

Safety data sheet

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BASF Safety data sheet

Date / Revised: 03.06.2013

Product: **AMDRO® C/ROACH GEL**

Version: 3.0

Classified as hazardous according to criteria of NOHSC

315 00 I

(30269350/SDS_CPA_AU/EN)

Date of print 03.06.2013

1. Substance/preparation and company identification

AMDRO® C/ROACH GEL

Use: crop protection product, insecticide

Company:

Garrards (NZ) Ltd
Unit 4 27b Cain Rd
Penrose Auckland NZ 1061
P: 09 526 5232
F: 09 526 4272

Emergency information:

National Poisons Information Centre (NZ) - 0800 - POISON (764766)

2. Hazard identification

HAZARDOUS SUBSTANCE, DANGEROUS GOOD

Harmful: danger of serious damage to health by prolonged exposure if swallowed.

Keep out of the reach of children.

Keep away from food, drink and animal feeding stuffs.

When using do not eat, drink or smoke.

This material and its container must be disposed of in a safe way.

Wear suitable protective clothing and gloves.

If swallowed, seek medical advice immediately and show this container or label.

Use appropriate container to avoid environmental contamination.

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3. Composition/information on ingredients

Chemical nature

Bait, insecticide

Hazardous ingredients

hydramethylnon

Content (W/W): 2 %
CAS Number: 67485-29-4
EC-Number: 405-090-9
Hazard symbol(s): T, N
R-phrases(s): 20/22, 36, 48/25, 50/53, 60

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

4. First-Aid Measures

General advice:

Avoid contact with the skin, eyes and clothing. Remove contaminated clothing. If difficulties occur: Obtain medical attention. Show container, label and/or safety data sheet to physician.

If inhaled:

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

On skin contact:

After contact with skin, wash immediately with plenty of water and soap. If irritation develops, seek medical attention.

On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

Note to physician:

Treatment: Treat symptomatically.
Antidote: No known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:

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carbon dioxide, dry powder, foam, water spray

Specific hazards:

carbon monoxide, hydrogen fluoride, nitrogen oxides
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. Ensure adequate ventilation.

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 absorbent material (e.g. sand, silica gel, acid binder, general purpose binder, sawdust).

For large amounts: Dispose of contaminated material as prescribed.

Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Collect waste in suitable containers, which can be labeled and sealed. Incinerate or take to a special waste disposal site in accordance with local authority regulations.

7. Handling and Storage

Handling

Avoid contact with the skin, eyes and clothing. Ensure thorough ventilation of stores and work areas.

Protection against fire and explosion:

Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

Storage

Segregate from foods and animal feeds.

Further information on storage conditions: Protect against moisture. Keep in a cool, well-ventilated place.

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Storage stability:
Storage duration: 24 Months
Keep container dry.
The stated storage temperature should be noted.

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 workplace control parameters

no exposure standard allocated

Personal protective equipment

Respiratory protection:
Respiratory protection not required.

Hand protection:
Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact
(Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other

Eye protection:
Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:
light protective clothing

General safety and hygiene measures:
Avoid contact with the skin, eyes and clothing. Wearing of closed work clothing is recommended.
Remove contaminated clothing. Store work clothing separately. Keep away from food, drink and animal feeding stuffs. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

9. Physical and Chemical Properties

Form: gel
Colour: yellow to brown
Odour: almost odourless

pH value: 5.1
(measured with the undiluted substance)

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Melting point:	approx. 0 °C Information applies to the solvent. -4 - 80 °C
Boiling point:	approx. 100 °C (1,013 hPa) Information applies to the solvent.
Flash point:	> 100 °C No flash point - Measurement made up to the indicated temperature, pilot light extinguishes.
Flammability:	does not ignite
Self ignition:	Based on the water content the product does not ignite.
Vapour pressure:	10 mmHg (21 °C)
Density:	1.05 - 1.15 g/cm ³ (20 °C)
Bulk density:	not applicable
Solubility in water:	insoluble
Partitioning coefficient n-octanol/water (log Pow):	not applicable
Viscosity, dynamic:	not determined

10. Stability and Reactivity

Conditions to avoid:

Avoid all sources of ignition: heat, sparks, open flame. Avoid extreme temperatures. Avoid prolonged exposure to extreme heat. Avoid contamination. Avoid electro-static discharge. Avoid prolonged storage.

