

PHOS-CHEK® LCE20-Fx



PRODUCT HIGHLIGHTS

- **USDA Forest Service 5100-304d certification**
- **100% phosphate product**
- **Low environmental footprint**
- **Low toxicity to fish**
- **Improved product stability**
- **Easier Handling**
- **Low-viscosity**
- **Fugitive colored**
- **Third-generation product**
- **Reduced disposal costs**
- **Increased product safety**

DESCRIPTION

PHOS-CHEK® LCE20-Fx is a next-generation fire retardant combining high performance with environmental friendliness. PHOS-CHEK LCE20-Fx combines the ease of mixing and handling of a liquid with the aerial drop advantages of a gum-thickened retardant. The elastic nature of the thickener in PHOS-CHEK LCE20-Fx reduces drift, dispersion and evaporation, while increasing coverage, wrap around, and canopy and ladder fuel penetration to effectively target ground vegetation.

An innovative, 100% phosphate product, PHOS-CHEK LCE20-Fx fire retardant utilizes an environmentally-friendly formula to offer improved performance, product safety, and enhanced stability, resulting in easier handling. The new formula reduces environmental impact – lowering overall toxicity and reducing disposal costs.

PHOS-CHEK LCE20-Fx is a ultra high visibility Fugitive (Fx)-colored concentrate. The fugitive color maintains visibility during application, but slowly fades after exposure to sunlight. LCE20-Fx is a low-viscosity product, offering improved drop characteristics from fixed-wing air tankers.



APPLICATIONS

PHOS-CHEK fire retardants are used for wildland fire control in forest, brush or grassland. Once applied, PHOS-CHEK LCE20-Fx reacts with and alters the thermal decomposition mechanism of wildland fuels, rendering them nonflammable. This deprives the fire of fuel, reducing fire intensity and the rate of flame spread. PHOS-CHEK LCE20-Fx fire retardant is also a useful tool for prescribed burns and fire breaks. When applied at lower concentrations, fire intensity can be dramatically reduced, while only slow and controlled burning remains supported.

PHOS-CHEK LCE20-Fx fire retardant is qualified by the USDA Forest Service under the recently updated specification for Long Term Retardant, Wildland Firefighting: 5100-304d (published January 7, 2020), for use in fixed-wing and single-engine air tankers, helicopter buckets, and ground engines. The concentrate is delivered to the application site as a low-viscosity liquid and is stored in concentrate form. During application, it is diluted and mixed with water in-line as it is transferred to the delivery system. Highly effective with aerial application, LCE20-Fx provides ultra-high visibility when dropped; yet is designed to fade with exposure to sunlight once applied.

PRODUCT CHARACTERISTICS

Color	Ultra High Visibility Fugitive (Fx)
Mix Ratio	5.2:1 water/concentrate
Yield	1113 gal/ton of concentrate — 4644 liters/metric ton of concentrate
Concentrate Density	11.13 lb/gal — 1.334 kg/liter
Solution Density- Mixed Retardant	8.87 lb/gal — 1.063 kg/liter
Viscosity	150 – 400 centipoise (cP)
Refractive Index	9.75 – 12.0

PHOS-CHEK® LCE20-Fx

APPLICATION	RETARDANT	GEL	FOAM	WATER
Indirect Attack	✓ ✓ ✓ ✓	✓ ✓	✓	
Direct/Parallel Attack	✓ ✓ ✓ ✓	✓ ✓ ✓	✓ ✓	✓
Interior Structure Attack		✓ ✓	✓ ✓ ✓ ✓	✓
Structure Protection: -Indirect Application	✓ ✓ ✓ ✓	✓ ✓ ✓	✓ ✓	✓
Structure Protection: -Direct Application		✓ ✓ ✓ ✓	✓ ✓ ✓	✓
Mop Up	✓ ✓	✓ ✓	✓ ✓ ✓ ✓	✓
Prescribed Burn Control	✓ ✓ ✓ ✓	✓ ✓ ✓	✓ ✓	✓

- ✓ ✓ ✓ ✓ = Superior Effectiveness
- ✓ ✓ ✓ = Excellent Effectiveness
- ✓ ✓ = Good Effectiveness
- ✓ = Baseline Effectiveness

HANDLING PRECAUTIONS

- FOR DETAILED SAFETY INFORMATION, please refer to the SDS.
- Non-irritating to eyes; non-irritating to skin.
- If in eyes: Flush with plenty of water.
- **Precautionary Measures:** Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary contact and removal of the material from the eyes, skin and clothing.
- **Eye Protection:** As with good industrial practices, the use of chemical goggles is recommended. Eye flushing equipment should also be available.
- **Skin Protection:** As with good industrial practices, protective gloves should be worn to minimize skin contact. Wash hands and contaminated skin after handling.
- **Respiratory Protection:** Avoid breathing vapor or mist.
- For detailed safety information, please refer to the SDS. www.phos-chek.com

PACKAGING

ORDERING INFORMATION	Shipping Weight		Catalog #
PHOS-CHEK LCE20-Fx	lb.	kg.	
5 Gallon Pail (20 litres)	56	25	10004605
55 Gallon Drum (200 litres)	612	278	10004842
260 Gallon Tote (984 litres)	2894	1313	10004595
Bulk Packaging*	—	—	10004642

*Contact your local authorized distributor or factory sales representative for additional details. <https://perimeter-solutions.com>



Solutions That Save.

FOR MORE INFORMATION

Contact any of our worldwide Perimeter Solutions Fire Safety offices or visit:

www.perimeter-solutions.com

UNITED STATES

10667 Jersey Blvd
Rancho Cucamonga, CA 91730
Tel: +1 (920) 593-9445
salesfoamusa@perimeter-solutions.com

EMEA

415, rue Louis Armand – Pôle d'Activités
13290 Aix-en-Provence, Cedex 3, France
Tel: +33 (0)4 42 24 45 08
salesretardantsemea@perimeter-solutions.com

ASIA PACIFIC

46 Hudson Crescent
Lavington NSW 2641, Australia
Tel: +61 2 6040 6900
PC.salesAPAC@perimeter-solutions.com

CANADA

3060 Airport Road
Kamloops, BC V2B 7X2
Tel: +1 (250) 554 3530

perimeter-solutions.com

NOTICE PERIMETER SOLUTIONS MAKES NO REPRESENTATIONS OR WARRANTIES AS TO THE COMPLETENESS OR ACCURACY OF THE INFORMATION INCLUDED HEREIN. THE INFORMATION CONTAINED HEREIN IS NOT INTENDED TO PROVIDE REGULATORY, LEGAL OR EXPERT ADVICE RELATING TO THE PRODUCTS, ITS APPLICATION OR USES. NOTHING CONTAINED HEREIN IS TO BE CONSTRUED AS A RECOMMENDATION TO USE ANY PRODUCT, PROCESS, EQUIPMENT OR FORMULATION IN CONFLICT WITH ANY INDUSTRIAL PROPERTY OR INTELLECTUAL PROPERTY RIGHTS, AND PERIMETER SOLUTIONS MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, THAT THE USE THEREOF WILL NOT INFRINGE ON ANY INDUSTRIAL PROPERTY OR INTELLECTUAL PROPERTY RIGHTS. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN.