Safety Data Sheet

Section 1: Identification

Product identifier

Product Name
- Extinguish Plus

Synonyms
- 100501900; 100518540; 24550; 24560; 24570; EPA Reg. No 2724-496

Product Description
- Pale yellow granule.

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

Recommended use
- Pesticide

Restrictions on use
- KEEP OUT OF REACH OF CHILDREN. Avoid contact with skin, eyes, or clothing.

Details of the supplier of the safety data sheet

Manufacturer
- Wellmark International
  1501 E. Woodfield Road, Suite 200 West
  Schaumburg, IL 60173
  United States
  www.prestrike.com

Emergency telephone number

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

Manufacturer (Transportation)
- 1-703-527-3887 - CHEMTREC - Outside North America - Collect Calls Accepted

Manufacturer
- 1-800-347-8272

Section 2: Hazard Identification

United States (US)
According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012
- Reproductive Toxicity 1B
- Combustible Dust
- Skin Sensitization 1B

Label elements
OSHA HCS 2012

DANGER
Hazard statements • May damage fertility or the unborn child.
May form combustible dust concentrations in air.
May cause an allergic skin reaction

Precautionary statements

Prevention • 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.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves.
Avoid breathing dust, fume, gas, mist, vapors and/or spray.

Response • IF exposed or concerned: Get medical advice/attention.
Specific treatment, see supplemental first aid information.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.

Storage/Disposal • Store locked up.
Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Other hazards

OSHA HCS 2012 • This product is toxic to fish.

Section 3 - Composition/Information on Ingredients

Substances

• Material does not meet the criteria of a substance.

Mixtures

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Identifiers</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydroquinone, tert-butyl-</td>
<td>CAS:1948-33-0</td>
<td>0.05%</td>
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<tr>
<td>(s)-Methoprene</td>
<td>CAS:65733-16-6</td>
<td>0.25%</td>
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<tr>
<td>Hydramethylnon</td>
<td>CAS:67485-29-4</td>
<td>0.36%</td>
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<tr>
<td>Defatted Grits</td>
<td>CAS:68525-86-0</td>
<td>85% TO 95%</td>
</tr>
<tr>
<td>Other ingredients</td>
<td>NDA</td>
<td>Balance</td>
</tr>
</tbody>
</table>

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. If signs/symptoms continue, get medical attention.

Skin • IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

Eye • IF IN EYES: Rinse with water for several minutes. If eye irritation persists: Get medical advice/attention.
### 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.

#### 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**
- Thermal decomposition may produce hydrogen fluoride and oxides of carbon and nitrogen.

#### Advice for firefighters
- Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters’ protective clothing will only provide limited protection. Runoff from fire control may cause pollution. 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. Do not walk through spilled material. Keep all sources of ignition away and avoid creating dusty conditions. Use appropriate Personal Protective Equipment (PPE) Ventilate enclosed areas.

**Emergency Procedures**
- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Contain spill and monitor for excessive dust accumulation. Avoid unnecessary personnel and equipment traffic in the spill area.

#### Environmental precautions
- Avoid run off to waterways and sewers.

#### Methods and material for containment and cleaning up
Containment/Clean-up Measures

- Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust. Use clean nonsparking tools to collect material.

Section 7 - Handling and Storage

Precautions for safe handling

Handling

- Wear appropriate personal protective equipment, avoid direct contact. Avoid breathing dust. Avoid contact with skin, eyes, and clothing. Do not use in areas without adequate ventilation. Take precautionary measures against static charges. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Wear appropriate personal protective equipment including long-sleeved shirt, long pants, chemical resistant gloves, shoes and socks. Avoid direct contact.

Conditions for safe storage, including any incompatibilities

Storage

- Do not contaminate water, food, or feed by storage or disposal. Store in cool, dry, secure place. Keep container tightly closed. Store container away from pets. This product is formulated with oil. Prolonged exposure to air may turn oil rancid and reduce the attractiveness of the bait. Use within 3 months after opening. Store locked up.

