

## Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Date of issue: 03/18/2019

Revision date: 05/22/2019

Version: 1.1

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
 Product name : PHOS-CHEK® LC95W  
 Product synonyms : PHOS-CHEK® Wildfire Home Defense Fire Retardant – LC95W

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Fire retardant used for wildland fire control

#### 1.3. Supplier

**Manufacturer**  
 Perimeter Solutions  
 10667 Jersey Blvd.  
 Rancho Cucamonga CA, 9173  
 T 1-800-682-3626

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC 800-424-9300  
 CANUTEC 613-996-6666

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Not classified

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

No labeling applicable

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name                            | Product identifier     | %    |
|---------------------------------|------------------------|------|
| Ammonium polyphosphate solution | (CAS-No.) Trade secret | > 85 |
| Performance Additives           | (CAS-No.) Trade secret | < 8  |
| Attapulugus Clay                | (CAS-No.) 8031-18-3    | < 5  |

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact : If skin irritation occurs: Wash skin with plenty of water. Obtain medical attention if irritation persists.

First-aid measures after eye contact : 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.

First-aid measures after ingestion : Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

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### 4.2. Most important symptoms and effects (acute and delayed)

|                                     |   |
|-------------------------------------|---|
| Symptoms/effects after inhalation   | : May cause irritation to the respiratory tract.  |
| Symptoms/effects after skin contact | : May cause skin irritation. Repeated exposure may cause skin dryness or cracking.  |
| Symptoms/effects after eye contact  | : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. |
| Symptoms/effects after ingestion    | : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.  |

### 4.3. Immediate medical attention and special treatment, if necessary

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

|                                |   |
|--------------------------------|---|
| Suitable extinguishing media   | : Use extinguishing media appropriate for surrounding fire. |
| Unsuitable extinguishing media | : None known.   |

### 5.2. Specific hazards arising from the chemical

|             |  |
|-------------|--|
| Fire hazard | : Products of combustion may include, and are not limited to: oxides of carbon. Ammonia and phosphoric acid may be formed when product is heated above 90 °C (194 °F). |
|-------------|--|

### 5.3. Special protective equipment and precautions for fire-fighters

|                                |  |
|--------------------------------|--|
| Protection during firefighting | : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). |
|--------------------------------|--|

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

|                  |  |
|------------------|--|
| General measures | : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. |
|------------------|--|

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

### 6.3. Methods and material for containment and cleaning up

|                         |   |
|-------------------------|---|
| For containment         | : Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment. |
| Methods for cleaning up | : Sweep or shovel spills into appropriate container for disposal. Avoid dust formation. Provide ventilation.  |

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|                               |  |
|-------------------------------|--|
| Precautions for safe handling | : Avoid breathing dust, mist. Avoid generating dust. Avoid contact with skin, eyes and clothing. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Use only outdoors or in a well-ventilated area. |
| Hygiene measures              | : Wash contaminated clothing before reuse. Always wash hands after handling the product.   |

### 7.2. Conditions for safe storage, including any incompatibilities

|                    |   |
|--------------------|---|
| Storage conditions | : Keep out of the reach of children. Keep container tightly closed. Store in well ventilated area. Store locked up. |
|--------------------|---|

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Ammonium polyphosphate solution (Trade secret)

Not applicable

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### Attapulgus Clay (8031-18-3)

Not applicable

### Performance Additives (Trade secret)

Not applicable

## 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

## 8.3. Individual protection measures/Personal protective equipment

### Hand protection:

Wear suitable gloves

### Eye protection:

Safety glasses or goggles are recommended when using product.

