Safety Data Sheet

Section 1: Identification

Product identifier

Product Name • **ProBait Formulation for Professionals**

Synonyms • 24500B; 24510C; EPA Reg. No.: 73342-1-2724

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. Avoid contact with skin and eyes. Keep away from heat, sparks and flames.

Details of the supplier of the safety data sheet

Manufacturer • Wellmark International

1501 E. Woodfield Road, Suite 200W
Schaumburg, IL 60173
United States

www.zoecon.com

Emergency telephone number

Manufacturer • 1-800-248-7763

Manufacturer (Transportation) • 1-800-424-9300 - CHEMTREC

Manufacturer (Transportation) • 1-703-527-3887 - CHEMTREC - Outside North America - 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 • Combustible Dust
Eye Mild Irritation 2B

Label elements

OSHA HCS 2012

WARNING

Hazard statements • May form combustible dust concentrations in air.
Eye Mild Irritation 2B

Precautionary statements

Prevention • Wash thoroughly after handling.

Response • 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/attention.

Other hazards

OSHA HCS 2012

- This product is toxic to fish. Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

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%
Defatted Grits	NDA	70% TO 75%
Other ingredients	NDA	Balance

Section 4: First-Aid Measures

Description of first aid measures

Inhalation

- IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. Call a physician or poison control center.

Skin

- IF ON SKIN: Wash with plenty of soap and water. If irritation develops and persists, get medical attention.

Eye

- 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/attention.

Ingestion

- IF SWALLOWED: Call a POISON CONTROL center or doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting unless directed by medical personnel.

Most important symptoms and effects, both acute and delayed

- Causes mild eye irritation. Refer to Section 11 - Toxicological Information.

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 or CO2.

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).

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

- 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.

Incompatible Materials or Ignition Sources

- Keep away from combustible and flammable materials. Oxidizing agents. Heat and direct sunlight.

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 supression 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 supression system or an oxygen-deficient environment. Use only appropriately classified electrical equipment.

Personal Protective Equipment

Pictograms

- 

Respiratory

- If airborne dust is present or in case of inadequate ventilation, use appropriate NIOSH approved 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

- Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Yellow-tan, free-flowing granules.
Color	Yellow-tan	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/Freezing Point	No data available
Decomposition Temperature	No data available	Heat of Decomposition	No data available
pH	Approx. 6 in 2% aq. solution	Specific Gravity/Relative Density	No data available
Density	No data available	Bulk Density	15 to 24 lb(s)/ft³ (240-384 kg/m3)
Water Solubility	Insoluble	Solvent Solubility	No data available
Viscosity	No data available	Explosive Properties	Combustible Dust.
Oxidizing Properties:	No data available		
Flammability			
Flash Point	Not relevant	UEL	No data available
LEL	No data available	Autoignition	399 to 409 °C(750.2 to 768.2 °F)
Self-Accelerating Decomposition Temperature (SADT)	No data available	Flammability (solid, gas)	No data available
Environmental			
Half-Life	No data available	Octanol/Water Partition coefficient	No data available

Section 10: Stability and Reactivity

Reactivity

- DUST EXPLOSION DATA: This material has been tested in a 20-liter spherical bomb (per NFPA 68-1978) and has been found to be a Class 1 dust explosion hazard. <1% of this material passed through a 200 mesh screen for explosion testing after being ground up. If the material is further processed, the dust explosion hazard may change and it should be retested.

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

Components		
Hydramethylnon (0.73%)	67485-29-4	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • 817-1502 mg/kg; Inhalation-Rat LC50 • 2.9 mg/L 4 Hour(s); Skin-Rabbit LD50 • >2000 mg/kg; **Irritation:** Eye-Rabbit • Moderate irritation; Skin-Rabbit • Essentially non-irritating

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
Skin corrosion/Irritation	**OSHA HCS 2012** • Classification criteria not met
Serious eye damage/Irritation	**OSHA HCS 2012** • Eye Mild Irritation 2B
Skin sensitization	**OSHA HCS 2012** • Classification criteria not met
Respiratory sensitization	**OSHA HCS 2012** • 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
Toxicity for Reproduction	**OSHA HCS 2012** • Classification criteria not met
STOT-SE	**OSHA HCS 2012** • Classification criteria not met
STOT-RE	**OSHA HCS 2012** • Classification criteria not met

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 mechanical 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
- Hydramethylnon is not a mutagen.

Carcinogenic Effects
- 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

Toxicity

Components		
Hydramethylnon (0.73%)	67485-29-4	**Aquatic Toxicity-Fish:** 96 Hour(s) LC50 *Rainbow Trout* 0.16 mg/L [Acute] **Aquatic Toxicity-Crustacea:** 48 Hour(s) EC50 Water Flea *Daphnia magna* 1.14 mg/L [Acute] **Aquatic Toxicity-Algae and Other Aquatic Plant(s):** EC50 Algae 1.4 µg/L [Acute]

Persistence and degradability
- No data available.

Bioaccumulative potential
- No data available.

Mobility in Soil
- No data available.

Other adverse effects
Potential Environmental 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
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. See product label for disposal instructions.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class(es)	Packing group	Environmental hazards
DOT	UN3077	Bulk packaging only: Environmentally Hazardous Substance, Solid, N.O.S. (Hydramethylnon)	9	III	Marine Pollutant
IMO/IMDG	UN3077	Packaging 5 kg. or greater: Environmentally Hazardous Substance, Solid, N.O.S. (Hydramethylnon)	9	III	Marine Pollutant
IATA/ICAO	UN3077	Packaging 5 kg. or greater: Environmentally Hazardous Substance, Solid, N.O.S. (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

Hazard Statements • Keep out of reach of children.

Precautionary Statements •

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, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

Inventory		
Component	**CAS**	**TSCA**
Defatted Grits	68525-86-0	Yes
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
• Defatted Grits	68525-86-0	Not Listed

Section 16 - Other Information

Revision Date	• 29/March/2016
Last Revision Date	• 29/March/2016
Preparation Date	• 29/March/2016
Disclaimer/Statement of Liability	• The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.