Section 8 - Exposure Controls/Personal Protection

Control parameters

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

- ![Respiratory](image)

Respiratory

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

Eye/Face

- Wear safety goggles.

Hands

- Wear appropriate gloves.

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. Follow best practice for site management and disposal of waste.
Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Material Description</th>
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<tbody>
<tr>
<td><strong>Physical Form</strong></td>
<td>Solid</td>
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<tr>
<td><strong>Appearance/Description</strong></td>
<td>Pale yellow granule.</td>
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<tr>
<td><strong>Color</strong></td>
<td>Pale yellow.</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>mild; corn-like.</td>
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<tr>
<td><strong>Odor Threshold</strong></td>
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<table>
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<th>General Properties</th>
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<tr>
<td><strong>Boiling Point</strong></td>
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<tr>
<td><strong>Melting Point/Freezing Point</strong></td>
<td>No data available</td>
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<td><strong>Decomposition Temperature</strong></td>
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<tr>
<td><strong>Specific Gravity/Relative Density</strong></td>
<td>1.08 g/cc</td>
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<tr>
<td><strong>Water Solubility</strong></td>
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<tr>
<td><strong>Viscosity</strong></td>
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</table>

<table>
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<th>Volatility</th>
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<tr>
<td><strong>Vapor Pressure</strong></td>
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<tr>
<td><strong>Vapor Density</strong></td>
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<tr>
<td><strong>Evaporation Rate</strong></td>
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<table>
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<td><strong>LEL</strong></td>
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<tr>
<td><strong>Heat of Combustion (ΔHc)</strong></td>
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<tr>
<td><strong>Flammability (solid, gas)</strong></td>
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<table>
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<tr>
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<tbody>
<tr>
<td><strong>Octanol/Water Partition coefficient</strong></td>
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Section 10: Stability and Reactivity

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.

Chemical stability

- Stable under normal temperatures and pressures.

Possibility of hazardous reactions

- Hazardous polymerization not indicated.

Conditions to avoid

- Heat, sparks, open flame.

Incompatible materials

- Strong oxidizers.

Hazardous decomposition products

- Thermal decomposition may produce hydrogen fluoride and oxides of carbon and nitrogen.

Section 11 - Toxicological Information

Information on toxicological effects
### Acute Toxicity

**Extinguish Plus**

**CAS:** NDA

**Acute Toxicity:** Ingestion/Oral-Rat LD50 • >5010 mg/kg 14 Day(s); Skin-Guinea Pig • 5 Week(s) • Comments: Weak skin sensitizer.; Skin-Rabbit LD50 • >5010 mg/kg 14 Day(s);

**Irritation:** Eye-Rabbit • 0.1 g 72 Hour(s) • Essentially non-irritating; Skin-Rabbit • 0.5 g 7 Day(s) • Mild irritation

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### GHS Properties

<table>
<thead>
<tr>
<th>Classification</th>
<th>Classifications</th>
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<tbody>
<tr>
<td>Acute toxicity</td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td>Skin corrosion/Irritation</td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td>Serious eye damage/Irritation</td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>OSHA HCS 2012 • Skin Sensitizer 1B</td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
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<tr>
<td>Aspiration Hazard</td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
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<td>Carcinogenicity</td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
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<td>Germ Cell Mutagenicity</td>
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<td>Toxicity for Reproduction</td>
<td>OSHA HCS 2012 • Toxic to Reproduction 1B</td>
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<tr>
<td>STOT-SE</td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
<tr>
<td>STOT-RE</td>
<td>OSHA HCS 2012 • Classification criteria not met</td>
</tr>
</tbody>
</table>

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### 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):** May cause an allergic reaction in individuals with a sensitivity to tertiary butylhydroquinone.
- **Chronic (Delayed):** No data available

#### Eye

- **Acute (Immediate):** Exposure to dust may cause mechanical irritation.
- **Chronic (Delayed):** No data available

#### Ingestion

- **Acute (Immediate):** No data available.
- **Chronic (Delayed):** No data available

#### Reproductive Effects

- Repeated and prolonged exposure may cause reproductive effects.

