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SUOLONG



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Multilingual Website



Wechat Official Account



SUOLONG FIRE



JIANGSU SUOLONG FIRE SCIENCE AND TECHNOLOGY CO., LTD.



SAY SAFETY SAY SUOLONG
SUOLONG

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ABOUT SUOLONG

【Corporate Heritage & Strength】

Founded in 1967, Suolong has devoted over five decades to fire-safety science and is now China's leading manufacturer of fire-extinguishing agents. On 18 September 2015 the company was listed on the National Equities Exchange and Quotations (NEEQ/"New Third Board", stock code 833571), placing itself at the forefront of the industry through standardized governance and technological excellence.

【Global Certifications & Worldwide Presence】

Driven by best-in-class quality, Suolong-branded foam concentrates have obtained a full-spectrum global approval portfolio:

Registered supplier to strategic sectors such as nuclear power, aerospace, oil & petrochemicals, and a technical contributor to the modernization of national-defense equipment.



SINCE
1967

Domestic Authorizations

- Ministry of Emergency Management (MEM) Fire-product Certification
- Environmental-performance Certification for Water-based Agents
- China Classification Society (CCS) Approval

International Accreditations

- UL (USA)
- Kitemark (UK)
- EN & BSI (EU/UK)
- ICAO (International Civil Aviation Organization)

Specialized Marine Approvals

- China CCS
- EU Marine Equipment Directive (MED)
- RINA (Italy)
- KR (Korea)
- RS (Russia)

Global footprint:

Suolong Fire products are exported to more than 60 countries and regions; Suolong is an approved vendor to many world-renowned corporations and continues to serve nuclear, aerospace, oil & petrochemical and defense-upgrade projects worldwide.



【Industry Leadership & Innovation Milestones】

Standard-setter:

Vice-chairman of the Fire-extinguishing Agent Sub-committee, National Fire-standardization Technical Committee; member of the Marine Fire-protection Sub-committee, National Marine-machinery Standardization Technical Committee. Participated in drafting or revising five national standards and four industrial standards, advancing technical norms across the sector.

R&D platforms:

Jiangsu Provincial Foam Extinguishing Agent Engineering Technology Research Center, Academician & Expert Workstation, Jiangsu Post-doctoral Innovation Base, Outstanding Post-graduate Workstation, and a joint key laboratory with the Tianjin Fire Research Institute of Ministry of Emergency Management (MEM). Suolong has undertaken more than ten national or provincial key R&D projects under China's 13th and 14th Five-Year Plans.

Proprietary core technology:

Suolong Fire has successfully developed PFOS-free and PFAS-free, eco-friendly foam concentrates. The self-owned intellectual property behind this breakthrough has earned 24 invention patents, driving the industry's green transformation through sustainable innovation.

【Mission & Vision】

Built on 50-plus years of expertise and bonded by a worldwide certification network, Suolong Fire is committed to delivering safe, environmentally responsible and highly efficient extinguishing solutions to the global fire-protection community. By shouldering the responsibility of "Technology for Fire Safety, Safeguarding Life & Assets" in strategic industries and national-defense programs, Suolong is marching toward the goal of becoming a world-class fire-science & technology enterprise.



SUOLONG TIMELINE



FUTURE

2022-2025

- Undertook National Key Project – Engineering & Industrialization of Natural-Disaster Prevention Equipment
- Participated in “Emergency Mission 2025” New-Rescue-Capability Drill
- Passed 5,000 m³ Storage-Tank Full-Scale Fire Test
- National “Green Factory” Laureate
- Undertook 14th Five-Year National Key R&D Program

2019-2021

- Undertook GEF-funded “China PFOS Priority Sector Reduction & Phase-out Project”
- Participated in the “China PFOS-Free Firefighting Agent” pilot program of the Fire Products Certification Center, Ministry of Emergency Management
- Obtained EN & BSI approvals

2015-2018

- NEEQ listing of Jiangsu Suolong Fire Science & Technology Co., Ltd.
- Academician & Expert Workstation established
- Participated in 13th Five-Year National Key R&D projects
- Appointed vice-chairman of National Fire-extinguishing Agent Sub-committee
- UL certification granted

2008-2014

- 3,100 m³ high-expansion foam system test completed with Korea SEAPLUS Co.
- MED approval obtained
- Jiangsu Provincial Foam Extinguishing Agent Engineering Technology Research Center founded