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

Substances to avoid:
strong oxidizing agents

Corrosion to metals: Corrosive effects to metal are not anticipated.

Hazardous reactions:

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

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

11. Toxicological Information

Acute toxicity

LD50 rat (oral): > 5,000 mg/kg

LD50 rat (dermal): > 4,000 mg/kg

Irritation

Primary skin irritation rabbit: non-irritant

Primary irritations of the mucous membrane rabbit: non-irritant

Assessment other acute effects

Assessment other acute effects:
The available information is not sufficient for evaluation.

Sensitization

guinea pig: Skin sensitizing effects were not observed in animal studies.

Repeated dose toxicity

Assessment of repeated dose toxicity:
Harmful: danger of serious damage to health by prolonged exposure if swallowed.

Genetic toxicity

Information on: hydramethylnon
Assessment of mutagenicity:
No mutagenic effect was found in various tests with microorganisms and mammals.

Carcinogenicity

Information on:
5,5-dimethyl-perhydro-pyrimidin-2-one-.alpha.-(4-trifluoromethylstyryl)-.alpha.-(4-trifluoromethyl)cinn
amylidenehydrazone
Assessment of carcinogenicity:
In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect
was not observed.

Reproductive toxicity

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Assessment of reproduction toxicity:
Lack of data.

Developmental toxicity

Assessment of teratogenicity:
Lack of data.

Other relevant toxicity information

Misuse can be harmful to health.

12. Ecological Information

Ecotoxicity

Toxicity to fish:
LC50 (96 h) > 0.45 mg/l, *Oncorhynchus mykiss*

Aquatic invertebrates:
EC50 (48 h) 1.14 mg/l, *Daphnia magna*

Aquatic plants:
EC50 (72 h) 0.0059 mg/l, *Pseudokirchneriella subcapitata*

Persistence and degradability

Assessment biodegradation and elimination (H₂O):
Not readily biodegradable (by OECD criteria).

Additional information

Other ecotoxicological advice:
Ecological data are not available. The ecological data given are those of the active ingredient. 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 accordance with official regulations after being thoroughly cleaned.
Uncleaned empties should be disposed of in the same manner as the contents.

14. Transport Information

Domestic transport:

Hazard class: 9

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Packing group: III
 ID number: UN 3077
 Hazard label: 9, EHS
 Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
 (contains HYDRAMETHYLNON 2%)

Further information

Hazchem Code:2Z
 IERG Number:47

Sea transport

IMDG

Hazard class: 9
 Packing group: III
 ID number: UN 3077
 Hazard label: 9, EHS
 Marine pollutant: YES
 Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
 (contains HYDRAMETHYLNON 2%)

Air transport

IATA/ICAO

Hazard class: 9
 Packing group: III
 ID number: UN 3077
 Hazard label: 9, EHS
 Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
 (contains HYDRAMETHYLNON 2%)

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 or 500 L.

15. Regulatory Information

Standard for the Uniform Scheduling of Drugs and Poisons (Australia):

Poisons Schedule: Drugs & Poisons, Schedule 6

Hazard symbol(s)

Xn Harmful.
 N Dangerous for the environment.

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R-phrase(s) R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
S-phrase(s) S2	Keep out of the reach of children.
S13	Keep away from food, drink and animal feeding stuffs.
S20/21	When using do not eat, drink or smoke.
S35	This material and its container must be disposed of in a safe way.
S36/37	Wear suitable protective clothing and gloves.
S46	If swallowed, seek medical advice immediately and show this container or label.
S57	Use appropriate container to avoid environmental contamination.

Hazard determining component(s) for labelling: HYDRAMETHYLNON

Other regulations

Registration status:

AICS, AU released / exempt
 APVMA No. 50460

16. Other Information

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 3:

T	Toxic.
N	Dangerous for the environment.
20/22	Harmful by inhalation and if swallowed.
36	Irritating to eyes.
48/25	Toxic: danger of serious damage to health by prolonged exposure if swallowed.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
60	May impair fertility.

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. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.