



**SANMEI**



**SANMEI**

COMPANY BROCHURE

**SANMEI**

**ZHEJIANG SANMEI  
CHEMICAL IND. CO., LTD.**

[WWW.SANMEICHEM.COM](http://WWW.SANMEICHEM.COM)

**ZHEJIANG SANMEI CHEMICAL IND. CO., LTD.**

Add: No.218, Qingnian Road, Wuyi County, Zhejiang Province, 321200, China.

Http: [www.sanmeichem.com](http://www.sanmeichem.com)

Tel : 086-579-87641888

Fax : 086-579-87645878

E-mail: [sales@sanmeichem.com](mailto:sales@sanmeichem.com)

**ISO9001-ISO14001-IATF16949-ISO45001**

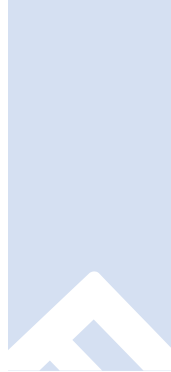


**SCAN THE CODE TO FOLLOW SANMEI.**

Please understand that contents in the Brochure will be altered along with the product update without further notice. In spite of multiple revisions for accuracy of the information, the Brochure is only for reference.

June 2023

**STOCK CODE : 603379**



# CONTENTS

## ZHEJIANG SANMEI CHEMICAL IND. CO., LTD.

01/02	ENTERPRISE VISION	03	SPEECH OF THE CEO
04	SUBSIDIARIES OF SANMEI	05	OVERALL POSITIONING DEVELOPMENT GOAL
06	PRODUCTION CAPACITY	07/08	ABOUT THE COMPANY
09/10	COMPANY HISTORY	11/12	NDUSTRY SCALE
13/14	MAIN PRODUCTS	15/16	PARTNERS BRAND PROMOTION
17/18	SALES NETWORK	19/20	QUALITY CERTIFICATION CARE FROM THE LEADERSHIP
21/22	SOCIAL CONTRIBUTION HONORS SOCIAL RESPONSIBILITY EMPLOYEE CULTIVATION	23	SOCIAL RESPONSIBILITY

SANMEI CHEMICAL





Our Corporate Vision

# SANMEI STOCK

TO BE THE WORLD'S LEADING PROVIDER  
OF FLUORINE PRODUCTS





# SPEECH OF THE CEO

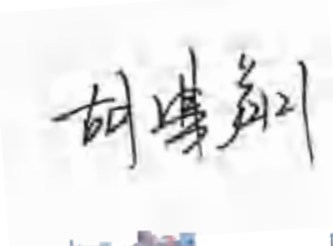


Sanmei Chemical, founded in 2001, is a fluorine chemical enterprise committed to technological innovation and environmental protection, with the vision of becoming a global leader in fluorine products. From the very beginning, the company has established the mission of "creating value for customers through affecting labor, providing a career home for employees, pursuing a green enterprise that is long-lasting and sustainable, and forming a 'community of shared future' among customers, employees, companies, and society." This mission has been consistently upheld.

The company has always closely followed the national industrial development direction, adhered to the sustainable development strategy, exerted its own advantages, and continuously cultivated and innovated in the fluorine chemical industry, increasing investment in safety, environmental protection, and scientific research and development. It is committed to the development and production of new environmentally friendly fluorine-containing products, and consciously undertakes the corporate responsibility of protecting the "earth home".

After nearly twenty years of unremitting efforts, the company has established subsidiaries in Fujian, Jiangsu, Chongqing, Shanghai, and Guangdong to meet regional development needs, promote regional cooperation, and promote local economic and social development. Today, the company has a high-quality team of fluorine chemical professionals, with a range of high-quality products covering more than 100 countries and serving over 1,000 customers. However, Sanmei regards this only as the beginning of its corporate development. Its original intention and responsibility make Sanmei not satisfied with its current achievements, and it will continue to work towards creating a safer, more environmentally friendly, and healthier environment.