1998-2007

- Enterprise restructuring—Xinghua Suolong Fire Extinguishing Agents Co., Ltd. Established
- National Torch Program Key High-tech Enterprise designation

1967-1997

- “Suolong” trademark registered (1985)
- Predecessor “Xinghua Hongqi Chemical Plant” founded (1967)



EXECUTION SYSTEM >>>

- ✓ Management Systems
- ✓ Quality Management System ISO 9001
- ✓ Environmental Management System ISO 14001
- ✓ Occupational Health & Safety Management System ISO 45001
- ✓ Energy Management System ISO 50001
- ✓ ESG Management System
- ✓ China Environmental Labeling Product Certification
- ✓ Intellectual Property Management System
- ✓ After-Sales Service System

SUOLONG STRENGTH



We are

- Vice chairman unit of the Fire Extinguishing Agent Sub Technical Committee of China National Fire Standardization Technical Committee
- China National Key High-Tech Enterprise
- Green Factory Certified by Jiangsu Province Government

We participated in

- Formulation(revision) of seven China national and Industry standards for foam Extinguishing Agent

We own

- Jiangsu Province Foam Extinguishing Agent Engineering Technology Research Center
- Academician Workstation
- Jiangsu Province Post Doctoral Innovation Practice Base
- Co-construction Key National Foam Extinguishing Agent Research Center with Tianjin Fire Research Institute of China National Emergency Management Department

We undertook

- More than 10 national and provincial level scientific and technological research projects
- "13th Five-Year Plan" - National key research and development plans
- "14th Five-Year Plan" - National key research and development plans
- National emergency rescue key research plan

We have

- High efficiency and environmentally friendly foam concentrates
- Super low viscosity, super cold-resistant foam concentrates
- PFOS/PFOA free foam concentrates
- Fluorine free, PFAS free foam concentrates
- UL, EN, BSI., ICAO, MED, RINA, KR, RS approval



ENTERPRISE STRENGTH >>>

◆ Diverse Product Matrix—Tailor-made Solutions

166 high-efficiency, eco-friendly foam extinguishing agent models covering industrial firefighting, marine safety and urban rescue scenarios; customized solutions available for every client.

◆ State-of-the-art Production—Quality Benchmark

Advanced, intelligent production lines; large-scale indoor fire-test shop; dedicated wastewater-treatment center; full-process inspection equipment. Strong capacity, precise testing and green operation jointly set the industry benchmark.

◆ Rapid-response System—Safety Assured

Provincial emergency platform enables 800 tonnes / 24 h emergency manufacture & logistics, plus cross-region resource coordination. 24/7 hotline +86-400-1116-119 and professional teams deliver timely, expert and wholehearted service—protecting you anytime, anywhere.

PRODUCTION CAPACITY >>>

With more than 100 types of high-efficiency and environmentally friendly foam concentrates, Suolong Fire is able to meet various requirements from different customers. The complete equipments including advanced production equipment, standard test facility, 3000 M³ indoor fire test shop and sewage treatment center allow the production capacity, testing ability and service ability of Suolong Fire.

Suolong Fire's emergency production and cargo transfer capacity can reach 800,000 liters per 24 hours.

Any emergency, please call:

+86 523 8230 0896

As a reliable manufacturer of foam concentrate, Suolong Fire can provide timely, professional and excellent service for you!



EMERGENCY SERVICE >>>

With stock of more than 800,000 liters various types of foam concentrates and Global Service Station in the World, Suolong Fire is able to provide very quick delivery service for any emergency needs.

