

SAFETY DATA SHEET



MAXFORCE® COMPLETE BRAND GRANULAR INSECT BAIT

Version 2.1 / USA
102000021972

1/10
Revision Date: 02/09/2018
Print Date: 02/10/2018

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Trade name MAXFORCE® COMPLETE BRAND GRANULAR INSECT BAIT

Product code (UVP) 79695888

SDS Number 102000021972

EPA Registration No. 432-1255

Relevant identified uses of the substance or mixture and uses advised against

Use Insecticide

Restrictions on use See product label for restrictions.

Information on supplier

Supplier Bayer Environmental Science
2 T.W. Alexander Drive
Research Triangle PK, NC 27709
USA

Responsible Department Email: SDSINFO.BCS-NA@bayer.com

Emergency telephone no.

**Emergency Telephone
Number (24hr/ 7 days)** 1-800-334-7577

**Product Information
Telephone Number** 1-800-331-2867

SECTION 2: HAZARDS IDENTIFICATION

Classification in accordance with regulation HCS 29CFR §1910.1200

Specific target organ toxicity - repeated exposure: Category 1
Reproductive toxicity: Category 1B

Labelling in accordance with regulation HCS 29CFR §1910.1200



Signal word: Danger

Hazard statements

May damage fertility or the unborn child.
Causes damage to organs through prolonged or repeated exposure.

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Precautionary statements

Do not handle until all safety precautions have been read and understood.
Obtain special instructions before use.
Wear protective gloves/ protective clothing/ eye protection/ face protection.
Do not breathe dust.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
IF exposed or concerned: Get medical advice/ attention.
Store locked up.
Dispose of contents/container in accordance with local regulation.

Hazards Not Otherwise Classified (HNOC)

No physical hazards not otherwise classified.
No health hazards not otherwise classified.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Component Name | CAS-No. | Concentration % by weight |
|--------------------------|------------|---------------------------|
| Hydramethylnon | 67485-29-4 | 1.0 |

SECTION 4: FIRST AID MEASURES

Description of first aid measures

| | |
|-----------------------|---|
| General advice | When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment. |
| Inhalation | Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison control center immediately. |
| Skin contact | Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or poison control center immediately. |
| Eye contact | Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or poison control center immediately. |
| Ingestion | Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave victim unattended. |

Most important symptoms and effects, both acute and delayed

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| | |
|---|---|
| Symptoms | To date no symptoms are known. |
| Indication of any immediate medical attention and special treatment needed | |
| Treatment | Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended. There is no specific antidote. |

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

Suitable Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable None known.

Special hazards arising from the substance or mixture Dangerous gases are evolved in the event of a fire.

Advice for firefighters

Special protective equipment for firefighters Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

Further information Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

Flash point Not applicable

Auto-ignition temperature No data available

Lower explosion limit Not applicable

Upper explosion limit Not applicable

Explosivity No data available

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Precautions Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces.

Methods and materials for containment and cleaning up

Methods for cleaning up Avoid dust formation. Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean contaminated floors and objects thoroughly, observing environmental regulations.

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| | |
|------------------------------------|---|
| Additional advice | Use personal protective equipment. If the product is accidentally spilled, do not allow to enter soil, waterways or waste water canal. |
| Reference to other sections | Information regarding safe handling, see section 7. Information regarding personal protective equipment, see section 8. Information regarding waste disposal, see section 13. |

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

| | |
|--|--|
| Advice on safe handling | Avoid dust formation. Ensure adequate ventilation. |
| Advice on protection against fire and explosion | Dust may form explosive mixture in air. Keep away from heat and sources of ignition. |
| Hygiene measures | Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics. Remove Personal Protective Equipment (PPE) immediately after handling this product. Before removing gloves clean them with soap and water. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing. |

Conditions for safe storage, including any incompatibilities

| | |
|--|--|
| Requirements for storage areas and containers | Store in original container and out of the reach of children, preferably in a locked storage area. Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed. |
|--|--|

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

No known occupational limit values.

