

Safety Data
Sheet**AMBRANDS****Section 1: Identification****Product identifier****Product Name** • AMDRO® Fire Ant Bait**Synonyms** • EPA Reg. No. 73342-1**Relevant identified uses of the substance or mixture and uses advised against****Recommended use** • Ant control; Insecticide**Restrictions on use** • Keep out of reach of children. Do not apply this product in a way that will contact any person or pet, either directly or through drift. Keep people and pets out of area during application. Do not use on crops, vegetables, timber or turf grown for sale or other commercial use, or for commercial seed product or for research purposes.**Details of the supplier of the safety data sheet****Manufacturer** • Ambrands
1000 Parkwood Circle, Suite 700
Atlanta, GA 30339
United States
www.amdro.com**Emergency telephone number****Manufacturer** • 1-800-265-0761 - Ambrands**Manufacturer** • 1-800-424-9300 - CHEMTREC**Manufacturer (Transportation)** • 1-703-527-3887 - Chemtrec US collect calls accepted**Section 2: Hazard Identification****United States (US)**

According to OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture**OSHA HCS 2012** • Reproductive Toxicity 1B - H360
Combustible Dust
Eye Mild Irritation 2B - H320**Label elements****OSHA HCS 2012****DANGER****Hazard statements** • May form combustible dust concentrations in air.

May damage fertility or the unborn child. - H360
 Eye Mild Irritation 2B - H320

Precautionary statements

- Prevention**
- Obtain special instructions before use. - P201
 - Do not handle until all safety precautions have been read and understood. - P202
 - Wear protective gloves/protective clothing/eye protection/face protection. - P280
 - Wash thoroughly after handling. - P264
- Response**
- IF exposed or concerned: Get medical advice/attention. - P308+P313
 - If eye irritation persists: Get medical advice/attention. - P337+P313
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. - P305+P351+P338
- Storage/Disposal**
- Store locked up. - P405
 - Refer to Section 13 - Disposal Considerations
 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. - P501

Other hazards

- OSHA HCS 2012
- This product is toxic to fish.

Section 3 - Composition/Information on Ingredients

Substances

- Material does not meet the criteria of a substance.

Mixtures

Composition		
Chemical Name	Identifiers	%
Hydramethylnon	CAS:67485-29-4	0.73%
Other ingredients	NDA	> 15%
Defatted Grits	NDA	70% TO 80%

Section 4: First-Aid Measures

Description of first aid measures

- Inhalation**
- Give artificial respiration if victim is not breathing. Call a physician or poison control center. IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing.
- Skin**
- IF ON SKIN: Wash with plenty of soap and water. If irritation develops and persists, get medical attention.
- Eye**
- If eye irritation persists: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Ingestion**
- Call a physician or poison control center immediately. Have person sip a glass of water if able to swallow. If swallowed, do NOT induce vomiting unless directed to do so by medical personnel.

Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information. Mild eye irritation, may damage fertility

or the unborn child.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

- Treat symptomatically and supportively.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media • Use water, foam, carbon dioxide, or dry chemical.

Unsuitable Extinguishing Media • Avoid heavy hose streams.

Firefighting Procedures • **LARGE FIRES:** Dike fire control water for later disposal; do not scatter the material. As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Move containers from fire area if you can do it without risk. Stay upwind. Do not breathe gas/fumes/vapour/spray. Do not walk through spilled material. Combustible dust - use low-pressure medium fog streams to avoid dust clouds. Eliminate ignition sources.

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Hazardous Combustion Products • Hazardous decomposition may occur during thermal decomposition, generating, carbon oxides, nitrogen oxides, hydrofluoric acid, fluorine, halogenated hydrocarbons and hydrocarbons.

Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection. Do not allow run-off to enter waterways.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions • Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate enclosed areas. Keep all sources of ignition away and avoid creating dusty conditions. Do not walk through spilled material. Use appropriate Personal Protective Equipment (PPE)

Emergency Procedures • **ELIMINATE** all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep unauthorized personnel away. Ventilate closed spaces before entering. Contain spill and monitor for excessive dust accumulation.

Environmental precautions

- Prevent entry into waterways, sewers, basements or confined areas. Runoff from fire control or dilution water may cause pollution.

Methods and material for containment and cleaning up

Containment/Clean-up Measures • Carefully shovel or sweep up spilled material and place in suitable container. Clean up spill immediately. Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in suitable container. Dike far ahead of spill to collect runoff water. Wear appropriate personal protective equipment, avoid direct contact.