Faithfully yours,  
Hanson Hu  
胡洪翔  
President and CEO  
Zhejiang Sanmei Chemical Ind. Co., Ltd.



# SUBSIDIARIES OF SANMEI



## SANMEI'S WHOLLY-OWNED SUBSIDIARY

Jiangsu Sanmei Chemical Ind. Co., Ltd.	+	Fujian Qingliu Dongying Chemical Ind. Co., Ltd.	+
Zhejiang Sanmei Chemical Products Co., Ltd.	+	Chongqing Xinchun Industry Co., Ltd.	+
Fluo Shanghai International Trade Co., Ltd.	+	Zhejiang Sanmei Refrigeration Fittings Co., Ltd.	+
Guangdong Furun Chemical Co., Ltd.	+	Chongqing JiaLiHe New Material Technology Co., Ltd.	+



## SANMEI EQUITY PARTICIPATION COMPANY

Zhejiang Shengmei Lithium Battery Materials Co.Ltd.	+
Zhejiang Yangsheng Thermal Environmental Protection Co., Ltd.	+



## SANMEI SINO-FOREIGN JOINT VENTURE

ZheJiang Morita New Materials Co.,Ltd.	+
--	---







# PRODUCTION CAPACITY

WWW.SANMEICHEM.COM

So far, the production facilities built by the company include:

AHF	131,000t/a
New Mixed Refrigerant	25,000t/a
Production Quotas:	
R134a	51,506t/a
R125	31,498t/a
R32	27,779t/a
R143a	6,285t/a
HCFC-141b	14,538t/a
HCFC-142b	1,706t/a
HCFC-22	9,547t/a

Joint venture Morita New Materials:

HF-H <sub>2</sub> O	20,000t/a
BOE	17,000t/a
Project In Progress: ZheJiang SanMei	
PVDF	5,000t/a
FEP	5,000t/a
Fujian Dongying Chemical	
LiPF <sub>6</sub>	6,000t/a
R116	2,000t/a
Equity investments: Shengmei Lithium Battery	
LiFSI	3,000t/a

(Statistical data of February 2024)

## OVERALL POSITIONING



## DEVELOPMENT GOAL

Travelling is bounded while beauty is unlimited. As for overall positioning in the future, the company is focusing on building industry competitiveness and developing fluorine industry chain. It will devote to the development and production of fluorine chemical products, and build a long-lasting enterprise of green charm, competitive vigor and team cohesion to make Sanmei a leading enterprise in the national fluorine industry development. Through brand strategy and with global operation network, Sanmei will continuously satisfy people's demands for production and life with superior products and services.

The development goal of Sanmei Chemical is to become a global leader in the fluorine products industry. The company will focus on technology, environmental protection, and internationalization to strive to become a world-class manufacturer of fluorine refrigerants and foaming agents, providing the market with a variety of green, low-carbon products with excellent performance. Leveraging its advantages in the fluorine chemical industry, the company is committed to researching and producing high-purity fluorinated electronic chemicals to provide stable and reliable key materials for the semiconductor and photovoltaic industries. The company will also increase investment in the research and development and production of fluorine-containing new materials in the field of new energy, such as lithium hexafluorophosphate, lithium bis(fluorosulfonyl)imide, and high-performance fluorine-containing polymers, to continuously extend and enrich the fluorine product industry chain and build a world-renowned fluorine chemical production base that is domestically first-class and internationally advanced.



# ABOUT THE COMPANY



## Company Profile

Zhejiang Sanmei Chemical Industry Co., Ltd. is located in the Hu Industrial Zone, New materials Industrial Park, Wuyi County. It is a privately owned joint-stock enterprise mainly engaged in research and development, production, and sales of fluorine-containing chemical products. The company was listed on the SSE main board in April 2019. After more than 20 years of development, Sanmei has formed a product pattern consisting of more than ten products, including organic fluorine, inorganic fluorine, refrigerants, and foaming agents. The company has established a sound quality, environmental, energy, and occupational health and safety management system, with more than 40 patents and more than 10 national, industry, and group standards. Sanmei has been selected as one of the top 500 chemical companies in China for many years and is known as the "evergreen tree of the top 500 chemical companies in China". In the future, Sanmei will continue to strive to become an international first-class manufacturer of fluorine refrigerants and foaming agents, and is committed to the research and development and production of fluorine-containing high-purity electronic chemical products, fluorine-containing lithium battery products, and fluorine-containing high-performance polymer products.



