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RETARDANT INFORMATION SHEET

PHOS-CHEK ®: PHOS-CHEK ® is a trade name for fire retardant products manufactured by ICL. Our wildland fire retardants consist of 80% water, 14% fertilizer type salts, 6% coloring agent, corrosion inhibitors and flow conditioners. They have U.S. Forest Service approval for health and safety, environment and corrosion. All mixed PHOS-CHEK ® retardants are non-toxic by Forest Service criteria.

Retards Fire: The salts, when heated by the approaching fire, react with the woody material, grass and other organic matter rendering it unburnable, thus retarding the fire spread. This reaction is independent of the water content of the retardant. PHOS-CHEK ® is effective so long as the salts cling to the grass or woody material. Treated areas will normally retard the spread of fire through dry, hazardous weather conditions. Rain will wash it off.

The salts not consumed in retarding the spread of the fire, when diluted by rain, do not leach far into the soil. They provide readily available forms of nitrogen, phosphates and sulphur important for plant fertilization.

Color: The reddish color serves as a visual aid for pilots and firefighters alike. After a few days of exposure to direct sunlight, the color fades to neutral earth tans.

Common questions asked about PHOS-CHEK ®

Q – What happens when retardant lands on my house or car?

A – The retardant should be removed as soon as possible. It will readily wash off with water while still wet. If dry, it may require some scrubbing with water or power washing. A mild detergent may assist in the removal.

Q – Will it hurt my animals if they eat the foliage covered with retardants?

A – We know of no adverse effects to domestic or farm animals if they eat small amounts of foliage covered with retardant. Reaction of animals to ingestion of chemicals can vary among species, thus you should contact a veterinarian if your animals eat significant amounts of retardant.

Q – Will the retardant harm my plants or foliage?

A – Retardants, if not washed off, may cause foliage to turn brown and the plant to wither. After it rains they will “spring to life” stronger than before. There are no other known environmental effects from PHOS-CHEK ® retardants on vegetation or soil.

At ICL we are dedicated to environmental safety. This commitment has led to a continuous development of products and services essential to the effective attack of wildfires.