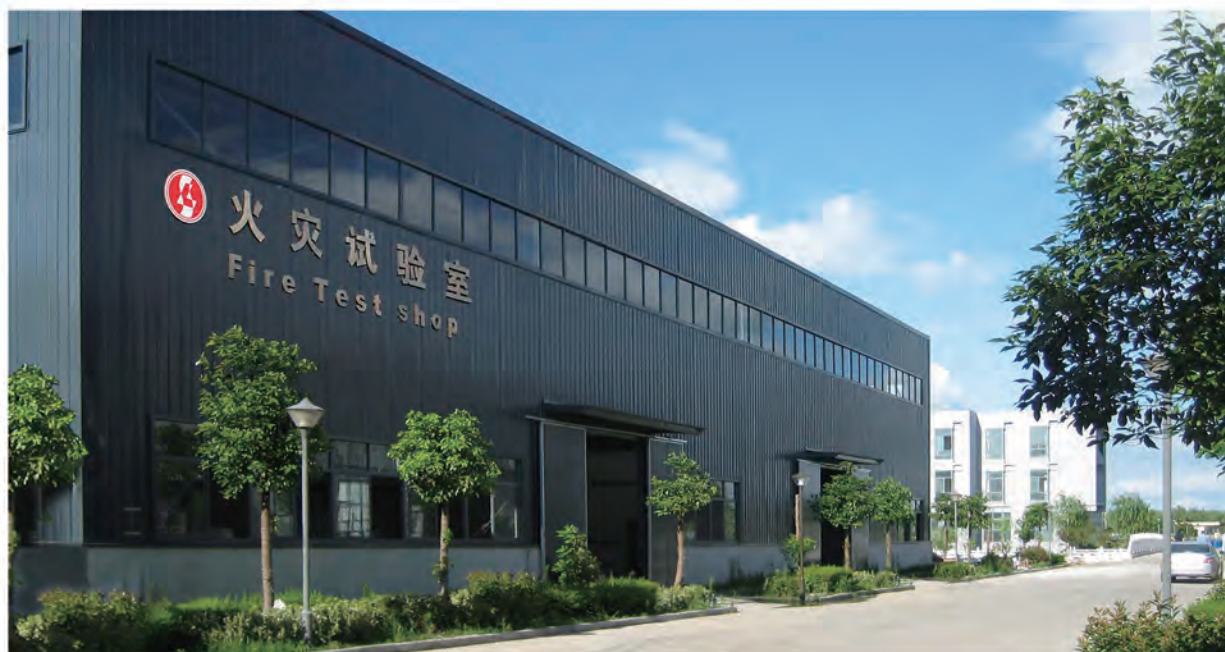
As an emergency materials reserve unit of foam concentrates for Beijing Fire Bureau, Shanghai Fire Bureau, Jiangsu Fire Bureau, Hunan Fire Bureau, Tianjin Fire Bureau, and many other Fire Bureaus in China, Suolong Fire has provided many times emergency deliveries in the past and successfully extinguished many large fires rapidly.

We are protecting people's lives and property.



FOAM TESTING SERVICE >>>

Suolong Fire's independent foam laboratory, in accordance with ISO/IEC 17025: 2005, is approved by CNAS, RINA, CCS. Foam concentrate properties and performance may decline over time, even when stored under optimal conditions, so many industry standards require annual foam testing, our foam laboratory can provide fast and reliable test service. Please contact us if any needs.



R&D CAPABILITIES >>>

As the Deputy Chairman Unit of the Extinguishing Agent Sub-Committee under the National Fire Protection Standardization Committee, Suolong Fire deeply participates in the formulation and revision of 5 National Standards and 4 Industry Standards, leading the standardized development of the industry. Supported by premier R&D platforms such as the Academician Expert Workstation and Postdoctoral Innovation Practice Base, the company has undertaken more than 10 national-level scientific research projects, including the National Key R&D Programs of the "13th Five-Year Plan" and "14th Five-Year Plan". Suolong Fire's achievements have been recognized with 3 scientific awards at or above the provincial/ministerial level, and it possesses 24 core invention patents.

Through continuous innovation, the company has successfully developed PFAS-free environmentally friendly foam concentrates, breaking the foreign technological monopoly. This accomplishment underscores the company's status as a National Intellectual Property Advantage Enterprise and sets a new benchmark for green development within the fire protection industry.



FIELD DRILLS TANK EXPERIMENTS

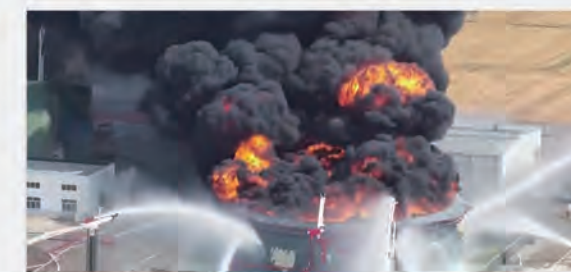


EMERGENCY MISSION · 2025 >>>

On the morning of June 24, 2025, the National Committee for Disaster Prevention, Reduction and Relief and the State Council's Work Safety Committee conducted the "Emergency Mission · 2025" exercise, designed to test new qualitative rescue capabilities in extreme disaster and accident scenarios.