**Integrity** / Fairness, integrity,  
Innovation and excellence.

COMPANY NAME	ZHEJIANG SANMEI CHEMICAL IND. CO., LTD.
FOUNDED	MAY 11, 2001
CEO	HANSON HU
REGISTERED CAPITAL	610 MILLION RMB
STOCK CODE	603379
STAFF	2000+
ADD	218, QINGNIAN ROAD, WUYI COUNTY, ZHEJIANG PROVINCE, CHINA.



09/10

# COMPANY HISTORY

FOCUS IS  
EVERYTHING

CHEMCHINA  
TOP500

STOCK CODE  
603379

**1999/June**

Establishment of Zhejiang Sanmei Chemical Ind. Co., Ltd.

**2001/May**

Zhejiang Sanmei Chemical Ind. Co., Ltd. established. First AHF3,000t/a production line started.

**2003/March**

Zhejiang Sanmei 5,000t/a 141b production line started.

**2003/April**

Zhejiang Sanmei AHF production line expanded to 19,000t/a, and then expanded to 41,000t/a after technical upgrade.

**2003/December**

Dongying Chemicals established first AHF production line of annual output of 10,000 tons.

**2004/June**

Zhejiang Sanmei 12,000t/a R22 production line started.

**2007/June**

Zhejiang Sanmei expanded to 4,0000t/a 141b.

**2007/September**

Dongying Chemicals improved AHF capacity to 20,000t/a.

**2008/October**

Zhejiang Sanmei established 10,000t/a R143a production line.

**2010/December**

Zhejiang Sanmei 5,000t/a R134a production line started, expanded to 25,000t/a the next year.

**2011/May**

Dongying Chemicals established second 20,000t/a AHF production line.

**2012/May**

Jiangsu Sanmei 50,000t/a AHF production line started, total AHF capacity of Sanmei reached 131,000 tons.

**2013/March**

Jiangsu Sanmei 10,000t/a R32 production line started.

**2013/April**

Jiangsu Sanmei 20,000t/a R134a production line started.

**2013/August**

Zhejiang Sanmei 10,000t/a R125 production line started.

**2016/June**

Established Sanmei Automobile Refrigerant Automation Workshop Production Line (phase II), annual capacity reached 15 million tanks.

**2019/December**

The JV enterprise Morita New Material microelectronic etching materials project phase I established Trial production.

**2022/May**

Fujian Dongying R116 product achieved trial production; 6000t/a lithium hexafluorophosphate environmentally friendly fluorine product project started construction.

**2022/February**

Shengmei Lithium's lithium bis(fluorosulfonyl imide) (FSI) project commenced construction and is expected to achieve trial production in April 2023.

**2022/October**

Zhejiang Sanmei FEP and PVDF fluorine material project started construction.

**2016/September**

Dongying Chemicals 20,000t/a R125 production line started, total capacity reached 30,000t/a. Total capacity of Sanmei reached 52,000t/a after technical upgrade.

**2016/October**

Jiangsu Sanmei R134a expanded annual capacity to 20,000t/a after technical upgrade, total R134a capacity of Sanmei reached 65,000t/a.

**2019/April**

Successful IPO of Sanmei on A-share mainboard. Stock abbreviation: Sanmei Holding. Stock code: 603379.

**2019/June**

Fujian Dongying annual output of 30,000 tons, R32 production line tested successfully.