Exposure controls

Personal protective equipment

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

| | |
|-------------------------------|--|
| Respiratory protection | When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations. |
| Hand protection | Chemical resistant nitrile rubber gloves |
| Eye protection | Safety glasses with side-shields |

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| | |
|------------------------------------|---|
| Skin and body protection | Wear long-sleeved shirt and long pants and shoes plus socks. |
| General protective measures | Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water. Keep and wash PPE separately from other laundry. |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|--|
| Appearance | yellow-brown to brown |
| Physical State | granular |
| Odor | characteristic |
| Odour Threshold | No data available |
| pH | No data available |
| Vapor Pressure | No data available |
| Vapor Density (Air = 1) | No data available |
| Bulk density | 20 - 26 lb/ft ³ |
| Evaporation rate | Not applicable |
| Boiling Point | Not applicable |
| Melting / Freezing Point | Not applicable |
| Water solubility | Not applicable |
| Minimum Ignition Energy | No data available |
| Decomposition temperature | No data available |
| Partition coefficient: n-octanol/water | Not applicable |
| Viscosity | Not applicable |
| Flash point | Not applicable |
| Auto-ignition temperature | No data available |
| Lower explosion limit | Not applicable |
| Upper explosion limit | Not applicable |
| Explosivity | No data available |
| Other information | Further safety related physical-chemical data are not known. |

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SECTION 10: STABILITY AND REACTIVITY

Reactivity

| | |
|---|--|
| Thermal decomposition | No data available |
| Chemical stability | Stable under recommended storage conditions. |
| Possibility of hazardous reactions | No hazardous reactions when stored and handled according to prescribed instructions. |
| Conditions to avoid | Extremes of temperature and direct sunlight. |
| Incompatible materials | No data available |
| Hazardous decomposition products | No decomposition products expected under normal conditions of use. |

SECTION 11: TOXICOLOGICAL INFORMATION

| | |
|--------------------------|---|
| Exposure routes | Skin contact, Ingestion |
| Immediate Effects | |
| Skin | Harmful if absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. |

Information on toxicological effects

| | |
|----------------------------------|---|
| Acute oral toxicity | LD50 (Rat) > 5,000 mg/kg |
| Acute inhalation toxicity | No data available |
| Acute dermal toxicity | LD50 (Rabbit) > 2,000 mg/kg |
| Skin irritation | Slight irritant effect - does not require labelling. (Rabbit) |
| Eye irritation | No eye irritation (Rabbit) |
| Sensitisation | Non-sensitizing. (Guinea pig) |

Assessment STOT Specific target organ toxicity – repeated exposure

Hydramethylnon caused specific target organ toxicity in experimental animal studies in the following organ(s): Testes, Kidney.

Assessment mutagenicity

Hydramethylnon was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

Assessment carcinogenicity

Hydramethylnon was not carcinogenic in lifetime feeding studies in rats and mice.

ACGIH

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None.

NTP

None.

IARC

None.

OSHA

None.

Assessment toxicity to reproduction

Hydramethylnon caused reproduction toxicity in a two-generation study in rats only at dose levels also toxic to the parent animals. Hydramethylnon caused testicular damage and male infertility.

Assessment developmental toxicity

Hydramethylnon caused developmental toxicity only at dose levels toxic to the dams. Hydramethylnon caused a delayed foetal growth.

Further information

Acute toxicity studies have been bridged from a similar formulation(s).
The non-acute information pertains to the active ingredient(s).

SECTION 12: ECOLOGICAL INFORMATION

| | |
|--|--|
| Toxicity to fish | LC50 (Ictalurus punctatus (Channel catfish)) 0.09 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient hydramethylnon. |
| Toxicity to aquatic invertebrates | NOEC (Daphnia magna (Water flea)) 0.000088 mg/l Exposure time: 21 Days The value mentioned relates to the active ingredient hydramethylnon. EC50 (Mysidopsis bahia (mysid shrimp)) 0.0544 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient hydramethylnon. |
| Toxicity to aquatic plants | EC50 (Scenedesmus quadricauda (Green algae)) 0.01112 mg/l Exposure time: 72 h The value mentioned relates to the active ingredient hydramethylnon. |
| Biodegradability | Hydramethylnon: Not rapidly biodegradable |
| Koc | Hydramethylnon: Koc: 730000 |
| Bioaccumulation | Hydramethylnon: Bioconcentration factor (BCF) 34,900 Does not bioaccumulate. |

