

**FIRE SUPPRESSION
CLEAN AGENT**

CHEMORI 5112 CLEAN AGENT

CHEMORI 5112 is a trademark of CHEMORI's FK-5-1-12, Dodecafluoro-2-methylpentan-3-one. FK-5-1-12 is another widely used extinguishing clean agent. It is environmentally safe and best used in fire hazard areas containing A, B, & C classes of fire. It has been approved by US EPA and ISO for its safe characteristic and fire extinguishing effectiveness.

CHEMORI FK-5-1-12 is an acceptable alternative clean agent for Halon 1301 replacement. **CHEMORI's FK-5-1-12** is guaranteed to meet the minimum NFPA 2001 Requirement as follows.

CLEAN AGENT PROPERTIES	
IUPAC Name	1,1,1,2,2,4,5,5,5-Nonafluoro-4-(trifluoromethyl)-3-pentanone
ASHRAE Designation	FK-5-1-12mmy2
Synonym	Dodecafluoro-2-methylpentan-3-one
CAS Registry Number	756-13-8
Chemical Formula	$\text{CF}_3\text{CF}_2\text{C}(\text{O})\text{CF}(\text{CF}_3)_2$
Molecular Weight	316.04
Freezing Point	-162.4°F (-108°C)
Boiling Point at 760 mmHg	120.2°F (49°C)
Critical Temperature	335.6°F (168.66°C)
Critical Density	39.91 lbm/ft ³ (639.1 kg/m ³)
Critical Pressure	270.44 psi (1,865 kPa)
Critical Volume	0.0251 ft ³ /lbm (494.5 cc/mole)
Viscosity, Liquid at 77°F (25°C)	1.27 lb/ft-hr (0.524 cP)
Solubility in Water at 70°F (21.1°C)	<0.001% by weight
PROPERTY REQUIREMENT	
Purity	99.0% (minimum)
Water Content (by weight)	0.001%
Non-Volatile Residue (g/100 ml)	0.05
ENVIRONMENTAL IMPACT	
Ozone Depletion Potential (ODP)	0
Global Warming Potential (GWP)	≤1
Atmospheric Lifetime (ATL)	0.014 years
US EPA SNAP (Yes/No)	Yes

FIRE SUPPRESSION SYSTEM

CHEMORI 5112 Clean Agent Fire Suppression System utilizes both pre-engineered and engineered systems.

CHEMORI manufactures both the system hardwares and the Clean Agents.

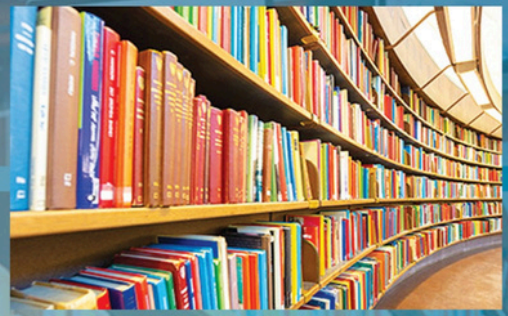
CHEMORI carries a full range of cylinders sizes from 3 lbs up to 1200 lbs.

All the cylinders are UL component recognized, DOT & TPED.



ENVIRONMENTAL FEATURES

- Very low Global Warming Potential (GWP)
- Atmospheric lifetime of approximately 5 days
- Ozone Depleting Potential (ODP) of Zero
- No post-fire residues to clean up
- No damage to protected equipment
- Is electronically non-conductive
- Safe for use in a wide range of normally occupied hazard areas
- SNAP List Approved



PERFORMANCE

Chemori 5112 Fire Suppression System is a highly effective clean agent fire suppressant, designed to extinguish a fire in its incipient stage before it has a chance to spread. It is applied as a gas, but is liquid at room temperature, and can be effectively used in streaming, flooding systems, or for use in inerting and explosion suppression applications.

- Low toxicity (no harm to personnel)
- No damage to sensitive equipment
- Not targeted for emission reduction or phaseout

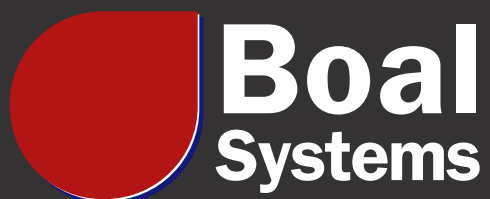
APPLICATIONS

- Telecommunication Facilities
- Computer Rooms
- Control Rooms
- Shipboard (Marine) Systems
- Libraries
- Automotives
- Engine Rooms
- Universities and Museums
- Art Galleries
- Record & Storage Facilities
- Petrochemical Installations
- Pharmaceutical & Medical Facilities
- Electronics & Data Processing Equipment





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