## Jiangsu Sanmei Chemical Ind. Co., Ltd.

Established in 2010, the company, with Zhejiang Sanmei Chemical Ind. Co., Ltd. as the main body, is invested and set up in Yangkou Chemical Industrial Park of Jiangsu Rudong Coastal Economic Development Zone, and is a chemical enterprise mainly producing fluorine chemicals. It has successively passed accreditation by Nantong Enterprise Technology Center, Jiangsu Enterprise Postgraduate Workstation and Nantong Giant Technology Enterprise. It has won "Gold Bull Prize" for Jiangsu Rudong Enterprise for outstanding annual contribution. Its main products include AHF, R32 and R134a.

## Fujian Qingliu Dongying Chemical Ind. Co., Ltd.

Established in 2002, the company is located at Da Lu Kou Chemical Park of Qingliu County, Fujian Province. The company mainly produces AHF, R125 and R32. Adhering to standard management and honest operation, the company is trustworthy and has won outstanding contribution award for county development of Fujian. At present, relying on the advantages accumulated over the years, it is striving to realize the dream of "Century Sanmei".

## Chongqing Xincheng Industry Co., Ltd.

Established in 2013 and subordinated to Zhejiang Sanmei Chemical Ind. Co., Ltd., the company is located at Chengxi Development Zone of Dianjiang County Industrial Park, Chongqing. It is a comprehensive company of largest scale in the southwest zone integrating storage, sub-packaging and distribution of R22, R134a, R23, R142b, R143a and R410A, the four series traditional and new refrigerants, foaming agents and other fluorine chemicals.

## Zhejiang Sanmei Chemical Products Co., Ltd.

Established in 2016 and within the Sanmei Plant in Zhejiang, the company is a sales company fully owned by Sanmei for realizing company business development. It mainly undertakes and be responsible for domestic and overseas sales of all products of Sanmei. With separated production and distribution, and flexible operation management mode, it further improves core competency and market competitiveness of the sales system, and spares no effort to expand in the domestic and overseas market for Sanmei.

## Fluo Shanghai International Trade Co., Ltd.

Established in 2013, the company is located at Shanghai Free Trade Zone. It is a trade and sales company fully invested by Zhejiang Sanmei Chemical Ind. Co., Ltd., and it mainly undertakes finished automobile pre-sales and aftersales market distribution of R134a auto refrigerants in domestic market, international trade of various fluorine chemical refrigerants and other products, and trade agent among the enterprises in the zone. It is a new channel of Zhejiang Sanmei Chemical Ind. Co., Ltd. towards global trade.

## Zhejiang Sanmei Refrigeration Fittings Co., Ltd.

Established in 2015, Zhejiang Sanmei Refrigeration Fittings Co., Ltd. is a distribution operator for "Sanmei" household air conditioning refrigerant products of Zhejiang Sanmei Chemical Ind. Co., Ltd. At present, the company mainly operates steel-bottle packaged disposable refrigerants including R22, R134a, R32 and R410A.

## Guangdong Furun Chemical Co., Ltd.

Established in 2016 in Foshan, Guangdong, the company is a trade sales company invested by Zhejiang Sanmei Chemical Ind. Co., Ltd. Based in Guangdong and facing the southern part of China, the company mainly undertakes product sales in the zone, and serves the air conditioner plants and automobile manufacturers. It is a bridgehead of Zhejiang Sanmei Chemical Ind. Co., Ltd. to explore in the southern China market.



# SANMEI



# MAIN PRODUCTS

## ▶ Refrigerant

■ R134a ■ R125 ■ R32 ■ R116  
■ R404A ■ R410A ■ R407C ■ R507  
■ R22 ■ R23 ■ R142b ■ R143a ■ R406A

## ▶ Foaming agent Cleaning agent

■ HCFC-141b

## ▶ Inorganic fluorine

■ AHF ■ BHF  
■ HF ■ HF-H<sub>2</sub>O

## ▶ Electrolyte

■ LiPF<sub>6</sub>  
■ LiFSi

## ▶ Polymer

■ FEP  
■ PVDF



AEROSOL CANISTER PRODUCT





## PARTNERS



Devoted to Brand Building,  
Create Value For Customers.

