

PHOS-CHEK® LC95A-Fx Concentrate

Safety Data Sheet

according to the Model Work Health and Safety Regulations

Date of issue: 19/03/2020

Revision date: 15/03/2022

Version: 1.2

SECTION 1: Identification : Product identifier and chemical identity

1.1. Product identifier

Product form : Mixture
 Product name : PHOS-CHEK® LC95A-Fx Concentrate

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 used for wildland fire control

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

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

Australian Supplier
 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
 1-800-802-902 or 02 9430 6396 (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

Unknown acute toxicity (GHS AU) : 4.5% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
 98.6% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
 98.6% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

Name	CAS-No.	%
Ammonium polyphosphate solution	Mixture	> 85
Performance Additives	Trade secret	< 8
Attapulugus clay	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.

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.

PHOS-CHEK® LC95A-Fx Concentrate

Safety Data Sheet

according to the Model Work Health and Safety Regulations

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).

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. Ammonia and phosphoric acid may be formed when product is heated above 90 °C (194 °F).
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. Avoid dust formation. Provide ventilation.

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

7.1. Precautions for safe handling

Precautions for safe handling : Avoid breathing mist. 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 - 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

PHOS-CHEK® LC95A-Fx Concentrate

Safety Data Sheet

according to the Model Work Health and Safety Regulations

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.
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	: Pinkish Liquid
Colour	: No data available
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)	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Density	: 1.445 – 1.485 g/ml @ 25 °C / 77 °F
Solubility	: Water: > 95 %
Partition coefficient n-octanol/water	: No data available
Viscosity, dynamic	: 101 – 400 cP
Explosive properties	: No data available
Explosive limits	: No data available
Minimum ignition energy	: No data available
Fat solubility	: No data available

SECTION 10: Stability and reactivity

Reactivity	: No dangerous reactions known under normal conditions of use.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. Ammonia and phosphoric acid may be formed when product is heated above 90 °C (194 °F).

SECTION 11: Toxicological information

Acute toxicity (oral)	: Not classified.
Acute toxicity (dermal)	: Not classified.
Acute toxicity (inhalation)	: Not classified.

PHOS-CHEK® LC95A-Fx Concentrate	
LD50 oral rat	> 5050 mg/kg
LD50 dermal rabbit	> 2020 mg/kg

Unknown acute toxicity (GHS AU)	: 4.5% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 98.6% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 98.6% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))
Skin corrosion/irritation	: Not classified. pH: 5 – 6.5
Serious eye damage/irritation	: Not classified. pH: 5 – 6.5
Respiratory or skin sensitisation	: Not classified.

PHOS-CHEK® LC95A-Fx Concentrate

Safety Data Sheet

according to the Model Work Health and Safety Regulations

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.
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.
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.

PHOS-CHEK® LC95A-Fx Concentrate

LC50 fish 1	399 mg/l
-------------	----------

12.2. Persistence and degradability

PHOS-CHEK® LC95A-Fx Concentrate

Persistence and degradability	Not established.
-------------------------------	------------------

12.3. Bioaccumulative potential

PHOS-CHEK® LC95A-Fx Concentrate

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

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

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

PHOS-CHEK® LC95A-Fx

Fluorinated greenhouse gases	False
------------------------------	-------

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

PHOS-CHEK® LC95A-Fx Concentrate

Safety Data Sheet

according to the Model Work Health and Safety Regulations

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.

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 3, Highly hazardous to water (Classification according to AwSV, Annex 1)
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

SECTION 16: Any other relevant information

Revision date : 15/03/2022
Expiry date : 15/03/2027
Prepared by : Nexreg Compliance Inc.



Other information : None.

Classification:

Not classified.

SDS Australia - Nexreg

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.