



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 THE 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

Composition		
Chemical Name	Identifiers	%
Hydroquinone, tert-butyl-	CAS:1948-33-0	0.05%
(s)-Methoprene	CAS:65733-16-6	0.25%
Hydramethylnon	CAS:67485-29-4	0.36%
Other ingredients	NDA	> 15%
Defatted Grits	CAS:68525-86-0	85% TO 95%

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.

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

- May cause allergic skin reaction. (Tertiary butylhydroquinone is a skin sensitizer), may damage fertility or the unborn child. 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.

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**

- 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

Material Description			
Physical Form	Solid	Appearance/Description	Pale yellow granule.
Color	Pale yellow.	Odor	mild; corn-like.
Odor Threshold	No data available		
General Properties			
Boiling Point	No data available	Melting Point/Freezing Point	No data available
Decomposition Temperature	No data available	pH	No data available
Specific Gravity/Relative Density	1.08 g/cc	Bulk Density	0.31 g/cc (19 lbs per cubic foot)
Water Solubility	Insoluble	Viscosity	Not relevant
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		
Flammability			
Flash Point	Not relevant	UEL	No data available
LEL	No data available	Heat of Combustion (ΔH_c)	No data available
Flammability (solid, gas)	Data lacking		
Environmental			
Octanol/Water Partition coefficient	No data available		

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

	CAS	
Extinguish Plus	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

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • 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 • Skin Sensitizer 1B
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 • Classification criteria not met
Toxicity for Reproduction	OSHA HCS 2012 • Toxic to Reproduction 1B
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)** • 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.

Section 12 - Ecological Information

Toxicity

Components		
(s)-Methoprene (0.25%)	65733-16-6	Aquatic Toxicity-Fish: 96 Hour(s) LC50 <i>Rainbow Trout</i> 0.76 mg/L [Acute] 96 Hour(s) LC50 <i>Bluegill</i> >0.37 mg/L [Acute] NOEC <i>Fathead Minnow</i> 0.048 mg/L [Chronic] Aquatic Toxicity-Crustacea: NOEC <i>Mysid Shrimp</i> 0.014 mg/L [Chronic] 48 Hour(s) LC50 <i>Daphnia</i> 0.36 mg/L [Acute]

Hydramethylnon (0.36%)	67485-29-4	Aquatic Toxicity-Fish: 96 Hour(s) LC50 <i>Rainbow Trout</i> 0.16 mg/L [Acute] Aquatic Toxicity-Crustacea: 48 Hour(s) EC50 Water Flea <i>Daphnia magna</i> 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

	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. (contains hydramethylnon)	9	III	Marine Pollutant
IMO/IMDG	UN3077	Packaging 5 kg or greater: Environmentally Hazardous Substance, Solid, N.O.S. (contains hydramethylnon)	9	III	Marine Pollutant
IATA/ICAO	UN3077	Packaging 5 kg or greater: Environmentally Hazardous Substance, Solid, N.O.S. (contains hydramethylnon)	9	III	Acute Aquatic Toxicity

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 • KEEP OUT OF THE REACH OF CHILDREN.

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.

Inventory		
Component	CAS	TSCA
(s)-Methoprene	65733-16-6	No
Defatted Grits	68525-86-0	Yes
Hydramethylnon	67485-29-4	No
Hydroquinone, tert-butyl-	1948-33-0	Yes

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**

Revision Date	MSDS Number	Changes
06/April/2016		• Section 14 changed.

Revision Date • 06/April/2016

Last Revision Date • 24/October/2014

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.