



**FIRELINE Durable Water Repellent**

**1 PRODUCT AND COMPANY IDENTIFICATION**

**Product Identifier:** FIRELINE Durable Water Repellent  
**SDS Number:** 5148  
**Revision Date:** 12/13/2017  
**Product Description:** Durable moisture repellent for Fire Fighter's Turnouts  
**Instructions:** Mix or shake well before each use.  
**Supplier Details:** Winsol Laboratories Inc  
1417 NW 51st St  
Seattle, WA 98107  
**Emergency:** INFOTRAC 1-800-535-5053 (North America); 1-352-323-3500 (International)  
**Phone:** 206-782-5500  
**Web:** www.winsol.com

**2 HAZARDS IDENTIFICATION**

**Classification of the substance or mixture**

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):**

Physical, Flammable Liquids, 4  
Health, Aspiration hazard, 1  
Health, Skin corrosion/irritation, 2  
Health, Specific target organ toxicity - Single exposure, 3

**GHS Label elements, including precautionary statements**

**GHS Signal Word:** **DANGER**

**GHS Hazard Pictograms:**



**GHS Hazard Statements:**

H227 - Combustible liquid  
H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H335 - May cause respiratory irritation

**GHS Precautionary Statements:**

P102 - Keep out of reach of children.  
P103 - Read label before use.  
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
P281 - Use personal protective equipment as required.  
P301 - IF SWALLOWED: Call physician and/or transport to emergency facility immediately.  
P302 - IF ON SKIN: Prolonged or repeated and confined exposure may cause skin irritation. Wash contaminated clothing and footwear before reuse.  
P304 - IF INHALED: Remove to fresh air. If breathing is difficult, give oxygen. Perform artificial respiration if breathing has stopped.  
P305 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists consult medical personnel.



### FIRELINE Durable Water Repellent

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

##### Ingredients:

Cas#	%	Chemical Name
64742-48-9	>90%	Naphtha, petroleum, hydrotreated heavy
0	>1%	Perfluorinated polymer 1

"0" equals no Cas# available/trade secret

The exact percentage (or concentration) of ingredients has been withheld as a trade secret.

Composition Comments: Components and trace elements not listed are either non-hazardous or are below reportable limits.

#### 4 FIRST AID MEASURES

<b>Inhalation:</b>	Remove to fresh air. If breathing is difficult, give oxygen. Perform artificial respiration if breathing has stopped.
<b>Skin Contact:</b>	Prolonged or repeated and confined exposure may cause skin irritation. If skin irritation or a rash occurs: Get medical advice/attention. Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Wash contaminated clothing and footwear before reuse.
<b>Eye Contact:</b>	Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists consult medical personnel.
<b>Ingestion:</b>	Call physician and/or transport to emergency facility immediately. Swallowing can cause gastrointestinal irritation, nausea, vomiting and diarrhea. If vomiting occurs, chemicals can be aspirated into the lungs, which can cause chemical pneumonia and systemic effects.

NOTE TO PHYSICIAN: because rapid absorption may occur through lungs if aspirated and cause systemic effects, the decision of whether to induce vomiting or not should be made by a physician.

#### 5 FIRE FIGHTING MEASURES

**Flammability:** Combustible

**Suitable Extinguishing Media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water, CO<sub>2</sub>, Foam, Dry Powder.

**Unsuitable Extinguishing Media:** Caution: use of water stream when fighting fire may be inefficient. Large Fire: General extinguishing powder.

**Specific Hazards during Fire Fighting:** In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact. Thermal decomposition can lead to release of irritating and toxic gases and vapors. Heat from fire can generate flammable vapors. When mixed with air and exposed to ignition source, vapors can burn in open or explode if confined. Flammable vapors may be heavier than air and travel long distances along the ground before igniting and flashing back to vapor source. Fine sprays/mists may be combustible at temperatures below normal flash point. Heat may build enough pressure to rupture closed containers/spreading fire/increasing risk of burns/injuries. Cool containers with flooding quantities of water until well after fire is out. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn. Move containers from fire area if it can be done without risk. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**Special Protective Equipment and Precautions for Fire-Fighters:** Wear an approved self-contained breathing apparatus with a full face piece operated in a pressure demand or other positive pressure mode and firefighter turnout gear. Structural firefighter's protective clothing will only provide limited protection.



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#### ACCIDENTAL RELEASE MEASURES

##### Personal Precautions, Protective Equipment and Emergency Procedures

**Personal Precautions:** Evacuate personnel to safe areas. Use personal protective equipment as required. Clean-up to be performed only by trained and properly equipped personnel. Eliminate all sources of ignition. Ensure adequate ventilation, especially in confined areas. Keep people away from upwind of spill/leak.

##### Environmental Precautions

**Environmental Precautions:** Prevent further leakage or spillage, if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer systems.

