

Safety data sheet

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BASF Safety data sheet

Date / Revised: 04.03.2013

Product: **AMDRO GRANULAR ANT BAIT**

Version: 3.0

(58943840/SDS_CPA_AU/EN)

Date of print 01.11.2013

1. Substance/preparation and company identification

AMDRO GRANULAR ANT BAIT

Use: crop protection product, insecticide

Manufacturer/supplier:

BASF Australia Limited (ABN 62 008 437 867)

Level 12, 28 Freshwater Place Southbank

Victoria 3006, AUSTRALIA

Telephone: +61 3 8855-6600

Telefax number: +61 3 8855-6511

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

NON-HAZARDOUS SUBSTANCE, NON-DANGEROUS GOODS

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.

3. Composition/information on ingredients

Chemical nature

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insecticide, Bait

Hazardous ingredients

hydramethylnon

Content (W/W): 0.73 %
CAS Number: 67485-29-4

| 1,4-Benzenediol, 2-(1,1-dimethylethyl)-

Content (W/W): < 1 %
| CAS Number: 1948-33-0

| starch

Content (W/W): < 90 %
| CAS Number: 9005-25-8

| soybean oil

Content (W/W): < 20 %
| CAS Number: 8001-22-7

| oleic acid

Content (W/W): < 5 %
| CAS Number: 112-80-1

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:

| 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:

| Rinse mouth immediately and then drink plenty of water, induce vomiting, seek medical attention.

Note to physician:

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

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

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

7. Handling and Storage

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. Remove contaminated clothing and protective equipment before entering eating areas.

Protection against fire and explosion:
Avoid dust formation. Dust can form an explosive mixture with air. 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 away from heat. Protect from direct sunlight.

Storage stability:

Storage duration: 24 Months

Keep container dry.

The stated storage temperature should be noted.

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

starch, 9005-25-8;

TWA value 10 mg/m³ (OEL (AU)), Inhalable dust

soybean oil, 8001-22-7;

TWA value 10 mg/m³ (OEL (AU)), Inhalable dust

Personal protective equipment

Respiratory protection:

Suitable respiratory protection for lower concentrations or short-term effect: Particle filter with high efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P3 or FFP3).

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).

General safety and hygiene measures:

The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Wearing of closed work clothing is recommended. Keep away from food, drink and animal feeding stuffs. Store work clothing separately.

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9. Physical and Chemical Properties

Form:	powder
Colour:	tan
Odour:	mild, of vegetable oils
pH value:	approx. 6 - 8 (20 °C)
Melting point:	> 20 °C
Information on: starch	
melting point (decomposition):	> 170 °C

Boiling point:	not applicable
Flash point:	not applicable
Flammability:	Product is combustible.
Lower explosion limit:	For solids not relevant for classification and labelling.
Upper explosion limit:	For solids not relevant for classification and labelling.
Self ignition:	Temperature: approx. 404 °C Information based on the main components.
Explosion hazard:	not explosive
Fire promoting properties:	Based on its structural properties the product is not classified as oxidizing.
Bulk density:	approx. 240 - 384 kg/m ³
Relative vapour density (air):	not determined
Solubility in water:	dispersible
Partitioning coefficient n-octanol/water (log Pow):	not applicable
Viscosity, dynamic:	not applicable

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

10. Stability and Reactivity

Conditions to avoid:

See MSDS section 7 - Handling and storage.

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Thermal decomposition: not determined

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.

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:
Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation. Virtually nontoxic after a single ingestion.

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

LC50 rat (by inhalation): > 5 mg/l 4 h

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

Irritation

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

Primary skin irritation rabbit: non-irritant

Primary irritations of the mucous membrane rabbit: non-irritant

Sensitization

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

Skin sensitization test guinea pig: Non-sensitizing.

Repeated dose toxicity

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-.alpha.-(4-trifluoromethylstyryl)-.alpha.-(4-trifluoromethyl)cinnamylidenehydrazone

Assessment of repeated dose toxicity:
Repeated oral exposure to small quantities may affect certain organs.

Genetic toxicity

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-.alpha.-(4-trifluoromethylstyryl)-.alpha.-(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.

Other relevant toxicity information

Misuse can be harmful to health.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components. Acutely toxic for aquatic organisms. May cause long-term adverse effects in the aquatic environment.

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

Toxicity to fish:

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

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

Aquatic invertebrates:

EC50 (96 h) 0.0544 mg/l, *Americamysis bahia*No observed effect concentration (21 d) > 0.000088 mg/l, *Daphnia magna*

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

Aquatic plants:

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

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-.alpha.-(4-trifluoromethylstyryl)-.alpha.-(4-trifluoromethyl)cinnamylidenehydrazone

Assessment transport between environmental compartments:

No data available.

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.

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-.alpha.-(4-trifluoromethylstyryl)-.alpha.-(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.

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13. Disposal Considerations

Must 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

Domestic transport:

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

Further information

Hazchem Code:2Z
IERG Number:47

Sea transport

IMDG

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

Air transport

IATA/ICAO

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

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.

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15. Regulatory Information

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

Poisons Schedule: Drugs & Poisons, Schedule 5

R-phrases(s)

R52/53

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases(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.

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 = 47194, 56013

16. Other Information

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

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.