The exercise focused on extremity, professionalism, and practical applicability, highlighting new qualitative rescue capabilities involving new equipment, technologies, materials, and tactics. It featured 23 scenarios across 4 specialized themes: emergency response under conditions of road disruption, communication blackout, and power failure; suppression of major forest fires in primitive forest areas; emergency response for large storage tank fire and explosion accidents; and high-rise building fire suppression in urban settings. These were conducted in Dongning City and the Greater Khingan Range area of Heilongjiang Province, Puyang City in Henan Province, and Shenzhen City in Guangdong Province, respectively.

During the "Emergency Mission · 2025" exercise, Suolong Fire Protection's firefighting foam successfully handled high-risk fire scenarios including major forest fires in primitive forest areas, large storage tank fire and explosion accidents, and urban high-rise building fires. Its characteristics – rapid fire control, environmental friendliness, non-toxicity, and resistance to re-ignition – were fully validated. This not only served as a concentrated display of technical achievements but also represented a vivid practice of the company's response to the national modernization of the emergency response system and its service to the mission of addressing "all types of disasters and major emergencies".





1000 m² COAL TAR SPILL FIRE LIVE DRILL >>>

On October 21, 2021, during the nation's first live-fire drill involving a 1000 m² coal tar spill fire held in the Yushen Industrial Park, Yulin City, Shaanxi Province, Suolong Fire Protection provided full product support. Using Suolong brand environmentally friendly and highly efficient firefighting foam, the Yulin City Fire and Rescue Detachment successfully extinguished the large fire in just 4 minutes and 27 seconds, setting a new record for fire suppression in China's coal chemical industry and providing a reliable safety solution for this sector.

This drill verified the outstanding performance of Suolong firefighting foam under extreme fire conditions:

- Successfully tackled a large-scale 1000 m² coal tar spill fire.
- Achieved rapid extinguishment in 4 minutes and 27 seconds.
- Demonstrated the practical effectiveness of the eco-friendly foam.
- Enabled the application and promotion of various new firefighting tactics like "Multi-echelon" and "Triple-overlay".



FULL-SCALE FIRE TEST ON A 5000m³ STORAGE TANK >>>

In July 2024, a groundbreaking full-scale fire test on a 5000m³ storage tank was successfully conducted at the Songmudao Chemical Industrial Park in Dalian, China, setting a new global record in the petrochemical firefighting sector. As the largest and most complex storage tank fire suppression test of its kind to date, it comprehensively validated the exceptional performance of China's independently developed PFOS-free firefighting foam in extinguishing various types of petrochemical fires.

Key Test Values:

- World's first full-scale fire test on a 5000m³ class storage tank.
- Fully verified the effectiveness of PFOS-free foam on both polar and non-polar fuel fires.

As a core technical support unit, Suolong Fire Protection's environmentally friendly firefighting foam performed excellently in this milestone test, providing crucial technical support for the green transformation of China's fire protection industry.

SALES TERRITORY

In domestic market, Suolong Fire provides high-quality fire protection products and services to different customers in various fields for many years, including Chinese People's Liberation Army; Fire Bureaus such as Shanghai Fire Bureau, Beijing Fire Bureau, etc; National key energy enterprises such as CNPC, Sinopec, CNOOC, CNNC, and CGN; Beijing Daxing Airport, Shanghai Pudong Airport, Air Force Airport and other major airports; China Shipbuilding Heavy Industry, China Shipbuilding Group and other clients.

In international market, our products are exported to over 60 countries and regions, including South Korea, Singapore, UAE, Saudi Arabia, Japan, Philippines, Indonesia, Vietnam, Venezuela, Turkey, Italy, Denmark, Greece, the United States, etc.



