Material Safety Data Sheet
MAXFORCE® ROACH KILLER BAIT GEL

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: MAXFORCE® ROACH KILLER BAIT GEL
MSDS Number: 102000001393
PCP Registration No.: 24240

Bayer CropScience Inc
#100 - 3131 - 114th Avenue SE
Calgary, AB T2Z 3X2
Canada

For MEDICAL, TRANSPORTATION or other EMERGENCY call: 1-800-334-7577 (24 hours/day)
For Product Information call: 1-888-283-6847

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Component Name</th>
<th>CAS-No.</th>
<th>Average % by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydramethylinon</td>
<td>67485-29-4</td>
<td>2.15</td>
</tr>
<tr>
<td>Oleic acid</td>
<td>112-80-1</td>
<td>2.04</td>
</tr>
<tr>
<td>Starch</td>
<td>9005-25-8</td>
<td>1.00</td>
</tr>
</tbody>
</table>

SECTION 3. HAZARDS IDENTIFICATION

NOTE: Please refer to Section 11 for detailed toxicological information.

Emergency Overview
Warning! Poison. Harmful if swallowed. Avoid contact with skin, eyes and clothing. Keep exposed gel away from open food and food contact surfaces.

Physical State
gel

Odor
odourless

Appearance
brown

Routes of Exposure
Ingestion, Skin contact, Eye contact

Immediate Effects
Eye
May be minimally irritating following prolonged direct contact.

Skin
May be minimally irritating following prolonged direct contact. Avoid contact with skin and clothing.
Ingestion

Harmful if swallowed. Do not take internally.

Chronic or Delayed
Long-Term

This product or its components may have target organ effects. This product or its components may have long term (chronic) health effects.

SECTION 4. FIRST AID MEASURES

General

When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.

Eye

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.

Skin

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.

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.

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.

Notes to Physician Treatment

There is no specific antidote. Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended.

SECTION 5. FIRE FIGHTING MEASURES

Flash point

no data available

Autoignition Temperature

no data available

Lower Flammability Limit

no data available

Upper Flammability Limit

no data available

Explosiveness

no data available

Fire and Explosion Hazards

Dangerous gases are evolved in the event of a fire.
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Suitable Extinguishing Media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media
High volume water jet

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

In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

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

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). 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.

SECTION 7. HANDLING AND STORAGE

Handling Procedures
No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice. Use only in area provided with appropriate exhaust ventilation.

Storing Procedures
Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, 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.

Keep away from food, drink and animal feedingstuffs.

Work/Hygienic Procedures
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.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General Protection
Follow all label instructions. Train employees in safe use of the product.

Eye/Face Protection
Tightly fitting safety goggles

Hand Protection
Chemical resistant nitrile rubber gloves

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

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.

Exposure Limits

<table>
<thead>
<tr>
<th>Starch</th>
<th>OEL (QUE)</th>
<th>TWA</th>
<th>10 mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CAD AB OEL</td>
<td>TWA</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td></td>
<td>CAD BC OEL</td>
<td>TWA</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td></td>
<td>CAD BC OEL</td>
<td>TWA</td>
<td>3 mg/m³</td>
</tr>
<tr>
<td></td>
<td>CAD ON OEL</td>
<td>TWA</td>
<td>10 mg/m³</td>
</tr>
</tbody>
</table>

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance  brown
Physical State  gel
Odor  odourless
pH  6.5 - 7.5
Vapor Pressure  no data available
Vapor Density (Air = 1)  no data available
Density  approx. 1.10 g/cm³ at 20 °C
Evaporation rate  no data available
Boiling Point  no data available
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Melting / Freezing Point  no data available
Water solubility  partly soluble
Minimum Ignition Energy  no data available
Partition coefficient: n-octanol/water  no data available

SECTION 10. STABILITY AND REACTIVITY

Conditions to Avoid  Extremes of temperature and direct sunlight.
Incompatibility  no data available
Hazardous Decomposition Products  toxic gases/vapours
Hazardous Reactions  No hazardous reactions when stored and handled according to prescribed instructions. Stable under recommended storage conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

Only acute toxicity studies have been performed on this product as formulated. The non-acute information pertains to the technical-grade active ingredient, hydramethylnon.

Acute Oral Toxicity  rat: LD50: > 5,000 mg/kg
Acute Dermal Toxicity  rabbit: LD50: > 2,000 mg/kg
Skin Irritation  rabbit: No skin irritation.
Eye Irritation  rabbit: No eye irritation.
Sensitization  guinea pig: Non-sensitizing.
Chronic Toxicity  Hydramethylnon caused testicular and/or lung effects in chronic studies in mice, rats and dogs.

Assessment Carcinogenicity  Hydramethylnon has been classified by U.S. EPA as a Group C-possible human carcinogen based on lung tumors observed in mice. Rats treated with hydramethylnon did not show a carcinogenic potential.

ACGIH  9005-25-8  Group A4
Starch
NTP
Reproductive & Developmental Toxicity

REPRODUCTION: Hydramethylnon is a reproductive toxicant at doses producing systemic toxicity.

DEVELOPMENTAL TOXICITY: Hydramethylnon was not a primary developmental toxicant in rats and rabbits. Developmental effects were observed but were considered secondary to maternal toxicity.

Neurotoxicity

Hydramethylnon neurotoxicity studies are not required at this time.

Mutagenicity

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

SECTION 12. ECOLOGICAL INFORMATION

Environmental Precautions

Do not allow to get into surface water, drains and ground water. Apply this product as specified on the label.

SECTION 13. DISPOSAL CONSIDERATIONS

General Disposal Guidance

It is best to use all of the product in accordance with label directions. If it is necessary to dispose of unused product, please follow container label instructions and applicable local guidelines. Never place unused product down any indoor or outdoor drain.

Container Disposal

Do not re-use empty containers. Place empty container in trash. Follow advice on product label and/or leaflet.

SECTION 14. TRANSPORT INFORMATION

TDG (Canada):
Not regulated for road or rail.

SECTION 15. REGULATORY INFORMATION

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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
Hydramethylnon 67485-29-4 1.0%

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
Oleic acid 112-80-1 RI
Starch 9005-25-8 IL, MN, RI

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.

SECTION 16. OTHER INFORMATION
NFPA 704 (National Fire Protection Association):
Health - 1 Flammability - 1 Reactivity - 1 Others - none
0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

Reason to Revise: Updated Section 2: Composition / Information on Ingredients.

Prepared by the HSE Department of Bayer CropScience Inc. (306)-721-0310.
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Revision Date: 05/01/2008

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