Section 7 - Handling and Storage

Precautions for safe handling

Handling • Use good safety and industrial hygiene practices. Use only in well ventilated areas. Avoid breathing dust. Avoid contact with skin, eyes, and clothing. Minimize dust generation and accumulation. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Wear appropriate personal protective

equipment, avoid direct contact.

Conditions for safe storage, including any incompatibilities

Storage

- Store locked up. Keep only in original container. Keep only in the original container/package in a cool well-ventilated place. Keep out of reach of children. Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Store container away from pets. Use within 3 months after opening. Ventilate enclosed areas.

Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines

- It is recommended that dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment.

Exposure controls

Engineering Measures/Controls

- Local exhaust ventilation. Ensure that dust handling systems (such as exhaust ducts, dust collectors, vessels and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is not leakage from the equipment). It is recommended that dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Use only appropriately classified electrical equipment.

Personal Protective Equipment

Pictograms



Respiratory

- If airborne dust is present, use appropriate respiratory protection.

Eye/Face

- Wear safety goggles.

Hands

- Wear protective gloves (chemical-resistant).

Skin/Body

- Wear long sleeves and/or protective coveralls.

Environmental Exposure Controls

- Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Refer to Section 13 - Disposal Considerations.

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Yellow-tan, free-flowing granules having an odor characteristic of vegetable oil.
Color	Yellow-tan, free-flowing granules.	Odor	characteristic of vegetable oil.
Taste	No data available.	Particulate Type	No data available
Particulate Size	No data available	Aerosol Type	No data available
Odor Threshold	No data available	Physical and Chemical Properties	No data available

General Properties

Boiling Point	No data available	Melting Point	No data available
Decomposition Temperature	No data available	Heat of Decomposition	No data available
Specific Gravity/Relative Density	No data available	Density	No data available
Bulk Density	240 to 384 kg/m ³	Water Solubility	No data available
Solvent Solubility	No data available	Viscosity	No data available
Explosive Properties	Combustible Dust.	Oxidizing Properties:	No data available

Flammability

Flash Point	> 220 F(> 104.4444 C) STCC (Seta Test/Seta Flash Closed Cup) (in liquid form)	UEL	No data available
LEL	No data available	Autoignition	404 C(759.2 F)
Self-Accelerating Decomposition Temperature (SADT)	404 C(759.2 F)	Flammability (solid, gas)	Some may burn but none ignite readily.

Environmental

Half-Life	No data available	Octanol/Water Partition coefficient	No data available
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Section 10: Stability and Reactivity**Reactivity**

- No data available.

Chemical stability

- Stable under normal temperatures and pressures.

Possibility of hazardous reactions

- Hazardous polymerization not indicated. May form combustible dust concentrations in the air.

Conditions to avoid

- Heat, sparks, open flame.

Incompatible materials

- Strong acids, strong bases, and oxidizing agents.

Hazardous decomposition products

- Hazardous decomposition may occur due to thermal decomposition, generating, carbon oxides, nitrogen oxides, hydrofluoric acid, fluorine, halogenated hydrocarbons and hydrocarbons.

Section 11 - Toxicological Information**Information on toxicological effects**

AMDRO® Fire Ant Bait	Acute Toxicity: Ingestion/Oral-Rat LD50 • >5000 mg/kg • Comments: Practically non-toxic by ingestion in a single dose; Skin-Rat LD50 • >5000 mg/kg; Irritation: Eye-Rabbit • Essentially non-irritating
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GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral - Classification criteria not met

Aspiration Hazard	OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	OSHA HCS 2012 • Not classified - data lacking
Skin corrosion/Irritation	OSHA HCS 2012 • Classification criteria not met
Skin sensitization	OSHA HCS 2012 • Classification criteria not met
STOT-RE	OSHA HCS 2012 • Classification criteria not met
STOT-SE	OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction	OSHA HCS 2012 • Toxic to Reproduction 1B
Respiratory sensitization	OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	OSHA HCS 2012 • Eye Mild Irritation 2B

Route(s) of entry/exposure • Inhalation, Skin, Eye, Ingestion

Potential Health Effects

Inhalation

Acute (Immediate)

- Exposure to dust may cause irritation.

Chronic (Delayed)

- No data available.

Skin

Acute (Immediate)

- Exposure to dust may cause irritation.

