CERTALERT

ADVISORY CAUTIONARY NON-DIRECTIVE

AIRPORT SAFETY AND OPERATIONS DIVISION AAS-300

FOR INFORMATION, CONTACT MARC TONNACLIFF, AAS-300, (202) 267-8732

DATE:	**August 8, 2007**	**No. 07-09**
TO:	**Airport Operators, FAA Airport Certification Safety Inspectors, all ARFF Departments**	
TOPIC:	**Class D Fire Fighting Agents – Update**	

FEM-12 SC is approved as a Class D Fire Fighting Agent

BACKGROUND

Class D dry powder extinguishing agents may not be practical in all situations where a burning metal cannot be smothered or if the fire source needs to be extinguished immediately. The fire will continue to burn under the dry powder until it has sufficiently cooled, which could take minutes or even hours depending on the condition. Several additional applications of the dry powder may be necessary to prevent cracking and burning of the dry powder. FEM-12 SC can be used as an alternative Class D fire agent depending on the fire situation and surrounding fire hazards.

FEM-12 SC will extinguish and cool the burning metal. However, a fire fighter must be aware of the reactions that will occur when the liquid agent comes in contact with the fire. Violent flare-ups of the fire will occur and small flying burning metal pieces are possible as a result to the reaction with FEM-12 SC. However, once the fire is extinguished, the fire hazard is eliminated.

See the FAA Technical Note: DOT/FAA/AR-TN06/29 for additional information about the testing performed using FEM-12 SC
http://www.airtech.tc.faa.gov/safety/downloads/TN06-26.pdf

This CertAlert replaces CertAlert 07-08, which is hereby canceled.

_____ 08/08/2007

Benedict D. Castellano, Acting Manager DATE
Airport Safety and Operations Division AAS-300

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