SECTION 1: Identification

1.1. Identification

Product form: Mixture
Name: ProBait Formulation for Professionals
Synonyms: EPA Reg. No.: 73342-1-2724, 24500B, 24510C

1.2. Recommended use and restrictions on use

Recommended use: Insecticide.
Restrictions on use: Keep out of reach of children. Avoid contact with eyes, skin or clothing. Do not use or store near heat or open flame.

1.3. Supplier

Wellmark International
1501 E. Woodfield Road, Suite 200W
Schaumburg, IL 60173 - United States
www.zoecon.com

1.4. Emergency telephone number

Emergency number: 1-800-248-7763
1-800-424-9300 - CHEMTREC
1-703-527-3887 - CHEMTREC - Outside North America - Collect Calls Accepted

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification
Serious eye damage/eye irritation Category 2B
Reproductive toxicity Category 1B
Combustible Dust
Causes eye irritation
May damage fertility or the unborn child
May form combustible dust concentrations in air

2.2. GHS Label elements, including precautionary statements

GHS US labeling
Hazard pictograms (GHS US):

Signal word (GHS US): Danger
Hazard statements (GHS US): May form combustible dust concentrations in air
Causes eye irritation
May damage fertility or the unborn child
Precautionary statements (GHS US):
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wash hands, forearms and face thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If exposed or concerned: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Store locked up.
Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

2.3. Other hazards which do not result in classification

Other hazards which do not result in classification: This pesticide is toxic to fish and aquatic invertebrates. Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.
2.4. Unknown acute toxicity (GHS US)
Not applicable

SECTION 3: Composition/Information on ingredients
3.1. Substances
Not applicable
3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydramethylnon</td>
<td>(CAS-No.) 67485-29-4</td>
<td>0.73</td>
</tr>
<tr>
<td>Defatted Grits</td>
<td>(CAS-No.) N/A</td>
<td>70 – 80</td>
</tr>
<tr>
<td>Non-hazardous and/or does not meet criteria for classification</td>
<td>(CAS-No.) N/A</td>
<td>Balance</td>
</tr>
</tbody>
</table>

SECTION 4: First-aid measures
4.1. Description of first aid measures
First-aid measures after inhalation : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact : IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice and attention.
First-aid measures after ingestion : IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel.

4.2. Most important symptoms and effects (acute and delayed)
Symptoms/effects after eye contact : May cause mild eye irritation.
Chronic symptoms : May damage fertility or the unborn child.

4.3. Immediate medical attention and special treatment, if necessary
Treat symptomatically.

SECTION 5: Fire-fighting measures
5.1. Suitable (and unsuitable) extinguishing media
Unsuitable extinguishing media : Avoid heavy hose streams.

5.2. Specific hazards arising from the chemical
Exposure hazard : Dust cloud can be ignited by a spark. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
Reactivity : This material is friable and can create small dust particles during any handling, processing, and transfer operations. This material can form explosive dust/air suspensions that are ignitable under some conditions.

5.3. Special protective equipment and precautions for fire-fighters
Firefighting instructions : Combustible dust - use low-pressure medium fog streams to avoid dust clouds. Ventilate closed spaces before entering. Eliminate ignition sources.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures
6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel

6.1.2. For emergency responders
Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: Exposure controls/personal protection.
Emergency procedures: Use grounded electrical/mechanical equipment. Contain spill and monitor for excessive dust accumulation. Turn off electric power to area. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Evacuate unnecessary personnel.

### 6.2. Environmental precautions
Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up
Methods for cleaning up: Use appropriate PPE. Sweep or scoop spills, dispose of any unusable material in approved landfill. 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. Non-sparking tools should be used.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling
Precautions for safe handling: Ensure good ventilation of the work station. Wear personal protective equipment. Avoid dust formation. Avoid contact with skin, eyes and clothing. Finely divided: keep away from ignition sources/sparks.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Store in a well-ventilated place. Do not store near heat or open flame. Keep container closed when not in use. Store in a cool dry place. Store locked up.

Incompatible products: Heat.


### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

<table>
<thead>
<tr>
<th>Defatted Grits (N/A)</th>
<th>ACGIH OEL TWA</th>
<th>3 mg/m³ Respirable particles, 10 mg/m³ Inhalable particles (as Particulates Not Otherwise Classified (PNOC))</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>OSHA PEL TWA  [1]</td>
<td>5 mg/m³ Respirable fraction, 15 mg/m³ Total dust (as Particulates Not Otherwise Classified (PNOC))</td>
</tr>
</tbody>
</table>

#### 8.2. Appropriate engineering controls
Appropriate engineering controls: Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values. 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.

Environmental exposure controls: Avoid release to the environment.

