



**MAXFORCE® PROFESSIONAL INSECT CONTROL®  
ROACH KILLER BAIT GEL**

Version 3.0 / USA  
102000001393

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Revision Date: 09/08/2014  
Print Date: 02/09/2015

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

**Product identifier**

**Trade name** MAXFORCE® PROFESSIONAL INSECT CONTROL® ROACH KILLER  
BAIT GEL

**Product code (UVP)** 05938384

**SDS Number** 102000001393

**EPA Registration No.** 432-1254

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

**Use** Insecticide

**Restrictions on use** See product label for restrictions.

**Information on manufacturer**

Bayer Environmental Science  
2 T.W. Alexander Drive  
Research Triangle PK, NC 27709  
United States

**Emergency telephone no.**

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

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

**SDS Information or Request** SDSINFO.BCS-NA@bayer.com

**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



**Signal word:** Danger

**Hazard statements**

Causes damage to organs (kidneys, testes) through prolonged or repeated exposure.

May damage fertility or the unborn child.



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**Precautionary statements**

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

**Other hazards**

No other hazards known.

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Hazardous Component Name</b>	<b>CAS-No.</b>	<b>Concentration % by weight</b>
Hydramethylnon	67485-29-4	2.15
Oleic acid	112-80-1	2.15
Starch	9005-25-8	1.00

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**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** Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. 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.

**Most important symptoms and effects, both acute and delayed**



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<b>Symptoms</b>	Local:, To date no symptoms are known. Systemic:, May cause stuffy or runny nose and scratchy throat., Lacrimation, Lethargy, Diarrhoea
<b>Indication of any immediate medical attention and special treatment needed</b>	
<b>Treatment</b>	There is no specific antidote. Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended.

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**SECTION 5: FIREFIGHTING MEASURES**

**Extinguishing media**

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

**Unsuitable** High volume water jet

**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 fire-fighters** In the event of fire and/or explosion do not breathe fumes. 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** no data available

**Autoignition temperature** no data available

**Lower explosion limit** no data available

**Upper explosion limit** no data available

**Explosivity** not applicable

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**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** The nature of this product, when contained in commercial packs, makes spillage unlikely. However, if significant amounts are spilled nevertheless, the following advice is applicable. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.

**Additional advice** Use personal protective equipment. 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.

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**SECTION 7: HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice. Ensure adequate ventilation.

**Advice on protection against fire and explosion** No special precautions required.

**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 a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Keep away from direct sunlight. Protect from freezing.

**Advice on common storage** Keep away from food, drink and animal feedingstuffs.

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

Components	CAS-No.	Control parameters	Update	Basis
Hydramethylnon	67485-29-4	1.4ug/m3 (AN ESL)	07 2011	TX ESL
Hydramethylnon	67485-29-4	14ug/m3 (ST ESL)	07 2011	TX ESL
Starch	9005-25-8	10 mg/m3 (TWA)	02 2012	ACGIH
Starch (Respirable.)	9005-25-8	5 mg/m3 (REL)	2010	NIOSH
Starch (Total)	9005-25-8	10 mg/m3 (REL)	2010	NIOSH
Starch (Total dust.)	9005-25-8	15 mg/m3 (PEL)	02 2006	OSHA Z1
Starch (Respirable fraction.)	9005-25-8	5 mg/m3 (PEL)	02 2006	OSHA Z1
Starch (Respirable fraction.)	9005-25-8	5 mg/m3 (TWA)	1989	OSHA Z1A
Starch (Total dust.)	9005-25-8	15 mg/m3 (TWA)	1989	OSHA Z1A
Starch (Respirable fraction.)	9005-25-8	5 mg/m3 (TWA)	06 2008	TN OEL
Starch (Total dust.)	9005-25-8	15 mg/m3 (TWA)	06 2008	TN OEL
Starch (Particulate.)	9005-25-8	50ug/m3 (ST ESL)	02 2013	TX ESL
Starch (Particulate.)	9005-25-8	5ug/m3 (AN ESL)	02 2013	TX ESL

No control parameters known.

**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**

Tightly fitting safety goggles

**Skin and body protection**

Wear long-sleeved shirt and long pants and shoes plus socks.