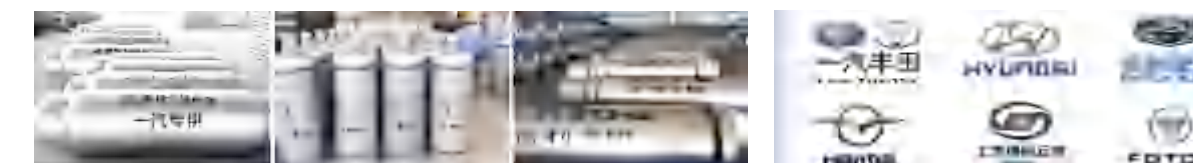
WWW.SANMEICHEM.COM

## BRAND PROMOTION

Dealers in various regions ▶

Mainframe packages/  
Vehicle manufacturer packages ▼

Refrigeration exhibition ▼





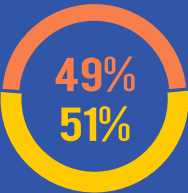
# SALES NETWORK

WWW.SANMEICHEM.COM

STOCK CODE 603379

17/18

## 2023 Sales Share Distribution



◀ Sales share in overseas and domestic markets

- Overseas market 49%
- Domestic market 51%

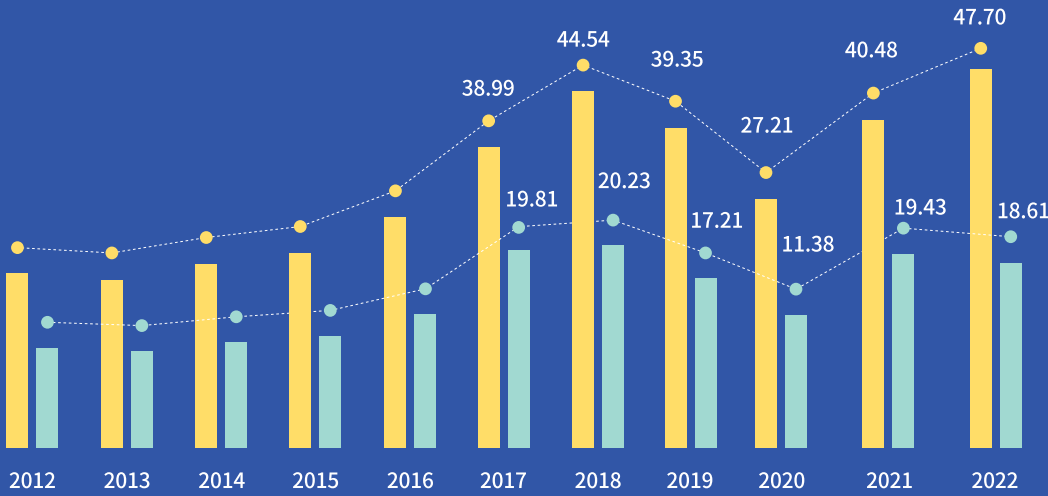


◀ Global market sales share

- Asia
- Middle East
- North America
- South America
- Europe
- Other

★ Products mainly distributed in 31 provinces and cities in China, and more than 100 countries and regions including Japan, South Korea, Southeast Asia, the Middle East, Europe and the U.S.

## Bar Graph Of Sanmei Sales Growth Data [ June 2023 ]



Unit of the vertical rank: RMB 100,000,000  
Unit of the horizontal rank: year

HQ OF SANMEI  
WUYI, ZHEJIANG



ZHEJIANG SANMEI  
CHEMICAL IND. CO., LTD.

Jiangsu Sanmei  
Chemical Ind. Co., Ltd.

Fujian Qingliu  
Dongying Chemical Ind. Co., Ltd.

Chongqing  
Xinchen Industry Co., Ltd.

Zhejiang Sanmei  
Chemical Products Co., Ltd.