COOPERATIVE PARTNERS

DOMESTIC PARTNERS

 中国石油	 SINOPEC	 中国海油 CNOOC	 中国航油 CNAF
 国家管网 PipeChina	 中化 SINOCHEM 科 学 至 上	 中船重工	 中国船舶工业集团公司 CHINA STATE SHIPBUILDING CORPORATION
 BCIA	 上海机场集团 SHANGHAI AIRPORT AUTHORITY	 中核集团 CNNC	 中广核 CGN
 招商局集团 CHINA MERCHANTS GROUP	 国家电网公司 STATE GRID CORPORATION OF CHINA	 MOUTAI 贵州茅台集团	 五粮液

INTERNATIONAL PARTNERS

 Johnson Controls	 tyco	 SEAPLUS	 survitecgroup
 Wilhelmsen Ships Service	 NK	 BASF	 Bahri البحري
 minimax	 Shell	 PDVSA	 Saudi Sici السعودية
 PARCO	 Vopak	 Poseidon MARINE SUPPLIES - WORLDWIDE FRs	 DESMI
 PAPCO	 FAIN FIRE & SAFETY	 EVERSAFE	 National Refinery Limited

SUOLONG FOAM CONCENTRATES

Suolong Fire manufactures various foam concentrates, including Fluorine Free Foam(SFFF, AR-SFFF), AFFF, AR-AFFF, Protein, Fluoroprotein, FP-AR, FFFP, AR-FFFP, High Expansion Foam, Class A foam, Training Foam, etc. Suolong foam concentrates are high efficiency and environmentally friendly.



SFFF Foam (PFAS Free)

SUOLONG ECO SFFF is a Synthetic Fluorine Free Foam Concentrate (SFFF) that provides excellent fire and vapor suppression for Class B hydrocarbon fuel fires. It is predominantly synthetic, typically composed of blended surfactants and often incorporate polysaccharides.
Proportioning rate: 1%, 3%, 6%

AR-SFFF Foam (PFAS Free)

SUOLONG ECO AR-SFFF is an Alcohol Resistant Synthetic Fluorine Free Foam (AR-SFFF) Concentrate, which is non-fluorinated foam formulations designed for use on Class B flammable liquid fires. AR-SFFF provides effective fire and vapor suppression for both hydrocarbon and polar solvents fuel fires.
Proportioning rate: 3x3, 6X6

AFFF foam

Suolong AFFF foam is adaptable for use in various low and medium expansion foam equipment. It is high efficiency and environmentally friendly, containing no PFOS and PFOA.
Proportioning rate: 1%, 3%, 6%

Protein foam

Suolong protein foam concentrate has an efficient extinction on hydrocarbon fuel B fires. It is adaptable to various low expansion foam system. In addition to PFOS/PFOA free, Suolong protein foam is fluorine free foam (PFAS free).
Proportioning rate: 3%, 6%

Fluoroprotein foam

Suolong fluoroprotein foam concentrate is adaptable to various low expansion foam equipment. It is high efficiency and environmentally friendly, containing no PFOS and PFOA.
Proportioning rate: 3%, 6%

FP-AR foam

Suolong FP-AR foam is alcohol resistant fluoroprotein foam concentrate. It is specialized in extinguishing polar solvent and flammable hydrocarbon fires. Suolong FP/AR foam is super low viscosity, it is adaptable to various low expansion foam system. It is high efficiency and environmentally friendly, containing no PFOS and PFOA.
Proportioning rate: 3-3%, 6-6%

FFFP foam

Suolong FFFP is a superior film forming fluoroprotein foam concentrate, it maintains a stable fluidity and foam endurance on flammable liquids. It also has rapid knock down property and good compatibility with dry chemical powder. It is high efficiency and environmentally friendly, containing no PFOS and PFOA.
Proportioning rate: 3%, 6%

AR-FFFP foam

Suolong FFFP/AR foam is alcohol resistant film forming fluoroprotein foam concentrate. This foam maintains a stable fluidity and foam endurance on flammable liquids. It is high efficiency and environmentally friendly, containing no PFOS and PFOA.
Proportioning rate: 3-3%, 6-6%

High expansion foam

Suolong high expansion foam can quickly form large volumes of foam and fill the entire space within a few minutes, it is applicable in enclosed spaces. When used preventatively, Suolong high expansion foam displaces flammable gas, providing effective protection from flames and heat exposure. In addition to PFOS/PFOA free, Suolong high expansion foam is fluorine free foam (PFAS free).
Proportioning rate: 2%, 3%, 6%



Class A foam

Suolong Class A foam is effective on wildland fires, applicable from 0.1% to 1%. It has high wetting capability. It is a highly-effective foam extinguishing agent for use in compressed air equipment. This foam controls fires quickly and efficiently while creating a high degree of heat insulation. In addition to PFOS/PFOA free, Suolong Class A foam is fluorine free foam.
Proportioning rate: 0.1%-1%

