-F

Air transport
IATA/ICAO

UN number or ID number:	UN 3077
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (HYDRAMETHYLNON)
Transport hazard class(es):	9, EHSM
Packing group:	III
Environmental hazards:	yes
Special precautions for user:	None known

Further information
Environmentally Hazardous Substances meeting the description of UN 3077 or UN 3082 are not subjected to the Australian Dangerous Goods Code when transported by road or rail in packagings not exceeding 500 kg(L) or IBCs.

Product may be shipped as non-hazardous in suitable packages containing a net quantity of 5 kg or less under the provisions of various regulatory agencies: ADR, RID, ADN: Special Provision 375; IMDG: 2:10.2.7; IATA: A197; TDS: Special Provision 99(2); 49CFR: §171.4 (c) (2) and also the Special Provision 375 in Appendix B which is regulated in China "Regulations Concerning Road Transportation of Dangerous Goods Part 3: Index of dangerous goods name and transportation requirements" (JT/T 617.3)

15. Regulatory Information

Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Schedule 6

APVMA Approval No: 50460

16. Other Information

Vertical lines in the left hand margin indicate an amendment from the previous version.

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.