



AN EMERGING GLOBAL COMPANY

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**GROW
YOUR
BUSINESS
WITH US!**

Protecting Your Business Success

Chemori Americas is an emerging global company that provides vital fire protection systems and products. Chemori Americas is founded on the strength of its people, with decades of combined experience in the long established global markets involving clean agent fire suppression. Based in Portland, Oregon, the company is part of a network of established, viable businesses and manufacturing sites around the world. Specializing today in the provision of Engineered and Pre-Engineered HFC-227ea Clean Agent Fire Suppression Systems, we employ our many and varied technical resources, working together with Underwriter's Laboratories (UL) and Factory Mutual Approvals (FM) in the continuing development of alternative agents and innovative systems to enhance our global market presence far into the future. Our commitment to continued innovation, customer service and technical support enhances the success of our valued global network of distributors.

Mission and Vision

As a global manufacturer of Clean Agent Fire Suppression Systems, Chemori Americas is upholding the mission in enhancing the safety of lives and properties through the provision of high quality Fire Suppression Systems. Our vision is to build our strength as a prominent leader in the fire protection industry that provides environmentally friendly products and engineered solutions to protect the World's most critical and irreplaceable assets from fire and constantly meeting and exceeding the needs and expectations of our valuable customer.

Our Capabilities

Our scope of capability ranges from the conduct of detailed systems and fire suppression designing, the manufacture of cylinders and valves in various sizes to the capability of providing a complete range of fire protection products and systems. Some highlights are:

- Our Heavy Machinery Group manufactures a range of products, which include ISO Tanks, Pressure Vessels, Storage Tanks, and Precision Valves complying with International Standards & Approvals.
- We have a complete line of Pre-Engineered and Engineered Clean Agent Fire Suppression Systems.
- Programs for New Innovative Fire Extinguishing Systems are on-going.
- Various research and testing programs in coordination with Underwriters Laboratories (UL) and Factory Mutual Approvals (FM) are being conducted, based in our USA facilities.



WITH OUR MAIN FOCUS ON CLEAN AGENT SYSTEMS, WE SERVE OUR VALUED CUSTOMERS WITH FULL LINE OF PRE-ENGINEERED AND ENGINEERED FIRE SUPPRESSION SYSTEMS.

Clean Agent System



Chemori is pleased to introduce our Clean Agent Chemori 227™, a trademark of Chemori's HFC-227ea, Heptafluoropropane.

Chemori 227™ is our Underwriter's Laboratories (UL) Listed, and Factory Mutual (FM) Approved Clean Agent Fire Suppression product, which is colorless, odorless, safe for people, electronically nonconductive, noncorrosive and free of residue.

Chemori 227™ is a safe and effective "clean" fire suppression agent used in applications requiring total flooding of the protected spaces, with no cleanup required following its use.

Chemori 227™ does not contain chlorine or bromine, has zero ozone depletion potential (ODP), is not subject to any phase out schedule and carries no current or proposed regulations for fire protection use under the Montreal Protocol, Kyoto Protocol or F-Gas Regulations.

Chemori 227™ is our brand of HFC-227ea and complies fully with the standards of ASTM 06064 and NFPA 2001 and has achieved a minimum purity of 99.95 percent and less than 10ppm of moisture. It has less than 1ppm acidity as HF. The non-volatile residue is less than 0.05g/100ml.

All safety requirements are provided in Chemori 227™ Material Safety Data Sheet, MSDS number CHEM-00227.



Chemori FK-5-1-12 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 FK-5-1-12 is guaranteed to meet the minimum NFPA 2001 Requirements.

INERT GAS

Chemori Inert Gas Fire Extinguishing System consists of high pressure cylinders filled with either IG-55, IG-100 or IG-541 agent under pressure, connected to fixed piping and nozzles or hoses which is designed in accordance to the National Fire Protection Association (NFPA) 2001: Standard on Clean Agent Fire Extinguishing System and EN 15004: Fire Fighting System.

Seamless steel cylinders manufactured in accordance to the following specifications.

- Pressurized equipment directive 97/23/CE (CE Marking)
- Transportable pressurized equipment directive (TPED) 199/36/CE (π Marking)

Cylinders used for the inert gas system have the design pressure of 2,900 psi (200 bar) and 4,351 psi (300 bar) with the test pressure of 6,526 psi (450 bar). Each cylinder is equipped with valve containing a safety burst disc for protection against over pressurization due to elevated temperature.