Fluo Shanghai  
International Trade Co., Ltd.

Zhejiang Sanmei  
Refrigeration Fittings Co., Ltd.

Zhejiang Shengmei  
Lithium Battery Materials Co., Ltd.

Zhe Jiang  
Morita New Materials Co., Ltd.

Guangdong  
Furun Chemical Co., Ltd.





PROFESSIONAL MANUFACTURING  
STRENGTH CERTIFICATION

## TO BECOME THE WORLD'S LEADING SUPPLIER OF FLUORINE PRODUCTS

WWW.SANMEICHEM.COM



- ▶ ISO9001:2015 Quality Management System Certification
- ▶ IATF16949:2016 International Auto Factory Supporting Quality System Certification

- ▶ ISO14001:2015 Environment Management System Certification
- ▶ ISO45001:2018 Occupational Health Safety System Certification
- ▶ ISO50001:2018 Quality Management System Certification
- ▶ T/ZZB 0408-2018 Made in Zhejiang Certification
- ▶ Patent certificate for a feeding system conveying device for the production of anhydrous hydrogen fluoride and its method
- ▶ Patent certificate for a method of preparing monochlorodifluoromethane by fluorination with chloroform



### Quality Objective

Zero scrap, zero rework,  
zero return, zero complaint.

### Quality policy

Industry leading, famous brand  
Constant improvement, customer satisfaction.

### Environment principle

Abiding by the laws and protecting environment  
are our lofty missions;  
Clean production and constant improvement  
are our obligations.

### Safe production principle

Abide by the laws, and prevention comes first;  
Constantly improve and ensure safety;



## CARE FROM THE LEADERSHIP

Through four management systems, the company has long-term cooperation with DuPont, a world safety management benchmark enterprise, to implement DuPont's safety improvement project. The company has established a safety production policy of "compliance, prevention, continuous improvement, and safety assurance" and an environmental policy of "compliance, environmental protection, clean production, and continuous improvement," striving to achieve a transformation of employees' safety and environmental awareness and behavior from supervised management to self-management. The company's consistent emphasis on safety and environmental protection has not only won development space for the enterprise but also earned recognition from superior departments and society. The company is one of the first batch of standardized demonstration enterprises in safety production in Zhejiang Province and a certified clean production enterprise in Zhejiang Province. It has been awarded titles such as an advanced collective in energy conservation and consumption reduction in Zhejiang Province, an energy-saving demonstration unit for special equipment with high energy consumption in Zhejiang Province, and a water-saving benchmark unit in Zhejiang Province.



- ▶ Research team from the State Ministry of Ecology and Environment came to visit
- ▶ Vice governor of the provincial government GAO Xingfu led a provincial research team to the company for research and guidance
- ▶ The Production Safety Law Enforcement Inspection Team of the Municipal People's Congress came to visit
- ▶ Municipal Intermediate People's Court President's Inspection Group came to inspect the safety work of the company



# SOCIAL CONTRIBUTION / HONORS

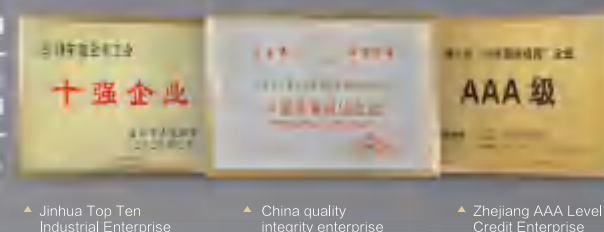
**Honors** Sanmei is the largest industrial enterprise in Wuyi County at present. It has been awarded as one of the top 500 petroleum and chemical enterprises in China, one of the top 100 petroleum and chemical enterprises in China in basic chemical raw material manufacturing, one of the leading enterprises in China's fluorosilicon industry, a quality and integrity enterprise in China, one of the top 10 enterprises in open economy, Zhejiang Enterprise Technology Center, one of the top 10 industrial enterprises in Jinhua City, and one of the harmonious labor relations enterprises in Jinhua City. Jiangsu Sanmei won the "Jiangsu Province Safety Culture Construction Demonstration Enterprise", "Nantong City Science and Technology Small Giant Enterprise", "Rudong County Golden Bull Award - Special Contribution Award". Fujian Dongying was awarded the honorary titles of Advanced Unit of Party Building Work of Private Enterprises in Fujian Province and Outstanding Contribution to County Development in Fujian Province. In 2013, "Sanmei Brand" was awarded "Zhejiang Provincial Export Brand" by the Provincial Department of Commerce.



