CLEAN AGENT FIRE SUPPRESSION

FK-5-1-12

Extinguishing agent for total flooding applications



Used in SHTG 1230 systems

Clean agent protection

FK-5-1-12 is the clean extinguishing agent used in SHTG 1230 systems. Stored as a liquid and applied as a vapor, it provides total flooding protection with zero ozone depletion potential and a global warming potential below 1.

Zero ODP

Ozone depletion potential: 0

Total flooding

Rapid agent dispersion

Documented quality

Batch documentation

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AGENT DATA

Properties and performance

Technical characteristics for FK-5-1-12 clean agent applications.

PROPERTY	VALUE
Extinguishing agent	FK-5-1-12
Chemical identity	CAS 756-13-8
Ozone depletion potential	0
Global warming potential	< 1 (100-year ITH)
Operating temperature range	0°C to 50°C
NOAEL	10.0% v/v
Boiling point	49.2°C
Physical state	Liquid at room temperature

Performance and system design

Rapid dispersion supports total flooding protection. Agent quantity, design concentration and discharge arrangements are determined for the protected enclosure using the relevant system design documentation.

Each production batch is supplied with documentation of its chemical and physical characteristics. FK-5-1-12 vaporizes on discharge and leaves no residue. Its low global warming potential is a key feature of its environmental profile.

Personnel safety and exposure

NOAEL: 10.0% v/v. Use in normally occupied spaces requires the applicable concentration limits, exposure limits and evacuation provisions to be addressed in system design.

Agent approvals and supply options

UL Component Recognition

Under Safety Hi-Tech Global LLC recognition.

UR / FM

Third-party products supplied on request with UL Component Recognition and FM Approvals.

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