



**A Leading Manufacturer of Specialty Solvents in China.**

Pentanes·Hexanes·Octanes·Buntanes·D Series Solvents





# Junyuan Petroleum Group

Junyuan Petroleum Group is a leading manufacturer of pentanes, hexanes, octanes, butanes and D solvents with manufacturing facilities in Shandong and Xinjiang, China.



# HISTORY

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Junyuan Petroleum Group, founded in 2009 with the registered capital of 180 million RMB (roughly 27 million USD), is a general group gradually developed and improved, relying upon Dongying Junyuan Petroleum Technology Development Co., Ltd. Over the past eight years, Junyuan Petroleum Group has been continuously developed and expanded, and now incorporates five subsidiaries including Dongying Junyuan Petrochemical Technology Development Co., Ltd., Dongying Liangxin Petrochemical Technology Development Co., Ltd., Dongying Changyuan Petrochemical Technology Development Co., Ltd., Dongying Junyuan Logistics Co., Ltd, Sinkiang Liangxin Technology Development Co., Ltd and Orient Junyuan (Beijing) Technology & Trade Co., Ltd. They constitute a complete oil refining industry chain of Junyuan Petroleum Group.

# 2009

Founded in 2009 to solve a customer's speciality solvents needs

# 20+

More than 20 active products



Expansive global distributor networks

# 60+

Champions of more than 60 different technologies

## GROWTH



New, innovative product introductions every year



Market expansions through research and development



Technology growth from our dedicated research team



Geographic growth to better serve customers

# PEOPLE

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**Our customers can be confident that behind every sale is a team of dedicated people determined to make it a success.**

Junyuan Petroleum Group believes good service starts with good people. Our success is rooted in our team approach to business. Everyone working together as a team is the key to making sure customers' needs are being met at every level of the organization.

Our employees are some of the most well-respected members of the industry, many with top certifications and decades of experience. Wherever you are, we have experienced and knowledgeable people there, ready to support you.

## CUSTOMER SERVICE



Individual account management

Quick order entry process

Global coverage

## TECHNICAL SERVICE



Superior hands-on field support

On-location service available from start to finish

Highly trained industry experts

## LOCAL SALES SUPPORT



Fast and reliable system recommendations



Solving your problems is what we do



Send an email and receive a quick response



Call in and speak directly to knowledgeable support





# LOCATIONS

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## **Regardless of your location, we can deliver the products you need**

Junyuan's world-class, global organization can supply products anywhere in the world to meet your requirements. With 2 manufacturing facilities in China, we can consistently produce and deliver high-quality products to our customers worldwide.

Our global network of industrial service centers and distribution points are strategically located around the world to provide the highest level of customer service and support for your project. Anywhere in the world, anytime you need us, we'll be there.

# JUNYUAN LOCATIONS



Hundreds of warehouses  
worldwide by our partners



Two research and  
development facilities



More than 20 sales  
representatives



Manufacturing facilities  
located strategically in 2  
provinces in China

## ISO

ISO-certified facilities  
in Shandong and Xinjiang, China

# PRODUCTS

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## **We develop products that solve specialty solvent needs and offer real benefits.**

Product development at Junyuan is driven by a passion for performance and innovation. Our continued focus and understanding of our customers' needs drives product development.

All new products go through stringent internal and external testing. Rigorous product testing is meaningful, realistic, and based on decades of knowledge and experience. When a new product is released, we know it will perform.

Our comprehensive line of problem-solving technologies has earned the trust and confidence of customers around the globe.

# Applications of Junyuan Specialty Solvents

**Pentanes.Pentane Blends.Hexanes.Octanes.Butanes**



Plastics Industry  
Geothermal Energy  
Personal Care Products



Catalyst Production  
Tire & Rubber Manufacturing  
Gasoline



Veg Oil Extraction  
Plastics Industry  
Adhesives & Sealants  
Pharmaceutical Industry