**Feedback To Society** Since its establishment, the company has been striving for self-improvement, keeping up with the times, and sustaining development. It has always been committed to charitable donations, disaster relief, poverty alleviation, and other social welfare undertakings. The company's "Sanmei Charity Fund," "Sanmei Love Fund," and "Sanmei Education Fund" have contributed to the local economic construction and social development. With the support of the company, the Zhejiang Province Safety Production Emergency Rescue Sanmei Center has been established, leveraging professional advantages and actively assuming social responsibilities for emergency rescue.

All employees of Zhejiang Sanmei Chemical Co., Ltd. will work together and continuously explore and innovate to dedicate more high-quality products to our customers, and strive to build the company into a first-class fluorine chemical enterprise. In order to contribute to the glory of China's fluorine chemical industry, Zhejiang Sanmei Chemical Co., Ltd. will join hands with others and persevere in our efforts.

We have always been working on it!



# SOCIAL RESPONSIBILITY/ EMPLOYEE CULTIVATION





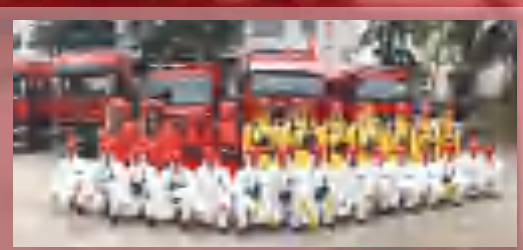
# SOCIAL RESPONSIBILITY



WWW.SANMEICHEM.COM

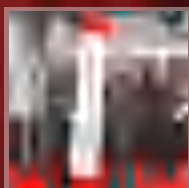
## SANMEI CENTER OF ZHEJIANG SAFETY PRODUCTION EMERGENCY RESCUE

Sanmei Center of Zhejiang Safety Production Emergency Rescue is a professional team led by Zhejiang Safety Production Emergency Rescue Center, and it carries out rapid and efficient emergency disposal for dangerous chemicals accident and aims at reducing accident loss to the minimum based on the principle of "government leadership, unified command, rapid reaction and coordinated work". From its establishment, participate in professional rescues for hazardous chemical (such as liquefied natural gas) accidents for more than thirty times, AHF and hydrofluoric acid, and liquefied natural gas, and has been widely appreciated by society, making greater contribution to local economic construction and social stability.



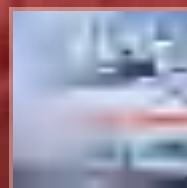
### IN 2009

The emergency team of Zhejiang Sanmei Chemical Ind. Co., Ltd. was established to provide rescue in hazardous chemical accidents of the Company.



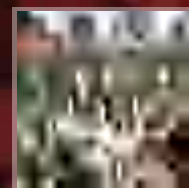
### IN 2012

With the care and support of the municipal and county governments and relevant departments, Jinhua Emergency Rescue Team for Hazardous Chemicals Accidents was established in the Company.



### IN 2018

Fujian Sanming Social Emergency Rescue Team was established and has always been ready to handle hazardous chemical accidents in the area.



### IN 2010

Sanmei Center of Zhejiang Provincial Safety Production Emergency Rescue was established and incorporated into the provincial emergency rescue system and would participate in emergency rescue operations for hazardous chemical accidents across the province.



### IN 2012

Jiangsu Sanmei Emergency Rescue Team was established and would carry out comprehensive (special) emergency drills every year.