Training foam

Suolong training and testing foam enables consumers to train for every type of foam operation and test installations and equipment. These foams are environmentally friendly and completely biodegradable. Low foam stability facilitates swift removal of the foam following training and testing exercise. Training foams are not suitable for fire extinguishing operations.
Proportioning rate: 1%, 3%, 6%

F-500 extinguishing agent

Suolong F-500 is a super efficiency extinguishing agent for fire suppression, it is non-toxic and not harmful to the environment, people and wildlife. Suolong F-500 knocks down fires very fast because it operates very rapidly on a cellular level to encapsulate flammable liquids and gasses. It is high efficiency and environmentally friendly, containing no PFOS and PFOA.

Water-based fire extinguishing agent

Suolong water-based fire extinguishing agent is applicable for fire prevention and fire fighting in petroleum, chemical, polar solvents, etc. It is also used for emergency fire rescue forces to fight Class A and Class B fires. It is high efficiency and environmentally friendly, containing no PFOS and PFOA.





FLUORINE FREE FOAM (SUOLONG ECO SFFF)



Synthetic Fluorine Free Foam (SUOLONG ECO SFFF) is a particularly high-performing firefighting foam formulated with special surface-active ingredients, polymer film formers, foam stabilizers, and antifreeze additives, which largely derive from renewable raw materials. It is designed without any adding of fluorine, silicon organic compounds, or preservatives, meeting the highest standards in terms of environmental performance. This synthetic foam is harmless to the environment and completely biodegradable.

The ECO SFFF is suitable for low and medium expansion applications. It is highly efficient at extinguishing hydrocarbon fires, such as those involving diesel, crude oil, petroleum distillate, and kerosene.

This foam offers class-leading performance for fire knock-down and control, creating a long-lasting foam blanket for extended post-extinguishment burn-back resistance and vapor suppression.

Type: SUOLONG ECO SFFF 1%
SUOLONG ECO SFFF 3%
SUOLONG ECO SFFF 6%

SUOLONG Eco





ALCOHOL-RESISTANT FLUORINE FREE FOAM (SUOLONG ECO AR-SFFF) >>>



Alcohol-Resistant Fluorine Free Foam (SUOLONG ECO AR-SFFF) is a particularly high-performing fire-fighting foam formulated with special surface-active ingredients, polymer film formers, foam stabilisers, and antifreeze additives—mostly derived from renewable raw materials. It contains no added fluorine, organosilicon compounds, or preservatives, meeting the highest standards in terms of environmental performance. This foam is environmentally harmless and completely biodegradable.

The ECO AR-SFFF is suitable for low and medium expansion applications. It is designed to extinguish both hydrocarbon fires and polar solvent Class B fires (e.g., fires involving alcohols, esters, ethers, aldehydes, ketones, benzene, etc.) and can quickly control the spread of fire. Widely used in fire prevention and fighting for petrochemical industries, oil fields, oil depots, and ships, ECO AR-SFFF also features class-leading and cross-functional performance: it enables fast fire knock-down and control, forms a long-lasting foam blanket that provides extended post-extinguishment burn-back resistance, and effectively suppresses vapor diffusion.

Type: SUOLONG ECO AR-SFFF 3X3
SUOLONG ECO AR-SFFF 6X6

SUOLONG Eco®

AQUEOUS FILM FORMING FOAM CONCENTRATE (AFFF) >>>



Aqueous film forming foam concentrate is formulated of hydrocarbon and fluorocarbon surfactant. It generates an aqueous film barrier at a hydrocarbon fuel and air interface. Because of its extremely low surface tension, it spreads rapidly on the fuel surface. Aqueous film-forming foam forms a dense foam layer on the fuel surface to isolate oxygen, spreading quickly and extinguishing fire quickly.

It has strong stability, can inhibit the volatilization of liquid fuels, prevent re-combustion, and is intended for the prevention and fire fighting of non water-soluble flammable and combustible liquid fires such as crude oil, petroleum, diesel oil and aviation fuel.

Aqueous film-forming foam concentrate can be used in combination with dry powder extinguishing agent to extinguish the fire, or it can be used to extinguish the oil tank fire by underwater spraying. Applicable for aircraft hangars, oil fields, oil depots, refineries, ships, docks, oil tank loading and unloading areas, and processing areas.

This product has the characteristics of high fire extinguishing efficiency and long storage period. It is environmentally friendly and contains no PFOS and PFOA.