Chronic (Delayed)

- No data available.

Eye

Acute (Immediate)

- Exposure to dust may cause irritation. Excessive concentrations of nuisance dust in the workplace may reduce visibility and may cause unpleasant deposits in eyes.

Chronic (Delayed)

- No data available.

Ingestion

Acute (Immediate)

- Excessive concentrations of nuisance dust in the workplace may cause mechanical irritation to mucous membranes.

Chronic (Delayed)

- No data available.

Mutagenic Effects

- No data available.

Carcinogenic Effects

- No data available.

Reproductive Effects

- Repeated and prolonged exposure may cause reproductive effects.

Section 12 - Ecological Information

Toxicity

Hydramethylnon			
Dosage	Species	Duration	Results
= 0.09 mg/L	Fish: Oncorhynchus mykiss	0 to 96 Hour(s)	LC50
= 0.0111 mg/L	Algae: Green algae	0 to 72 Hour(s)	EC50
= 0.0544 mg/L	Crustacea: Daphnia magna	0 to 48 Hour(s)	EC50
= 0.0001 mg/L	Crustacea: Daphnia magna	0 to 21 Day(s)	NOEC
= 1828 ppm	Other: Bobwhite quail	NDA	LC50

= 68 µg/bee	Other: Honey bee	NDA	LC50
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Persistence and degradability

- No data available.

Bioaccumulative potential

- No data available.

Mobility in Soil

- No data available.

Results of PBT and vPvB assessment

- PBT and vPvB assessment has not been carried out.

Other adverse effects

- This pesticide is toxic to fish.

Section 13 - Disposal Considerations

Waste treatment methods

Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. Do not allow into any sewer on the ground, or into any body of water.

Packaging waste

- Completely empty bag into application equipment, dispose of empty bag in sanitary landfill or by incineration. Do not breathe smoke if burned. Do not reuse or refill this container. Nonrefillable container. Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class(es)	Packing group	Environmental hazards
DOT	None	Consumer commodity	ORM-D	None	Marine Pollutant
	UN3077	Environmentally Hazardous Substance, Solid, N.O.S. (contains hydramethylnon)	9	III	Marine Pollutant
IMO/IMDG	UN3077	Environmentally Hazardous Substance, Solid, N.O.S. (contains hydramethylnon)	9	III	Marine Pollutant
IATA/ICAO	UN3077	Environmentally Hazardous Substance, Solid, N.O.S. (contains hydramethylnon)	9	III	Acute Aquatic Toxicity

Special precautions for user • None known.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code • No Data Available.

Other information

IMO/IMDG • No data available

IATA/ICAO • No data available

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • SARA Title III Section 313, Acute, Chronic**FIFRA – Pesticide Labeling**

This material is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

CAUTION**Precautionary Statements** • Keep out of reach of children.

Hazards to Humans and Domestic Animals • Commercial Use: HAZARDS TO HUMANS: Personal Protective Equipment (PPE) Applicators and other handlers must wear: long-sleeve shirt and long pants, socks and shoes. User Safety Recommendations: Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside, then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards • This product is toxic to fish. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment or washwaters.

• STORAGE AND DISPOSAL (Non-Residential Use Packaging): Prohibitions: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Pesticide Storage: Store in a cool, dry, secure place and keep container tightly closed. Store container away from pets. This product is formulated in oil bait. Prolonged exposure to air may turn oil rancid and reduce the attractiveness of the bait. Use within 3 months after opening. Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Container Disposal: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning, or offer for recycling if available. If burned, stay out of smoke. General: Consult Federal, State, or local disposal authorities for approved alternative procedures.

Inventory		
Component	CAS	TSCA
Hydramethylnon	67485-29-4	No

United States**Environment**

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Hydramethylnon	67485-29-4	1.0 % de minimis concentration
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United States - California**Environment**

U.S. - California - Proposition 65 - Developmental Toxicity

• Hydramethylnon	67485-29-4	developmental toxicity, initial date 3/5/99
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U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Hydramethylnon	67485-29-4	120 µg/day MADL (oral)
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U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• Hydramethylnon	67485-29-4	male reproductive toxicity, initial date 3/5/99
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Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.
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Section 16 - Other Information

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| Last Revision Date | <ul style="list-style-type: none">• 22/September/2014 |
| Preparation Date | <ul style="list-style-type: none">• 12/May/2014 |
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