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### Section 12 - Ecological Information

#### Toxicity

<table>
<thead>
<tr>
<th>Components</th>
<th>Aquatic Toxicity-Fish: 96 Hour(s) LC50 Rainbow Trout 0.76 mg/L [Acute] 96 Hour(s) LC50 Bluegill &gt;0.37 mg/L [Acute] NOEC Fathead Minnow 0.048 mg/L [Chronic] Aquatic Toxicity-Crustacea: NOEC Mysid Shrimp 0.014 mg/L [Chronic] 48 Hour(s) LC50 Daphnia 0.36 mg/L [Acute]</th>
</tr>
</thead>
<tbody>
<tr>
<td>(s)-Methoprene (0.25%)</td>
<td>65733-16-6</td>
</tr>
</tbody>
</table>
Hydramethylnon (0.36%)  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**
- Methoprene degrades rapidly in sunlight, both in water and on inert surfaces. The pesticide also is metabolized rapidly in soil and does not leach.

**Bioaccumulative potential**
- No data available.

**Mobility in Soil**
- Methoprene: 10-14 days, rapidly hydrolyzed in soil.

**Other adverse effects**

**Potential Environmental Effects**
- This product 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 empty into drains.

**Packaging waste**
- Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent). 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>UN 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 applicable</td>
<td>Not regulated</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>IMO/IMDG</td>
<td>UN3077</td>
<td>Packaging 5 kg or greater: Environmentally Hazardous Substance, Solid, N.O.S. (contains hydramethylnon)</td>
<td>9</td>
<td>III</td>
</tr>
<tr>
<td>IATA/ICAO</td>
<td>UN3077</td>
<td>Packaging 5 kg or greater: Environmentally Hazardous Substance, Solid, N.O.S. (contains hydramethylnon)</td>
<td>9</td>
<td>III</td>
</tr>
</tbody>
</table>

**Special precautions for user**
- None specified.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
- Not relevant.

**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

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION: Avoid contact with skin or clothing. Wash hands thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

First Aid

IF ON SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-347-8272 for emergency medical treatment information.

User Safety Recommendations: Users should: Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. After handling this product, immediately wash the outside of gloves before removing them, then remove gloves and all other PPE. Immediately wash thoroughly and change into clean clothing.

Environmental Hazards

This product is toxic to fish. 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 wash waters. Do not apply when weather conditions favor drift from target areas.

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>TSCA</th>
</tr>
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<tbody>
<tr>
<td>(s)-Methoprene</td>
<td>65733-16-6</td>
<td>No</td>
</tr>
<tr>
<td>Defatted Grits</td>
<td>68525-86-0</td>
<td>Yes</td>
</tr>
<tr>
<td>Hydramethylnon</td>
<td>67485-29-4</td>
<td>No</td>
</tr>
<tr>
<td>Hydroquinone, tert-butyl-</td>
<td>1948-33-0</td>
<td>Yes</td>
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</table>

United States

Environment

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

- Hydroquinone, tert-butyl- 1948-33-0 Not Listed
- Hydramethylnon 67485-29-4 1.0 % de minimis concentration
- Defatted Grits 68525-86-0 Not Listed
- (s)-Methoprene 65733-16-6 Not Listed
## Section 16 - Other Information

### Revision Summary

<table>
<thead>
<tr>
<th>Revision Date</th>
<th>MSDS Number</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>28/February/2018</td>
<td></td>
<td>Section 14 revised</td>
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</tbody>
</table>

**Revision Date**  
• 28/February/2018

**Last Revision Date**  
• 06/April/2016

**Preparation Date**  
• 24/October/2014

**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.