### Skin and body protection:

Wear suitable protective clothing

### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

### Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |                                      |
|---|--------------------------------------|
| Physical state                              | : Liquid                             |
| Appearance                                  | : Liquid.                            |
| Color                                       | : Pale green                         |
| Odor  | : Odorless                           |
| Odor threshold                              | : No data available                  |
| pH  | : 5 - 6.5                            |
| Melting point                               | : No data available                  |
| Freezing point                              | : No data available                  |
| Boiling point                               | : No data available                  |
| Flash point                                 | : No data available                  |
| Relative evaporation rate (butyl acetate=1) | : No data available                  |
| Flammability (solid, gas)                   | : No data available                  |
| Vapor pressure                              | : No data available                  |
| Relative vapor density at 20 °C             | : No data available                  |
| Relative density                            | : 1.458 - 1.498 g/ml @ 25 °C / 77 °F |
| Solubility                                  | : Water: > 95 %                      |
| Partition coefficient n-octanol/water       | : No data available                  |
| Auto-ignition temperature                   | : No data available                  |
| Decomposition temperature                   | : No data available                  |
| Viscosity, kinematic                        | : No data available                  |
| Viscosity, dynamic                          | : 100 - 401 cP                       |
| Explosion limits                            | : No data available                  |
| Explosive properties                        | : No data available                  |
| Oxidizing properties                        | : No data available                  |

### 9.2. Other information

No additional information available

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

Heat.

#### 10.5. Incompatible materials

None known.

#### 10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon. Ammonia and phosphoric acid may be formed when product is heated above 90 °C (194 °F).

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

| PHOS-CHEK® LC95W   |              |
|--------------------|--------------|
| LD50 oral rat      | > 5050 mg/kg |
| LD50 dermal rabbit | > 2020 mg/kg |

|  |   |
|--|---|
| Skin corrosion/irritation                          | : Non-irritating<br>pH: 5 - 6.5   |
| Serious eye damage/irritation                      | : Minimally irritating<br>pH: 5 - 6.5   |
| Respiratory or skin sensitization                  | : Not classified  |
| Germ cell mutagenicity                             | : Not classified  |
| Carcinogenicity                                    | : Not classified  |
| Reproductive toxicity                              | : Not classified  |
| Specific target organ toxicity – single exposure   | : Not classified  |
| Specific target organ toxicity – repeated exposure | : Not classified  |
| Aspiration hazard                                  | : Not classified  |
| Viscosity, kinematic                               | : No data available   |
| Symptoms/effects after inhalation                  | : May cause irritation to the respiratory tract.  |
| Symptoms/effects after skin contact                | : May cause skin irritation. Repeated exposure may cause skin dryness or cracking.  |
| Symptoms/effects after eye contact                 | : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. |
| Symptoms/effects after ingestion                   | : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.  |
| Other information                                  | : Likely routes of exposure: ingestion, inhalation, skin and eye.   |

### SECTION 12: Ecological information

#### 12.1. Toxicity

|                   |   |
|-------------------|---|
| Ecology – general | : May cause long-term adverse effects in the aquatic environment. |
|-------------------|---|

| PHOS-CHEK® LC95W |                          |
|------------------|--------------------------|
| LC50 fish 1      | 465 mg/l [Rainbow trout] |

#### 12.2. Persistence and degradability

| PHOS-CHEK® LC95W              |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |

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### 12.3. Bioaccumulative potential

#### PHOS-CHEK® LC95W

|                           |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Other information : No other effects known.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Not regulated

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

### 15.2. International regulations

No additional information available

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

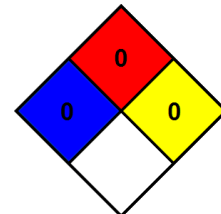
## SECTION 16: Other information

Date of issue : 03/18/2019  
Revision date : 05/22/2019  
Other information : None.  
Prepared by : Nexreg Compliance Inc.

[www.Nexreg.com](http://www.Nexreg.com)



NFPA health hazard : 0  
NFPA fire hazard : 0  
NFPA reactivity : 0



Hazard Rating  
Health : 0 Minimal Hazard  
Flammability : 0 Minimal Hazard  
Physical : 0 Minimal Hazard

SDS US (GHS HazCom 2012)\_NEXREG\_NEW

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