#### 8.3. Individual protection measures/Personal protective equipment

**Hand protection:**
Protective gloves

**Eye protection:**
Safety glasses

**Skin and body protection:**
Applicators and other handlers must wear long sleeved shirt and long pants, socks and shoes

**Respiratory protection:**
In case of insufficient ventilation, use NIOSH approved respiratory protection.
## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Yellow-tan, free-flowing granules</td>
</tr>
<tr>
<td>Color</td>
<td>Yellow-tan</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic of vegetable oil</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>Approx. 6 in 2% aq. solution</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability</td>
<td>Non-flammable</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapor density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Bulk density</td>
<td>240 – 384 kg/m³</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble in water</td>
</tr>
<tr>
<td>Partition coefficient n-octanol/water (Log Pow)</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>May form combustible dust concentrations in the air</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

### 9.2. Other information

SADT : 404°C (759.2°F)

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

This material is friable and can create small dust particles during any handling, processing, and transfer operations. This material can form explosive dust/air suspensions that are ignitable under some conditions.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur. May form combustible dust concentrations in the air.

### 10.4. Conditions to avoid


### 10.5. Incompatible materials


### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.
**SECTION 11: Toxicological information**

### 11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>ProBait Formulation for Professionals</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral</td>
<td>&gt; 5000 mg/kg (Female rats)</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
</tbody>
</table>

#### GHS-US Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (oral)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Acute toxicity (dermal)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Acute toxicity (inhalation)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Causes eye irritation.</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>Not classified</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>May damage fertility or the unborn child.</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity (repeated exposure)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

**Potential health effects**

**Inhalation**

- Acute: Exposure to dust may cause mild respiratory irritation.

**Skin**

- Acute: Exposure to dust may cause mechanical irritation.

**Eye**

- Acute: May cause mild eye irritation.

**Ingestion**

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

**Mutagenicity**

- Hydramethylnon is not a mutagen.

**Carcinogenicity**

- Hydramethylnon is not classified as a carcinogen by IARC or NTP.

**Reproductive Effects**

- Hydramethylnon may cause adverse effects on reproduction. Hydramethylnon does not cause birth defects.

### SECTION 12: Ecological information

#### 12.1 Toxicity

<table>
<thead>
<tr>
<th>Hydramethylnon (67485-29-4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 Acute fish 1</td>
</tr>
<tr>
<td>EC50 Acute crustacea 1</td>
</tr>
<tr>
<td>NOEC Chronic crustacea 1</td>
</tr>
<tr>
<td>NOEC (acute)</td>
</tr>
</tbody>
</table>

**12.2 Persistence and degradability**

- No data available

**12.3 Bioaccumulative potential**

- No data available

**12.4 Mobility in soil**

- No data available

**12.5 Other adverse effects**

<table>
<thead>
<tr>
<th>ProBait Formulation for Professionals</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecological Fate</td>
<td>This pesticide is toxic to fish and aquatic invertebrates.</td>
</tr>
</tbody>
</table>
SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

SECTION 14: Transport information

<table>
<thead>
<tr>
<th>UN number</th>
<th>Proper Shipping Name</th>
<th>Transport hazard class(es)</th>
<th>Packing group</th>
<th>Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not applicable</td>
</tr>
<tr>
<td>IMDG</td>
<td>UN3077</td>
<td>Packaging greater than 5 kg: Environmentally Hazardous Substance, Solid, N.O.S. (Hydramethylnon)</td>
<td>9</td>
<td>III Marine pollutant</td>
</tr>
<tr>
<td>IATA</td>
<td>UN3077</td>
<td>Packaging greater than 5 kg: Environmentally Hazardous Substance, Solid, N.O.S. (Hydramethylnon)</td>
<td>9</td>
<td>III Acute aquatic toxicity</td>
</tr>
</tbody>
</table>

SECTION 15: Regulatory information

15.1. US Federal regulations

Hydramethylnon (67485-29-4)
Subject to reporting requirements of United States SARA Section 313
SARA Section 313 - Emission Reporting 1 %

EPA Labelling

EPA Registration Number 73342-1-2724

This chemical 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.

FIFRA Hazard statements Caution
FIFRA Precautionary statements KEEP OUT OF REACH OF CHILDREN.
FIFRA Hazards to Humans and Domestic Animals Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.
FIFRA Environmental hazards This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water. Do not contaminate water when cleaning equipment or disposing of equipment washwaters. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

15.2. US State regulations

No additional information available

SECTION 16: Other information

Issue date: 01 May 2006
Revision date: 06 September 2022
Supersedes: 16 April 2020

Indication of changes:
Revised Sec. 15: EPA label language.

SDS US (GHS HazCom 2012) - CGP

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