ALCOHOL-RESISTANT AQUEOUS FILM FORMING FOAM CONCENTRATE (AFFF/AR) >>>

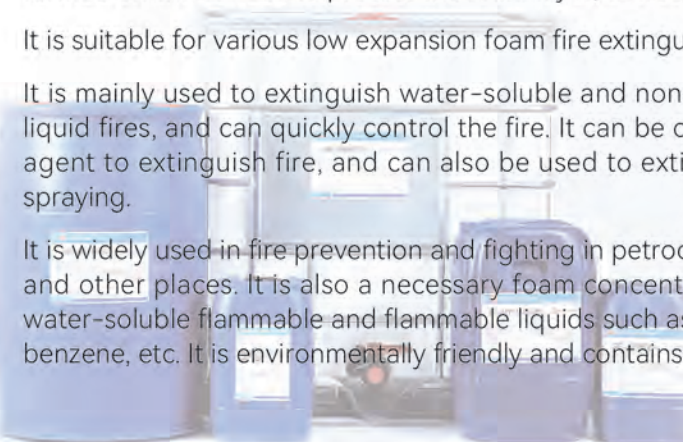


The alcohol-resistant aqueous film forming foam concentrate is formulated from fluorocarbon surfactants, high molecular polymers, cosolvents, antifreeze agents, and stabilizers. It contains high molecular polymers. During the process of extinguishing polar solvent fires, a polymer membrane is formed on the surface to protect the foam layer, thereby isolating oxygen and extinguishing the fire.

It is suitable for various low expansion foam fire extinguishing systems and mobile foam system.

It is mainly used to extinguish water-soluble and non-water-soluble combustible and flammable liquid fires, and can quickly control the fire. It can be combined with dry powder fire extinguishing agent to extinguish fire, and can also be used to extinguish liquid fires by means of submerged spraying.

It is widely used in fire prevention and fighting in petrochemical industries, oil fields, oil depots, ships and other places. It is also a necessary foam concentrate for enterprises that produce and store water-soluble flammable and flammable liquids such as alcohols, esters, ethers, aldehydes, ketones, benzene, etc. It is environmentally friendly and contains no PFOS and PFOA.





SUPER LOW VISCOSITY ALCOHOL RESISTANT FLUOROPROTEIN FOAM CONCENTRATE (FP/AR)



The super low viscosity alcohol resistant fluoroprotein foam concentrate is a fluoro-protein alcohol resistant foam concentrate which consists of hydrolyzed protein based foam with fluorocarbon surfactants. It can be mixed quickly and efficiently when mixed in proportion, which improves the stability of equipment operation, faster fire extinguishing speed, and improves the efficiency of fire rescue. This foam is specialized on extinguishing polar solvent and flammable hydrocarbon fires, used in chemical plants, wineries, chemical storerooms, and ships where water-soluble flammable liquids such as alcohol, ester, ether, aldehyde, ketone, and organic acids are produced or stored.

This low viscosity FP/AR foam has low expansion property and it's adaptable to various foam system. Because of low viscosity, it can flow quickly in the very narrow diameter pipes. So it can fast and effectively extinguish fire.

It is high efficiency and environmentally friendly, containing no PFOS and PFOA.



PROTEIN FOAM CONCENTRATE(P)



FLUOROPROTEIN FOAM CONCENTRATE(FP)



Protein foam concentrate is composed of natural hydrolyzed protein, foam stabilizer, slow-release agent, etc. Protein-based foam concentrate forms a strong foam cover to extinguish liquid fires and inhibit fuel evaporation.

Fluoroprotein foam concentrate is to add special fluorocarbon surfactant to the protein foam to reduce the surface tension of the foam concentrate to enhance the fire extinguishing performance of the foam. It can be combined with dry powder fire extinguishing agent to extinguish fire.

Protein and fluoroprotein foam concentrates are mainly used in fixed and semi-fixed fire extinguishing systems. The foam concentrates are extracted using international advanced technology. They are completely biodegradable foam concentrates and will not have adverse effects on the environment after fire extinguishing.

Protein and fluoroprotein foams are high efficiency and environmentally friendly, containing no PFOS and PFOA. In addition to PFOS/PFOA free, protein foam is fluorine free foam(PFAS free).



