



**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

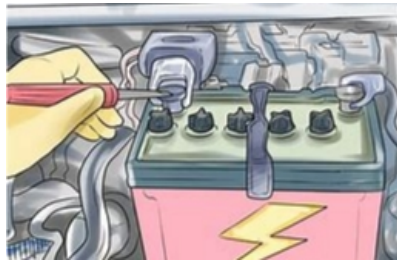
# MARKETS

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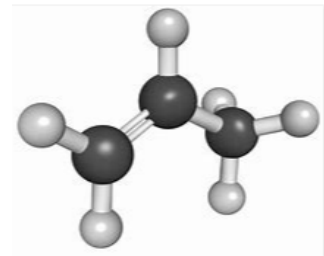
Junyuan offers high performance pentanes, hexanes, heptanes, octanes, and D solvent products for a variety of diverse markets. Each market has unique challenges that require unique product, which is why we have a specialized team of experts for every market we serve.



Vegetable Oil Extraction



Starter Fluid



Polypropylene



Geothermal Energy



Blowing Agents



Paints and Coatings



Rubber and Tire Industry



Pharmaceutical Industry



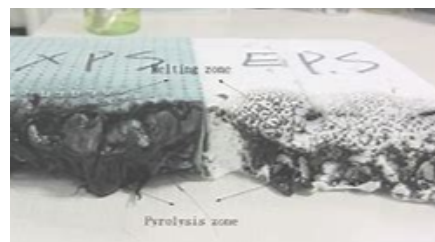
Organometallic Solvent



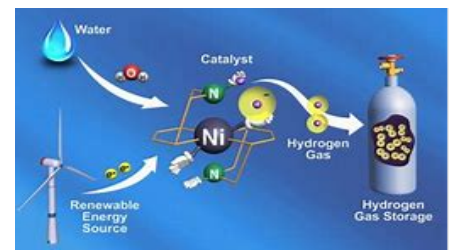
Heavy Oil and Bitumen Applications



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

2014

2015

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

2016

2017

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

2018



Junyuan is awarded the honorary title of "Intellectual Property Demonstration Enterprise"

The project "Research and Industrialization of n-Hexane High-purity Refining Technology" is selected as the first prize of excellent achievement award of technological innovation in Shandong Province.

2019

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



10 Years of Success!



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

Junyuan is selected as one of the top 100 petroleum and chemical enterprises in Shandong Province in 2019



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



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



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



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



2020

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.



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

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

2019

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



The Light Hydrocarbon and Aromatics Professional Committee of China Petroleum ,Chemical Industry Federation are established in Beijing, Junyuan becomes the founding member

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

2016

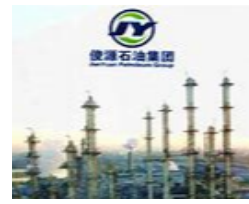
Junyuan ranks No. 1 in specialty solvents industry competitive analysis in China market

No.1 CHINA

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

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

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%



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



Sinopec, PetroChina and many of its enterprises deeply recognize the reputation of Junyuan, which enables Junyuan to sign the network access certificate of the two petroleum giants in China and establish a long-term cooperative relationship with their enterprises.

Junyuan obtains the sales network access certificate of Sinopec, PetroChina and CNOOC.



The two industrial standards of China, Isohexane for Industrial Use and Isopentane for Industrial Use, which are jointly formulated by Junyuan, enters the final stage of approval by the Ministry of Industry and Information Technology and The National Standards Committee



2020:Junyuan wins the honorary title of "Niche Champion Enterprise of the Manufacturing Industry"

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







# 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

# n-Hexane

n-Hexane is used as a solvent to extract edible oils from seed and vegetable crops. Commercial grades of hexane are used as solvents for glues, varnishes, and inks, cleaning agent (degreaser) in the printing industry, liquid in low temperature thermometers. Other uses are as fuels and fuel additives, intermediates and laboratory chemicals.



**JunYuanPetroleum Group is one of the leading n-Hexane manufacturers in the world.**

CAS Number: 110-54-3  
Molecular Weight: 86.18 g/mol  
Appearance: Colorless liquid  
Melting Point: -95 C  
Boiling Point: 69 C  
Density: 0.659 g/mL at 25 C

The hexane that are commonly used in organic chemistry are a mixture of various six carbon alkanes, not just n-hexane. The lower toxicity and flammability of heptane has led to a slow shift towards heptane in favor of hexane.



Our highest quality n-Hexane is delivered to our customers directly from our plants based in Shandong and Xinjiang, China.



Quality control is done using the the very latest testing techniques and procedures as provided by internationally updated databases around the globe.



We can deliver our n-Hexane solvents via logistics services using drums, Isotank or tanker vessels.



We share information on products like the ones featured in this brochure on social media. You can also find current information about product updates, press releases, and other company news there.

Follow us, like us, connect and/or subscribe. We'd love to see you there!

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**LinkedIn:** <https://www.linkedin.com/company/junyuan>

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

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



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## Our GLOBAL PARTNERS

