

INSUL-8



STRUCTURAL FIRE PROTECTION LIQUID GEL



DESCRIPTION

PHOS-CHEK INSUL-8® is a water enhancing gel specially designed for municipal, industrial and wildland fire departments for application from ground equipment. Because of its enhanced coverage and unparalleled adherence capability, INSUL-8 offers superior protection for all types of structures. Far superior to other gels on the market, INSUL-8 can coat most vertical surfaces, including glass, with up to three inches of gel with no slumping. This enables firefighters to easily and quickly protect buildings, tanks and other structures from flame and/or heat impingement, without tying up valuable resources to continuously spray water. INSUL-8 provides an insulating blanket for the protected structures or fuel source to the advancing fire. INSUL-8 also provides protection against water loss due to evaporation, making it more effective than plain water.

PHOS-CHEK INSUL-8 is a liquid concentrate that mixes easily with water by proportioner, eductor, or batch mixer. The mix ratio, or dilution, can be varied based on the desired gel thickness and the quality of the water. The product can be expertly mixed and applied using Perimeter Solutions' PC CODE system.

INSUL-8 requires significantly less concentrate than other liquid concentrate gels to achieve the same properties, making it far more cost effective. Effective mix ratios are between 0.37% and 3% depending on application and water quality.

INSUL-8 is fully tested and qualified by the USDA Forest Service. It is safe, non-toxic and environmentally friendly. Cleanup is easy with a garden hose or pressure washer.

APPLICATIONS

- In industrial settings, INSUL-8 provides protection for nearby equipment such as storage tanks and for infrastructure, such as wooden bridges, power poles, communication facilities, and other structures, during hot work and from heat or flame impingement from nearby fires.
- For municipal fire departments, INSUL-8 can be used for direct suppression, including car fires, to provide fast knockdown and cooling and to prevent smoldering and reignition.
- Used with the PHOS-CHEK PC CODE system, INSUL-8 can be used in conjunction with PHOS-CHEK WD881 Class A Foam and PHOS-CHEK LC95 long-term retardant, to provide a complete fire fighting solution.
- INSUL-8 can be used for direct fire suppression or for very short term (less than four hours) indirect protection.
- Applied aerially, INSUL-8 provides significantly better recovery than plain water. With its low dose rate, INSUL-8 can be mixed with on-board injection systems on many water scooping aircraft.

APPLICATION	Long-Term Retardant	Gel	Class A 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

✓✓ = Good Effectiveness

✓✓✓ = Excellent Effectiveness

✓ = Baseline Effectiveness

PRODUCT CHARACTERISTICS

Color	Yellowish liquid
Mix Ratio	Direct suppression: 0.37% – 0.55% Structural protection: 1% – 3%
Specific Gravity	1.0 ± 0.03
Viscosity (Concentrate)	800 – 1100 centipoise (cP)
Viscosity (Mixed)	>4000 centipoise (in distilled water) @ 0.6% >8000 centipoise (in distilled water) @ 1.0%

For more information, contact any of our worldwide Perimeter Solutions Fire Safety offices, see back page for locations, or visit www.Phos-Chek.com or www.Perimeter-Solutions.com

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HANDLING PRECAUTIONS

- For detailed safety information, please refer to the SDS.
- Mildly irritating to eyes. Slightly irritating to skin.
- Precautionary measure and first-aid 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.
- Surfaces coated with gel may be slippery. Exercise extreme caution.
- Eye Protection: As a good industrial practice, the use of chemical goggles is recommended. If in eyes, flush with plenty of water for 15 minutes.
- Skin Protection: Wear protective gloves to minimize skin contact. Wash hands and contaminated skin after handling. Flush with copious amounts of water for at least 15 minutes.
- Respiratory Protection: None required. Avoid breathing dust or vapor/mist.
- For complete SDS, visit www.phos-chek.com



PACKAGING

ORDERING INFORMATION

	lb*	kg*	PART #
5 gallon pail (20 litres), PHOS-CHEK INSUL-8	43	19	10002895
55 gallon drum (200 litres), PHOS-CHEK INSUL-8	2255	1023	Call
260 gallon tote (985 litres), PHOS-CHEK INSUL-8	2255	1023	10003487

*Approximate weight

Contact your local authorized PHOS-CHEK distributor or factory representative for details.

<https://phoschek.com/contact/>

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For more information, contact any of our worldwide Perimeter Solutions Fire Safety offices or visit www.Phos-Chek.com or www.Perimeter-Solutions.com



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