

## Safety Data Sheet

according to the Model Work Health and Safety Regulations

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### SECTION 1: Identification : Product identifier and chemical identity

#### 1.1. Product identifier

Product form : Mixture  
Product name : PHOS-CHEK® LCE20-Fx Solution

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : Fire retardant

#### 1.4. Details of the supplier or manufacturer or distributor of the safety data sheet

Perimeter Solutions  
10667 Jersey Blvd.  
Rancho Cucamonga CA, 91730  
T 1-800-682-3626

Perimeter Solutions  
46 Hudson Crescent,  
Lavington, NSW 2641, Australia  
Tel. +61 2 6040 6900  
24hr Tel: +61 2 9430 6396

#### 1.5. Emergency phone number

Emergency number : CHEMTREC 800-424-9300  
CANUTEC 613-996-6666  
1-800-862-115 (Australia)

### SECTION 2: Hazards identification

#### 2.1. Classification of the hazardous chemical

##### Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Not classified.

#### 2.2. Label elements

No labelling applicable

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

This mixture does not contain any substances to be mentioned according to the applicable regulations

### 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.

#### 4.2. Symptoms caused by exposure

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. Indication of any immediate medical attention and special treatment needed

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

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

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

#### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon.  
General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

#### 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.

### SECTION 7: Handling and storage, including how the chemical may be safely used

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Ensure adequate ventilation.  
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 a dry, cool and well-ventilated place.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters - exposure standards

No additional information available

#### 8.2. Monitoring

No additional information available

#### 8.3. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station.

#### 8.4. 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 : Avoid breathing vapour or mist. Use NIOSH/MSHA approved respiratory protection equipment when airborne exposure limits are exceeded. Consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH / MSHA or the manufacturer. Refer to U.S. OSHA regulations 29 CFR 1910.134 or European Standard EN 149.  
Environmental exposure controls : Not applicable when used as intended.

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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

Physical state : Liquid  
Appearance : Reddish liquid.  
Colour : Red  
Odour : Odourless  
Odour threshold : No data available  
pH : 5 – 6.5  
Relative evaporation rate (butylacetate=1) : No data available  
Melting point / Freezing point : No data available  
Boiling point : No data available  
Flash point : No data available  
Auto-ignition temperature : No data available  
Flammability (solid, gas) : Not flammable  
Vapour pressure : No data available  
Relative density : 1.001 – 1.107 kg/L  
Density : No data available  
Solubility : No data available  
Partition coefficient n-octanol/water : No data available  
Viscosity, dynamic : 150 – 400 centipoise (cP) @ 21 °C (70 °F) with #2 spindle at 60 rpm  
Explosive properties : No data available  
Explosive limits : No data available  
Minimum ignition energy : No data available  
Fat solubility : No data available

#### 9.2. Other information

Refractive index : 10.1 – 12.2

### 10: Stability and reactivity

Reactivity : No dangerous reactions known under normal conditions of use.  
Chemical stability : Stable under normal conditions.  
Possibility of hazardous reactions : No dangerous reactions known under normal conditions of use.  
Conditions to avoid : Heat.  
Incompatible materials : None known.  
Hazardous decomposition products : May include, and are not limited to: oxides of carbon.

### SECTION 11: Toxicological information

Acute toxicity (oral) : Not acutely toxic (toxicity results).  
Acute toxicity (dermal) : Not acutely toxic (toxicity results).  
Acute toxicity (inhalation) : Not classified.  
Skin corrosion/irritation : Primary dermal irritation test scores is 0.0 and classified as non-irritating.  
pH: 5 – 6.5  
Serious eye damage/irritation : Primary eye irritation test results for single-washed eyes is classified as non-irritating.  
pH: 5 – 6.5

PHOS-CHEK® LCE20-Fx Solution	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2020 mg/kg

Respiratory or skin sensitisation : Not classified.  
Germ cell mutagenicity : Not classified.  
Carcinogenicity : Not classified.  
Reproductive toxicity : Not classified.  
STOT-single exposure : Not classified.  
STOT-repeated exposure : Not classified.  
Aspiration hazard : Not classified.

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Other information : Likely routes of exposure: ingestion, inhalation, skin and eye

### SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

#### 12.1. Ecotoxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.  
LC50 : 3660.7 mg/l  
Hazardous to the aquatic environment, short-term (acute) : Not classified.  
Hazardous to the aquatic environment, long-term (chronic) : Not classified.  
Other information : No other effects known.

#### 12.2. Persistence and degradability

##### PHOS-CHEK® LCE20-Fx Solution

Persistence and degradability	Not established.
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#### 12.3. Bioaccumulative potential

##### PHOS-CHEK® LCE20-Fx Solution

Bioaccumulative potential	Not established.
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#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Ozone : Not classified.  
Other adverse effects : No additional information available

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Fluorinated greenhouse gases	False
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### SECTION 13: Disposal considerations

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

### SECTION 14: Transport information

#### 14.1. UN number

Not regulated for transport

#### 14.2. Proper Shipping Name - Addition

Not applicable

#### 14.3. Transport hazard class(es)

##### ADG

Transport hazard class(es) (ADG) : Not applicable

##### IMDG

Transport hazard class(es) (IMDG) : Not applicable

##### IATA

Transport hazard class(es) (IATA) : Not applicable

#### 14.4. Packing group

Packing group (ADG) : Not applicable

#### 14.5. Environmental hazards

Marine pollutant : No

#### 14.6. Special precautions for user

Specific storage requirement : No data available  
Shock sensitivity : No data available

#### 14.7. Additional information

Other information : No supplementary information available.  
Special transport precautions : Do not handle until all safety precautions have been read and understood.

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### 14.8. Hazchem or Emergency Action Code

Hazchem Code : Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

No additional information available

### 15.2. International agreements

#### Germany

Regulatory reference : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)  
Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)  
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)  
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

## SECTION 16: Any other relevant information

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Expiry date : 17/01/2029  
Prepared by : Nexreg Compliance Inc.  
[www.Nexreg.com](http://www.Nexreg.com)  
Other information : None.



SDS Australia - Nexreg

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