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**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.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	brown
<b>Physical State</b>	gel
<b>Odor</b>	odourless
<b>Odour Threshold</b>	no data available
<b>pH</b>	6.5 - 7.5
<b>Vapor Pressure</b>	no data available
<b>Vapor Density (Air = 1)</b>	no data available
<b>Density</b>	ca. 1.10 g/cm <sup>3</sup>
<b>Evaporation rate</b>	no data available
<b>Boiling Point</b>	no data available
<b>Melting / Freezing Point</b>	no data available
<b>Water solubility</b>	partly soluble
<b>Minimum Ignition Energy</b>	not applicable
<b>Decomposition temperature</b>	no data available
<b>Partition coefficient: n-octanol/water</b>	no data available
<b>Viscosity</b>	ca. 140,000 - 300,000 mPa.s at 25 °C
<b>Flash point</b>	no data available
<b>Autoignition temperature</b>	no data available
<b>Lower explosion limit</b>	no data available
<b>Upper explosion limit</b>	no data available
<b>Explosivity</b>	not applicable

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**SECTION 10: STABILITY AND REACTIVITY**

**Reactivity**

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

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**SECTION 11: TOXICOLOGICAL INFORMATION**

**Exposure routes** Ingestion, Skin Absorption, Eye contact

**Immediate Effects**

**Eye** Moderate eye irritation.

**Skin** Harmful if absorbed through skin.

**Ingestion** Harmful if swallowed.

**Information on toxicological effects**

**Acute oral toxicity** LD50 (rat) > 5,000 mg/kg

**Acute dermal toxicity** LD50 (rabbit) > 2,000 mg/kg

**Skin irritation** No skin irritation (rabbit)

**Eye irritation** No eye irritation (rabbit)

**Sensitisation** Non-sensitizing. (guinea pig)  
OECD Test Guideline 406, Buehler test

**Assessment repeated dose toxicity**

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

**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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Starch 9005-25-8 Group A4

**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).

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**SECTION 12: ECOLOGICAL INFORMATION**

<b>Toxicity to fish</b>	LC50 (Rainbow trout ( <i>Oncorhynchus mykiss</i> )) 0.16 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient hydramethylnon.
<b>Toxicity to aquatic invertebrates</b>	EC50 (Water flea ( <i>Daphnia magna</i> )) 1.14 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient hydramethylnon.
<b>Toxicity to aquatic plants</b>	EC50 ( <i>Selenastrum capricornutum</i> ) 0.005 - 0.018 mg/l Exposure time: 72 h The value mentioned relates to the active ingredient hydramethylnon.
<b>Biodegradability</b>	Hydramethylnon: ; not rapidly biodegradable
<b>Koc</b>	Hydramethylnon: Koc: 730000
<b>Bioaccumulation</b>	Hydramethylnon: Bioconcentration factor (BCF) 34,900; Does not bioaccumulate.
<b>Mobility in soil</b>	Hydramethylnon: Immobile in soil
<b>Environmental precautions</b>	Do not allow to get into surface water, drains and ground water. 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.





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**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

<b>Product</b>	Follow container label instructions for disposal of wastes generated during use in compliance with the product label. Never place unused product down any indoor or outdoor drain.
<b>Contaminated packaging</b>	Do not re-use empty containers. Place empty container in trash. Follow advice on product label and/or leaflet.
<b>RCRA Information</b>	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.

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**SECTION 14: TRANSPORT INFORMATION**

<b>49CFR</b>	Not dangerous goods / not hazardous material
<b>IMDG</b>	
UN number	<b>3082</b>
Class	9
Packaging group	III
Marine pollutant	YES
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HYDRAMETHYLNON SOLUTION)
<b>IATA</b>	
UN number	<b>3082</b>
Class	9
Packaging group	III
Environm. Hazardous Mark	YES
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HYDRAMETHYLNON SOLUTION )

This transportation information is not intended to convey all specific regulatory information relating to this product. It does not address regulatory variations due to package size or special transportation requirements.

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**SECTION 15: REGULATORY INFORMATION**



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**EPA Registration No.** 432-1254

**US Federal Regulations**

**TSCA list**

Oleic acid 112-80-1  
Starch 9005-25-8

**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**

Hydamethylnon 67485-29-4 25,000lbs

**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.

Hydamethylnon 67485-29-4 Developmental toxin.  
Hydamethylnon 67485-29-4 Male reproductive toxin.

**US State Right-To-Know Ingredients**

Hydamethylnon 67485-29-4 NJ  
Oleic acid 112-80-1 RI  
Starch 9005-25-8 MN

**Canadian Regulations**

**Canadian Domestic Substance List**

Oleic acid 112-80-1  
Starch 9005-25-8

**Environmental**

**CERCLA**

None.

**Clean Water Section 307 Priority Pollutants**

None.

**Safe Drinking Water Act Maximum Contaminant Levels**

None.

**International Regulations**

**European Inventory of Existing Commercial Substances (EINECS)**

Starch 9005-25-8

**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 swallowed or absorbed through skin.  
Moderate eye irritation.  
Avoid contact with skin, eyes and clothing.  
Keep exposed gel away from open food and food contact surfaces.

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**SECTION 16: OTHER INFORMATION**

**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:** Revised according to the current OSHA Hazard Communication Standard (29CFR1910.1200)

**Revision Date:** 09/08/2014

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