Chemori's latest venture in eco-friendly extinguishing product is trademark as Eco7™. The Liquid Fire Extinguishing Clean Agent, Eco7™, is made based on a natural ingredient that has the ability to convert organic fertilizer when it meets soils and germs.

Eco7 is tested, highly concentrated, non-flammable, environmental friendly, non-toxic and contains no acids. It cleans any washable surface and may be used on painted surfaces, floors, machinery, precision parts and many other areas including tiles and carpets.

Eco7 contains no petroleum products and can be safely used in areas of high risk. This powerful cleaner penetrates grime for effective cleaning of almost any surface.

Eco7 has the ability to clean and degrease in one economical step, while ensuring hygienic and a safe environment. Eco7 is an economical product that can be used with assurance.



Carbon dioxide is an effective fire suppression agent applicable to a wide range of fire hazards. Since Carbon Dioxide is a gas, it does not leave behind water, foam or dry chemicals that can damage your sensitive property. These clean agent fire suppression systems take advantage of the extremely high density of carbon dioxide to quickly and effectively suppress fires. These systems are completely safe and can be found in today's industrial plants, commercial facilities and even aboard ships.

Fire Suppression System

PRE-ENGINEERED SYSTEM

Chemori Pre-engineered fire suppression systems are pre-fixed installations without the hassle of acquiring and assembling multiple parts. The Chemori pre-engineered systems have regulated pressure type with a fixed nozzle agent distribution network, pre-determined flow rates and quantities of Clean Agents, as well as the specific pipe sizes and number and types of nozzles. Our pre-engineered cylindered units are designed for total flooding protection against Class A, B and C fires which occur within an enclosed area.

ENGINEERED SYSTEM

Chemori engineered fire suppression systems grants consumers flexibility of fully customising for customers with more complex requirements needs such as manual/automatic only, or automatic with manual discharge systems. Our designs are based on engineering systems with the use of Flow Calculation Software to ensure we get the right specifications for our customers. Our engineered cylinder units are designed for total flooding protection against Class A, B and C fires which occur within an enclosed area.

DETECTION TUBING SYSTEM

Using Fire Suppress Detection Tubing, we offer the systems that are able to deliver the clean agent to extinguish fires effectively and quickly.

1. Direct Action Release System (DAR)

Fire Suppress Pre-Engineered Units can be configured for Direct Action Release (DAR) by utilizing the Fire Suppress Detection Tubing that acts as a fire detection device, a nozzle and a fire suppressant delivery in the system. Under this design, no electrical detection devices and alarm control units are used.

2. Secondary Action Release System (SAR)

Our Pre-Engineered units valve can be configured for Secondary Action Release (SAR) as well. This piping tubing is equipped with nozzles that are strategically positioned at and/or around the areas to be protected. Under this arrangement, the Fire Suppress Detection Tubing is used solely as a detection device only. This configuration will require electrical detection devices to be connected to the said Agent Release Control.



Our Service

Assets – Equipment, processes, products or operation, vital to your business.

People – Protection of your workforce is paramount for productivity and peace of mind.

Data – Both electronic and hard forms of stored data, servers, networks and communication equipment are critical to the success of all businesses.

Continuity – Companies and their customers depend on uninterrupted operations and services. Fire related downtime has severe effects on capital equipment, inventory, and opportunity losses from not meeting customer needs.

Why Choose Us:

Effective – With early detection, suppresses fire before damage is done.

Safe for People – People may remain inside the area, when egress is not practical.

Environmentally Friendly – U.S. EPA approved, with no restrictions for fire suppression.

Readily Available – For 20 years, the most widely used clean agent, with stock available around the world.

Common Application for Chemori Fire Suppression System

Data Processing

- Computer Rooms
- Data Storage Facilities
- Server Rooms

Transportation

- Light Rapid Transits
- Mass Transit Vehicles
- Commercial Aviation

Cultural

- Museums
- Libraries
- Archives

Telecommunication

- Cellular Sites
- Microwave Relay Towers
- PBX & IDF Rooms

Commercial Marine

- Engine Rooms
- Control Rooms
- Storage Rooms

Miscellaneous

- Bank Vaults
- Radio & TV Stations
- Laboratories

Control Rooms

- Combat Vehicles
- Military Aviation
- Control Rooms

Healthcare

- CT Scan & MRI Control Rooms
- Medical Record Storage
- UPS Rooms



BUILT YOUR BUSINESS WITH OUR GROWTH



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