Polyethylene  
Polypropylene  
Polyurethane



Adhesives & Sealants  
Paints & Coatings  
Pharmaceutical Industry



Rubber and Tire Industry  
Starter Fluid  
Pharmaceutical Industry

## PRODUCT CERTIFICATIONS

ISO 45001-OCCUPATIONAL HEALTH AND SAFETY  
MANAGEMENT SYSTEM CERTIFICATE

ISO 9001-QUALITY MANAGEMENT  
SYSTEM CERTIFICATE

2016 / ISO 14001-ENVIRONMENTAL MANAGEMENT  
SYSTEM CERTIFICATE

SGS CERTIFICATE

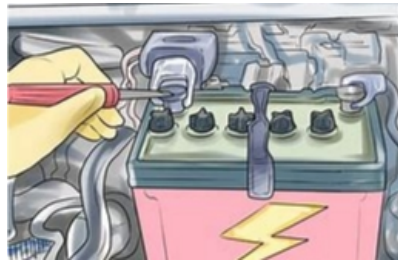
# MARKETS

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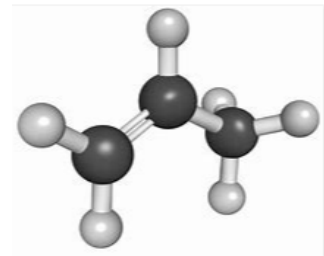
Junyuan offers high performance pentanes, hexanes, heptanes, octanes, and D solvent products for a variety of diverse markets. Each market has unique challenges that require unique product, which is why we have a specialized team of experts for every market we serve.



Vegetable Oil Extraction



Starter Fluid



Polypropylene



Geothermal Energy



Blowing Agents



Paints and Coatings



Rubber and Tire Industry



Pharmaceutical Industry



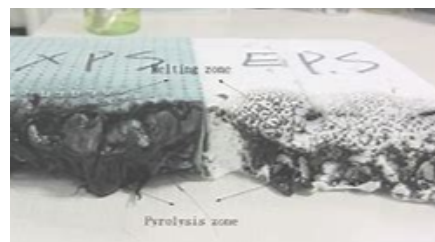
Organometallic Solvent



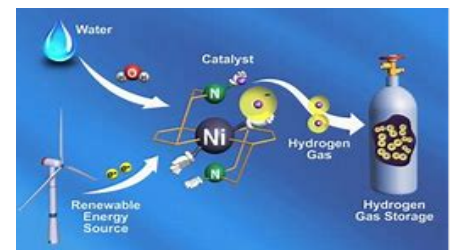
Heavy Oil and Bitumen Applications



Polyurethane



Expanded and Extruded Polystyrene



Catalyst Production



Headquarters open in a small village yard in Dongying

2009

Junyuan has only 10+ employees and roughly ten acres of land

Junyuanpetroleumgroup.com

2010

Junyuan begins to plan for development



Junyuan becomes an authorized market member of Sinopec



Production capacity and output value doubles over the previous year

2011

The production plant begins to take shape



Junyuan's production capacity reaches nearly 100,000 tons



Junyuan's 2nd plant in Xinjiang is launched

2012



In 2012, Junyuan's development momentum is overwhelming, with more than 100 employees

2013

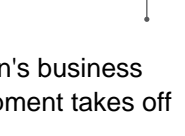
Junyuan's business development takes off



The company has got 5 subsidiaries.

2014

Junyuan's business development is stable and mature, maintaining high-speed growth



2015

Junyuan's hexanes and pentanes, stand out in the fierce competition market



Explosive growth in the pentane and hexane market



Junyuan's staff expands to hundreds



With an annual output of 200,000 tons, Junyuan has taken off and expanded its wings for rapid business development.



Junyuan's own internal journal Junyuan People is launched



Junyuan decides to produce industrial refrigerant according to the requirements of Univision standards in the US and the purity of the product reaches 99.9%



Against the trend, Junyuan once again increases production investment, improve product quality in an all-round way



Junyuan becomes the No.1 manufacturer of reagent grade n-Hexane,99% in China



Opening an office in Beijing is an important step in Junyuan's international expansion.



Junyuan's lab is recognized as Dongying Engineering Laboratory by Dongying Development and Reform Commission



2009-2019: Junyuan expands to 16 service centers across China



Junyuan participates in the revision of the National Standard of Pentane Blowing Agent



The industrial standard of n-Pentane for industrial use jointly proposed by Sinopec Shanghai and Junyuan is listed in the national project plan in 2020.



After 2 years of construction, Junyuan completes the Key Laboratory of Hydrocarbon Solvents in Dongying



2020: Junyuan completes the R & D and commissioning of n-Heptane,99% and n-Octane,99% with the fastest speed, and successfully launches the two new products to the market



Isohexane for Industrial Use (Hg / T5612-2019) and Isopentane for Industrial Use (Hg / T5613-2019) drafted by Junyuan in 2018 is officially implemented on July 1, 2020. Announcement No.61 of 2019 issued by the Ministry of Industry and Information Technology of the People's Republic of China



Another invention patent of Junyuan is authorized by the State Intellectual Property Office. The patent name is "a device and method for hydrotreating distillation separation and joint production of customized naphtha raw materials", patent No.: ZL 201711267832x.