##### Methods and Materials for Containment and Cleaning Up

**Methods for Containment:** Prevent further leakage or spillage, if safe to do so.

**Methods for Cleaning Up:** Pick up and transfer to properly labeled containers. Dam up. Absorb or cover with dry earth, sand or other non-combustible material and transfer to labeled containers. Use clean non-sparking tools to collect absorbed material.

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#### HANDLING AND STORAGE

##### **Handling Precautions:**

Advice on Safe Handling: Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep away from heat, sparks, flame and other sources of ignition. Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Use with local exhaust ventilation. Never use air pressure for transferring product. Keep material out of reach of children.

##### **Storage Requirements:**

Keep properly labeled containers tightly closed in a cool, well-ventilated place. Flammable mixtures may exist within the vapor space of containers at room temperature. Minimize sources of ignition, such as static build-up, heat, spark or flame. Containers of this material may be hazardous when emptied, since emptied containers retain product residues (vapor, liquid and/or solids), all hazard precautions given in the data sheet must be observed.

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#### EXPOSURE CONTROLS/PERSONAL PROTECTION

##### **Personal Protective Equipment:**

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection: Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.



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#### PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear	<b>Odor:</b>	Mild solvent or fruity odor
<b>Physical State:</b>	Liquid	<b>Solubility:</b>	Not soluble in water
<b>Odor Threshold:</b>	No data available	<b>Freezing/Melting Pt.:</b>	No data available
<b>Spec Grav./Density:</b>	.79	<b>Flash Point:</b>	>61° C/122° F
<b>Viscosity:</b>	No data available	<b>Vapor Density:</b>	No data available
<b>Boiling Point:</b>	No data available	<b>Auto-Ignition Temp:</b>	No data available
<b>Flammability:</b>	Combustible	<b>UFL/LFL:</b>	No data available
<b>Partition Coefficient:</b>	No data available		
<b>Vapor Pressure:</b>	No data available		
<b>pH:</b>	No data available		
<b>Evap. Rate:</b>	No data available		
<b>Decomp Temp:</b>	No data available		

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#### STABILITY AND REACTIVITY

<b>Reactivity:</b>	Product is stable under normal conditions.
<b>Chemical Stability:</b>	Product is stable under normal conditions.
<b>Conditions to Avoid:</b>	Avoid contact with open flame, electric arcs, or other ignition sources which can cause thermal decomposition.
<b>Materials to Avoid:</b>	Strong alkalis, oxidizers, and reactive metals.
<b>Hazardous Decomposition:</b>	Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Aldehydes. Keytones. Organic acids.
<b>Hazardous Polymerization:</b>	Will not occur.

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#### TOXICOLOGICAL INFORMATION

Naphtha, petroleum, hydrotreated heavy (64742-48-9) [>90%]

Information on toxicological effects

Acute toxicity:

Oral LD50 no data available

Inhalation LC50

Dermal LD50

Other information on acute toxicity

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP, OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System): Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available

Aspiration hazard: no data available

Potential Health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed.

Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Signs and Symptoms of Exposure: Nausea, Headache, Vomiting, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information:

RTECS: Not available



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#### 12 ECOLOGICAL INFORMATION

Naphtha, petroleum, hydrotreated heavy (64742-48-9): no data available

Perfluorinated polymer 1 (0): no data available

#### 13 DISPOSAL CONSIDERATIONS

Waste Disposal Method: Review Federal, Provincial and Local Government requirements prior to disposal.

#### 14 TRANSPORT INFORMATION

NA1993, Combustible liquid, n.o.s., Combustible liquid, PGIII, (Contains: Petroleum Distillate)

Special Provisions: DOT - 173.50 exception applies (not hazardous to ship ground under 110 gallons).

#### 15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Naphtha, petroleum, hydrotreated heavy (64742-48-9) [>90%] TSCA

Perfluorinated polymer 1 (0) [>1%]

SARA Title III chemicals: None

California Prop 65 chemicals: This product contains no chemicals known to the State of California to cause cancer or reproductive toxicity.

CERCLA reportable quantity: None

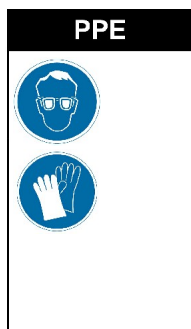
RCRA hazardous waste no: None

#### 16 OTHER INFORMATION

HMIS III: Health = 1, Fire = 2, Physical Hazard = 0

HMIS PPE: B - Safety Glasses, Gloves

HMIS	
HEALTH	1
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B



HMIS Index: 1-slight, 2-moderate, 3-serious, 4-severe



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The information contained herein has been compiled from sources believed to be reliable and accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. Winsol Laboratories, Inc. assumes no responsibility for injury to any person or property resulting from any use of the material. Each user assumes the risk in their use of this product and should review the data and recommendations in the specific context of their intended use.

Sections 11 and 12 are based on composition of 100% raw materials.

ISSUE DATE: 05/26/15  
REVISION DATE: 12/13/17  
REVISIONS: 3 year revision/review