LOW VISCOSITY ALCOHOL RESISTANT FILM FORMING FLUORO-PROTEIN FOAM CONCENTRATE (FFFP/AR)



Low viscosity FFFP/AR foam concentrate can be dispersed through the typically narrow diameter stainless steel pipes. It maintains the excellent stability, but it also contains its special surfactant and maintains excellent fluidity, foam endurance, steady performance, and excellent extinguishing capabilities.

It is widely used in fire protection and fire extinguishments in airports, oil fields, large chemical plants, chemical storerooms, oil depots and ships.

It is high efficiency and environmentally friendly, containing no PFOS and PFOA.



HIGH EXPANSION FOAM CONCENTRATE (HEF)



High expansion foam concentrate contains hydrocarbon surfactants, high-efficiency solvents and stabilizers, and does not contain fluorocarbon surfactants. The high expansion foam produces expansion ratios from 200:1 to 1000:1, applicable to suppress and extinguish Class A, Class B and LNG fires.

High expansion foam is usually applicable for fire fighting of large buildings with high-value properties, it can quickly form large volumes of foam and fill the entire space within a few minutes therefore it is applicable in enclosed spaces.

It is widely used in fire protection and fire extinguishments in underground tunnels, airports, warehouses, garages, ships, coal mines and other places.

In addition to PFOS/PFOA free, Suolong high expansion foam is fluorine free foam(PFAS free).



CLASS A FOAM >>>



Class A foam is effective on common combustible material fires (Class A fires), such as wood, paper, cardboard, fabric, vehicles, tires, garbage, coal, rubber, plastic, or house fires. The foam concentrate is also used in the prevention and suppression of forest fires, bush fires and wildland fires, applicable from 0.1% to 1%.

The high wetting capability of the foam reduces the surface tension of the water, allowing the bainitic material to penetrate more efficiently than ordinary water when cooled.

It is a highly-effective foam concentrate for use in compressed air equipment. This foam controls fires quickly and efficiently while creating a high degree of heat insulation. In addition to PFOS/PFOA free, the Class A foam is fluorine free foam.



F-500 EXTINGUISHING AGENT >>>



F-500 is a super efficiency extinguishing agent for fire suppression, it is non-toxic and not harmful to the environment, people and wildlife. F-500 knocks down fires very fast because it operates very rapidly on a cellular level to encapsulate flammable liquids and gasses.

The high content of active substances in the extinguishing agent can decompose the fuel and prevent the fuel from continuing to burn at the source. At the same time, the sprayed water mist expands rapidly when encountering high temperature, so that the burning material is isolated from the air and quickly extinguishes the fire.

F-500 extinguishing agent is suitable for fire prevention and fire fighting in petroleum, chemical, airport, oil storage bases and other hazardous chemical production and use units, as well as in densely populated places. It is also used for emergency fire rescue forces to fight Class A and Class B fires.

F-500 extinguishing agent is safe, non-toxic, environmentally friendly, and easy to operate, and can extinguish various types of common fires. It is high efficiency and environmentally friendly, containing no PFOS and PFOA.



SUOLONG FOAM APPLICATIONS OVERVIEW

LAND MARKET

All the foam extinguishing agents of Suolong Fire comply with Chinese National standard and obtain fire protection product certification of the National Emergency Management Department. In addition to domestic certifications, Suolong foam also obtained many international approval certificates such as UL, EN, ICAO, BSI, etc. Widely used in petrochemical corporation, petroleum gas storage and transportation, fire emergency rescue, airport, dock and other industries.



MARINE MARKET

The high-efficiency, environmentally friendly and seawater-resistant foam concentrates developed by Suolong Fire have obtained the certifications of CCS, MED, RINA, KR, RS, ICAO, etc.

In marine market, we provide high quality foam concentrates and excellent after-sales service for Johnson Controls, Survitec, NK and subsidiary corporations of CSSC(China State Shipbuilding Corporation Limited) and CSIC(China Shipbuilding Industry Group Co., Ltd.), such as Jiangnan Shipyard, Guangzhou Shipyard International, Bohai Shipyard, and Korean Hyundai Heavy Industries, Samsung Heavy Industries, Daewoo Shipbuilding & Marine Engineering, and many other shipyards.

Additionally, Suolong Fire can provide customized foam concentrates for special purpose and has successfully supplied specific foams for "Xuelong" scientific research ship of the Antarctic, coast guard ship, fire tugboat and others.