Large global expansion in n-Heptane and Isohexane market



The provincial Yellow River Delta Agricultural High-tech Zone conducts expert review on Junyuan's technical transformation and project safety



Mr.Miao Guangfa, Chairman of Junyuan Petroleum Group, is awarded the honorary title of May 1st Labor Medal of Shandong



Junyuan successfully passes the energy measurement review of key energy consumption enterprises



Junyuan fulfills the order of 1,500 tons pentane blowing agent to Middle East market



10 Years of Success!



People's Daily Reports: Junyuan Petroleum Group maintains the top position as the largest pentane blends manufacturer in China.



Junyuan Service Center expansion



Junyuan ranks No. 1 in specialty solvents industry competitive analysis in China market



Growth in the pentane blends market explodes



Junyuan becomes the only manufacturer that can produce n-Hexane with purity up to 99.99% in China



Introduction of 7x24 Rapid Customer Service for the growing maintenance business



Junyuan further develops its brand, which has a positive impact on n-Hexane and its upstream and downstream industries.



Junyuan starts to transform and upgrade



Large expansion into 7 series of products: propane, pentane, hexane, solvent oil, aromatics, D Solvents and hydrogenated naphtha



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# Junyuan Petroleum Group

For more than 10 years, the Junyuan Petroleum Group has focused on being the leading manufacturer of pentanes, hexanes, benzenes and D solvents. From one office and a staff of ten to more than 500 of the industry's best and brightest, we have grown to be the largest specialty solvents provider serving for power generation, chemical feedstock applications, and domestic use.



**Junyuan Petroleum Group is the largest specialty solvent manufacturer in China and also the largest environmental friendly hydrocarbon refrigerant and pentane blowing agent manufacturer in China, and the first enterprise in China to obtain the qualification of vegetable oil extraction solvent for food additives.**

Junyuan Petroleum Group was founded in 2009 with a registered capital of 160 million US dollars (equivalent to 23.56 million US dollars). It is a comprehensive group relying on Dongying Junyuan Petroleum Technology Development Co., Ltd. and gradually developed and expanded.



Our seven series of products include propane series, pentane series, hexane series, solvent oil series, aromatics series, D series solvent oil and hydrogenated naphtha series.



Products include propane, isobutane, n-butane, high clean liquefied gas, Isopentane, n-Pentane, cyclopentane, pentane blowing agent;



Isohexane, 99%  
n-Hexane, 99%  
n-Hexane, 95%  
n-Hexane, 90%  
n-Hexane, 80%  
n-Hexane, 60%  
n-Heptane, 99%  
n-Octane, 99%  
D Solvent 20  
n-Pentane, 99%  
Isopentane, 99%  
Pentane Blends

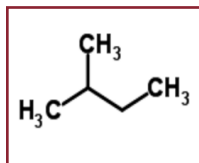
# Isopentane

Isopentane, also called methylbutane or 2-methylbutane, is a branched-chain saturated hydrocarbon with five carbon atoms, with formula C<sub>5</sub>H<sub>12</sub> or CH(CH<sub>3</sub>). Isopentane is an extremely volatile and extremely flammable liquid at room temperature and pressure. It is also the least dense liquid at standard conditions.



**Junyuan Petroleum Group is your premier choice for all your specialty solvent needs. We offer a broad line of solvent types and grades.**

Molecular formula: C<sub>5</sub>H<sub>12</sub>  
 Molar mass: 72.149  
 CAS Registry Number: 78-78-4  
 Appearance: colourless liquid with a characteristic smell  
 Melting point: -160 °C  
 Boiling point: 28 °C  
 Solubility: Water, 48 mg/L (25 deg C)



Our team of scientists has experience in all areas of research including Life Science, Material Science, Chemical Synthesis, Analytical and many others.



Isopentanes are some of the primary blowing agents used in the production of polystyrene foam and other foams.



Usually, a mixture of n-, i-, is used for this purpose.



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**Twitter:** <https://twitter.com/Junyuangroup>

**YouTube:** <https://www.youtube.com/watch?v=41dIp1M5T14>



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## Our GLOBAL PARTNERS

