AMEREX TECH Tip №50

formerly Tech Tip 22

DRY CHEMICAL TOXICITY

Amerex has produced dry chemical agents since 1973. In more than five decades of operation, there have been no reported incidents of chemical toxicity during production, manufacturing, testing, or training.

FIRE APPLICATION | **Dry chemicals do not break down into toxic materials when applied to a fire.** However, combustion byproducts from burning materials can be harmful and exposure to them should be avoided.

DUST EXPOSURE | **Dry chemicals consist of finely divided particles that can become airborne.** While not toxic, they can irritate the lungs, eyes, and skin.

When filling during maintenance cycles or recharge cycles, the use of appropriate personal protective equipment (PPE) is recommended (not mandated) to help prevent allergic reactions, eye irritation or damage, and aggravation of preexisting respiratory or skin conditions.

Avoid discharging dry chemical extinguishing agents directly into a person's face. It is important to prevent ingestion, inhalation, and exposure to the eyes or skin as stated in the Safety Data Sheet (SDS).

SDS INFORMATION:

- **ABC Dry Chemical:** This formulation is primarily composed of monoammonium phosphate and ammonium sulfate.
- **Purple K Dry Chemical:** The base ingredients in this chemical are potassium bicarbonate and calcium carbonate.

Neither these base ingredients nor the moisture-resistant and flow-enhancing additives blended during production are toxic to humans upon discharge or application to a fire. Please refer to the SDS full toxicological information.

AMEREX SAFETY DATA SHEETS:

Amerex SDS are available on the website at *Safety Data Sheets - Amerex Fire Systems*



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