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|----------------------------------|--|
| Mobility in soil | Hydramethylnon: Immobile in soil |
| Environmental precautions | Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Apply this product as specified on the label. |

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

| | |
|-------------------------------|---|
| Product | Pesticide, spray mixture or rinse water that cannot be used according to label instructions may be disposed of on site or at an approved waste disposal facility. Never place unused product down any indoor or outdoor drain. |
| Contaminated packaging | Do not re-use empty containers. Place empty container in trash. Follow advice on product label and/or leaflet. |
| RCRA Information | Characterization and proper disposal of this material as a special or hazardous waste is dependent upon Federal, State and local laws and are the user's responsibility. RCRA classification may apply. |

SECTION 14: TRANSPORT INFORMATION

| | |
|--------------------------|--|
| 49CFR | Not dangerous goods / not hazardous material |
| IMDG | |
| UN number | 3077 |
| Class | 9 |
| Packaging group | III |
| Marine pollutant | YES |
| Proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (HYDRAMETHYLNON MIXTURE) |
| IATA | |
| UN number | 3077 |
| Class | 9 |
| Packaging group | III |
| Environm. Hazardous Mark | YES |
| Proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (HYDRAMETHYLNON MIXTURE) |

This transportation information is not intended to convey all specific regulatory information relating to this

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product. It does not address regulatory variations due to package size or special transportation requirements.

Freight Classification: INSECTICIDES OR FUNGICIDES, N.O.I., OTHER THAN POISON

SECTION 15: REGULATORY INFORMATION

EPA Registration No. 432-1255

US Federal Regulations

TSCA list

None.

US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)

None.

SARA Title III - Section 302 - Notification and Information

None.

SARA Title III - Section 313 - Toxic Chemical Release Reporting

Hydramethylnon 67485-29-4

US States Regulatory Reporting

CA Prop65

This product does not contain any substances known to the State of California to cause cancer.

This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

| | | |
|----------------|------------|--------------------------|
| Hydramethylnon | 67485-29-4 | Developmental toxin. |
| Hydramethylnon | 67485-29-4 | Male reproductive toxin. |

US State Right-To-Know Ingredients

| | | |
|----------------|------------|----|
| Hydramethylnon | 67485-29-4 | NJ |
|----------------|------------|----|

Canadian Regulations

Canadian Domestic Substance List

None.

Environmental

CERCLA

None.

Clean Water Section 307 Priority Pollutants

None.

Safe Drinking Water Act Maximum Contaminant Levels

None.

EPA/FIFRA Information:

This chemical is a pesticide product registered by the 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, and for workplace labels of non-pesticide chemicals. Following is the hazard information required on the pesticide label:

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Signal word: Caution!

Hazard statements: Harmful if absorbed through skin.
Avoid contact with skin, eyes and clothing.
Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms

| | |
|---------|---|
| 49CFR | Code of Federal Regulations, Title 49 |
| ACGIH | US. ACGIH Threshold Limit Values |
| ATE | Acute toxicity estimate |
| CAS-Nr. | Chemical Abstracts Service number |
| CERCLA | Comprehensive Environmental Response, Compensation, and Liability Act |
| EINECS | European inventory of existing commercial substances |
| ELINCS | European list of notified chemical substances |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| N.O.S. | Not otherwise specified |
| NTP | US. National Toxicology Program (NTP) Report on Carcinogens |
| OECD | Organization for Economic Co-operation and Development |
| TDG | Transportation of Dangerous Goods |
| TWA | Time weighted average |
| UN | United Nations |
| WHO | World health organisation |

NFPA 704 (National Fire Protection Association):

Health - 1 Flammability - 1 Instability - 0 Others - none

HMIS (Hazardous Materials Identification System, based on the Third Edition Ratings Guide)

Health - 1 Flammability - 1 Physical Hazard - 0 PPE -

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

Reason for Revision: The following sections have been revised: Section 9: Physical and Chemical Properties. Reviewed and updated for general editorial purposes.

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