Safety Data Sheet

Section 1: Identification

Product identifier

Product Name **Assurance Fire Ant Bait**

Synonyms EPA Reg. No.: 95939-1

Product Description Pale yellow granule.

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

Recommended use Ant bait.

Restrictions on use Keep out of reach of children. Avoid contact with eyes, skin, or clothing.

Details of the supplier of the safety data sheet

Manufacturer
Assurance Fire Ant Bait LLC
7326 SW 32nd St
Ocala, FL 34474
United States

Emergency telephone number

Manufacturer • 1-800-280-2687

Manufacturer • 1-800-424-9300 - CHEMTREC

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

Label elements

OSHA HCS 2012

WARNING

Hazard statements • May form combustible dust concentrations in air.

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

Mixtures

Material does not meet the criteria of a substance.

Composition		
Chemical Name	**Identifiers**	**%**
(S)-Methoprene	**CAS:**40596-69-8	0.5%
Defatted Grits	NDA	88.97%
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 if symptoms persist.

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: Rinse mouth. Do NOT induce vomiting. Get medical attention if symptoms occur.

Most important symptoms and effects, both acute and delayed

- 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, foam, carbon dioxide, or dry chemical.

Unsuitable Extinguishing Media
Avoid heavy hose streams.

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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/vapor/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
May decompose upon heating to produce toxic gases or fumes.

Advice for firefighters

Wear positive pressure self-contained breathing apparatus (SCBA).
Structural firefighters' protective clothing will only provide limited protection.
Do not allow run-off to enter waterways.

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 for later disposal.

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. Ventilate enclosed areas. Keep container tightly closed.

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 suppression system or an oxygen-deficient environment.

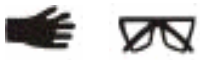
Exposure controls

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

Personal Protective Equipment

Pictograms



Respirator

If airborne dust is present or in case of inadequate ventilation, use appropriate respiratory protection.

Eye/Face

Wear safety goggles.

Hands

Wear protective gloves (chemical-resistant).

Skin/Body

It is recommended for handlers to wear appropriate clothing to prevent skin contact including long sleeves, long pants, socks, and shoes.

Environmental Exposure Controls

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. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release, and release to waterways. Refer to Section 13 - Disposal Considerations.

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Pale yellow granule.
Color	Pale yellow.	Odor	Earthy, corn-like.
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	Not relevant	Specific Gravity/Relative Density	No data available
Density	No data available	Bulk Density	21 lb(s)/ft³
Water Solubility	Insoluble	Solvent Solubility	No data available
Viscosity	Not relevant	Explosive Properties	Combustible Dust.
Oxidizing Properties:	No data available		
Flammability			
Flash Point	Not relevant	UEL	No data available
LEL	No data available	Autoignition	No data available
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

- No data available.

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

- Thermal decomposition may produce toxic vapors and/or gases.

Section 11 - Toxicological Information

Information on toxicological effects

Components		
(S)-Methoprene (0.5%)	40596-69-8	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • >34000 mg/kg; Inhalation-Rat LC50 • 5.19 mg/L; Skin-Rabbit LD50 • >5000 mg/kg; **Irritation:** Eye-Rabbit • Essentially non-irritating; 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** • Classification criteria not met
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 irritation.

Chronic (Delayed) • No data available.

Eye

Acute (Immediate) • Exposure to dust may cause irritation.

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 • Methoprene has been tested and found negative for mutagenicity potential.

Carcinogenic Effects • Methoprene is not classified as carcinogen by NTP, IARC and OSHA.

Reproductive Effects • Methoprene is not a teratogenic compound. The NOEL for maternal and embryotoxicity in rabbits was 200 mg/kg/day. The NOEL for reproductive effects in rats was 500 ppm.

Section 12 - Ecological Information

Toxicity

Components		
(S)-Methoprene (0.5%)	40596-69-8	**Aquatic Toxicity-Fish:** 96 Hour(s) LC50 *Rainbow Trout* 0.76 mg/L [Acute] 96 Hour(s) LC50 *Blue Gill* >0.37 mg/L [Acute] NOEC *Fathead minnow* 0.048 mg/L [Chronic] **Aquatic Toxicity-Crustacea:** NOEC *Mysid shrimp* 0.014 mg/L [Chronic] 96 Hour(s) LC50 *Mysid shrimp* 0.11 mg/L [Acute] 48 Hour(s) LC50 *Daphnia magna* 0.36 mg/L [Acute]

Persistence and degradability

Methoprene degrades rapidly in sunlight, both in water and on inert surfaces. The pesticide also is metabolized rapidly in soil and does not leach. Thus, it should not persist in soil or contaminate ground water.

Bioaccumulative potential No data available.

Mobility in Soil (s)-Methoprene: 10-14 days, rapidly hydrolyzed in soil.

Other adverse effects No data available.

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.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	Not Applicable	Not Regulated	Not Applicable	Not Applicable	Not Applicable
IMO/IMDG	Not Applicable	Not Regulated	Not Applicable	Not Applicable	Not Applicable
IATA/ICAO	Not Applicable	Not Regulated	Not Applicable	Not Applicable	Not Applicable

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 None

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

Precautionary Statements

Keep out of reach of children.

Hazards to Humans and Domestic Animals

HAZARDS TO HUMANS AND DOMESTIC ANIMALS - CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

First Aid

If in Eyes: • 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 poison control center or doctor for treatment advice.

Environmental Hazards

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

Section 16 - Other Information

Preparation Date

September 11, 2020

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