The Chemical Company

Safety data sheet

BASF Safety data sheet
Date / Revised: 30.11.2010 Version: 2.1
Product: **AMDRO GRANULAR ANT BAIT**
Classified as hazardous according to criteria of NOHSC
315 02 I
(30141877/SDS_CPA_AU/EN)
Date of print 30.11.2010

1. Substance/preparation and company identification

AMDRO GRANULAR ANT BAIT

Company:
BASF Australia Limited (ABN 62 008 437 867)
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Telephone: +61 3 8855-6600
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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

HAZARDOUS SUBSTANCE, NON-DANGEROUS GOOD
Irritating to eyes.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Keep out of the reach of children.
Keep away from food, drink and animal feeding stuffs.
When using do not eat, drink or smoke.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

3. Composition/information on ingredients

Chemical nature

Ant bait

Hazardous ingredients

hydramethylnon
Content (W/W): 0.9 %
CAS Number: 67485-29-4
EC-Number: 405-090-9
Hazard symbol(s): T, N
R-phrase(s): 20/22, 36, 48/25, 50/53, 60

1,4-Benzenediol, 2-(1,1-dimethylethyl)-
Content (W/W): 0.1 %
CAS Number: 1948-33-0
EC-Number: 217-752-2
Hazard symbol(s): Xn, N
R-phrase(s): 21/22, 36/37/38, 50

The wording of the hazard symbols and R-phrases is specified in Section 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:
Immediately wash thoroughly with soap and water, seek medical attention. 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. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

Note to physician:
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:
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:
Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Remove contaminated clothes, undergarments and shoes immediately.

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: Contain with absorbent material (e.g. sand, silica gel, acid binder, general purpose binder, sawdust).
Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

7. Handling and Storage

Handling

Avoid contact with the skin, eyes and clothing. No special measures necessary if stored and handled correctly.

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. Avoid all sources of ignition: heat, sparks, open flame. Keep in a cool, well-ventilated place.

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

Hydramethylnon, 67485-29-4; (Content (W/W): 0.9 %)
TWA value 1.4 mg/m3 ()

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:
Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

Professional Pest Control Product:
Should not be used in areas accessible to children. Harmful if swallowed. When using the product, wear rubber gloves. Wash hands after use. After each day's use, wash gloves. Avoid contact with the skin, eyes and clothing. Take off immediately all contaminated clothing. Keep away from food, drink and animal feeding stuffs. No eating, drinking, smoking or tobacco use at the place of work. Hands and/or face should be washed before breaks and at the end of the shift.

9. Physical and Chemical Properties

Form:	granules
Colour:	brown
Odour:	almost odourless

pH value:	approx. 6.8 (20 g/l, 20 °C) (as a dispersion)
Melting temperature:	approx. 175 °C
Flash point:	93.3 °C
Explosion hazard:	not explosive
Density:	0.626 g/cm3 (20 °C)
Bulk density:	approx. 690 kg/m3 (20 °C)
Solubility in water:	insoluble

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

10. Stability and Reactivity

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

11. Toxicological Information

Acute toxicity

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

LD50 rat (dermal): > 2,000 mg/kg (product)

Information on: Hydramethylnon technical
LC50 rat (by inhalation): 2.9 mg/l 4 h (OECD Guideline 403)
Tested as dust aerosol.

Irritation

Primary skin irritation rabbit: non-irritant (product)

Primary irritations of the mucous membrane rabbit: non-irritant (product)

Assessment other acute effects

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

Sensitization

Information on: Hydramethylnon technical
Assessment of sensitization:
There is no evidence of a skin-sensitizing potential.

Repeated dose toxicity

Assessment of repeated dose toxicity:
No data available.

Genetic toxicity

Assessment of mutagenicity:
No data available.

Carcinogenicity

Assessment of carcinogenicity:
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Reproductive toxicity

Assessment of reproduction toxicity:
No data available.

Developmental toxicity

Assessment of teratogenicity:
No data available.

Information on: Hydramethylnon
Assessment of teratogenicity:
Causes developmental effects in animals at high, maternally toxic doses.

Other relevant toxicity information

Misuse can be harmful to health.

12. Ecological Information

Ecotoxicity

Information on: hydramethylnon
Toxicity to fish:
LC50 (96 h) 0.16 mg/l, Oncorhynchus mykiss

Information on: hydramethylnon
Aquatic invertebrates:
EC50 (48 h) 1.14 mg/l, Daphnia magna

Information on: hydramethylnon
Aquatic plants:
EC50 1.4 ug/L, algae

Persistence and degradability

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

Additional information

Other ecotoxicological advice:
Do not discharge product into the environment without control. The ecological data given are those of the active ingredient. No data available for the preparation.

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:

ADG Code	Not classified as a dangerous good under transport regulations

Sea transport

IMDG	Not classified as a dangerous good under transport regulations

Air transport
IATA/ICAO Not classified as a dangerous good under transport regulations

15. Regulatory Information

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

Poisons Schedule: Drugs & Poisons, Schedule 6

Hazard symbol(s)
Xi Irritant.

R-phrase(s)
R36 Irritating to eyes.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Hazard determining component(s) for labelling: HYDRAMETHYLNON

Other regulations

For the user of this plant-protective product applies: 'To avoid risks to man and the environment, comply with the instructions for use.' (Directive 1999/45/EC, Article 10, No. 1.2)

Registration status:

AICS, AU released / exempt
APVMA Approval 47194

16. Other Information

Full text of hazard symbols and R-phrases if mentioned as hazardous components in Section 3:
T Toxic.

N	Dangerous for the environment.
Xn	Harmful.
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.
21/22	Harmful in contact with skin and if swallowed.
36/37/38	Irritating to eyes, respiratory system and skin.
50	Very toxic to aquatic organisms.

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.