



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

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

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

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



More than 20 sales
representatives

ISO
ISO-certified facilities
in Shandong and Xinjiang, China

Two research and
development facilities

Manufacturing facilities
located strategically in 2
provinces in China

PRODUCTS

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

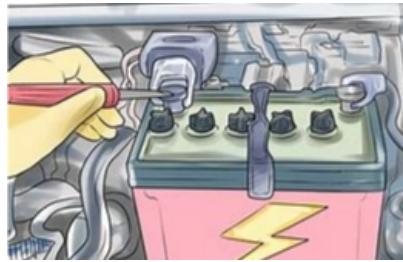
SGS CERTIFICATE

MARKETS

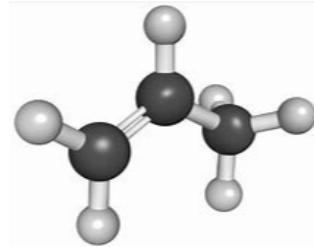
Junyuan offers high performance pentanes, hexanes, heptanes, octanes, and D solvent products for a variety of diverse markets. Each market has unique challenges that require unique product, which is why we have a specialized team of experts for every market we serve.



Vegetable Oil Extraction



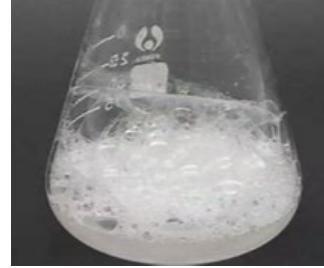
Starter Fluid



Polypropylene



Geothermal Energy



Blowing Agents



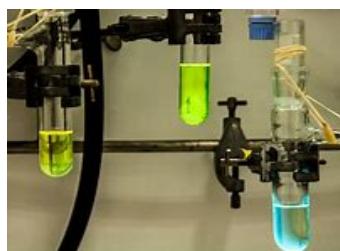
Paints and Coatings



Rubber and Tire Industry



Pharmaceutical Industry



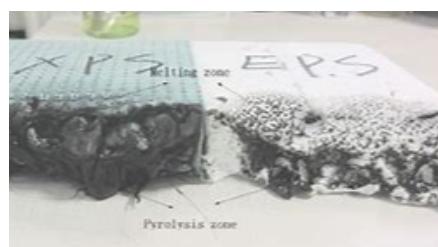
Organometallic Solvent



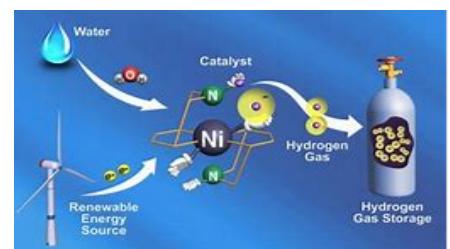
Heavy Oil and Bitumen Applications



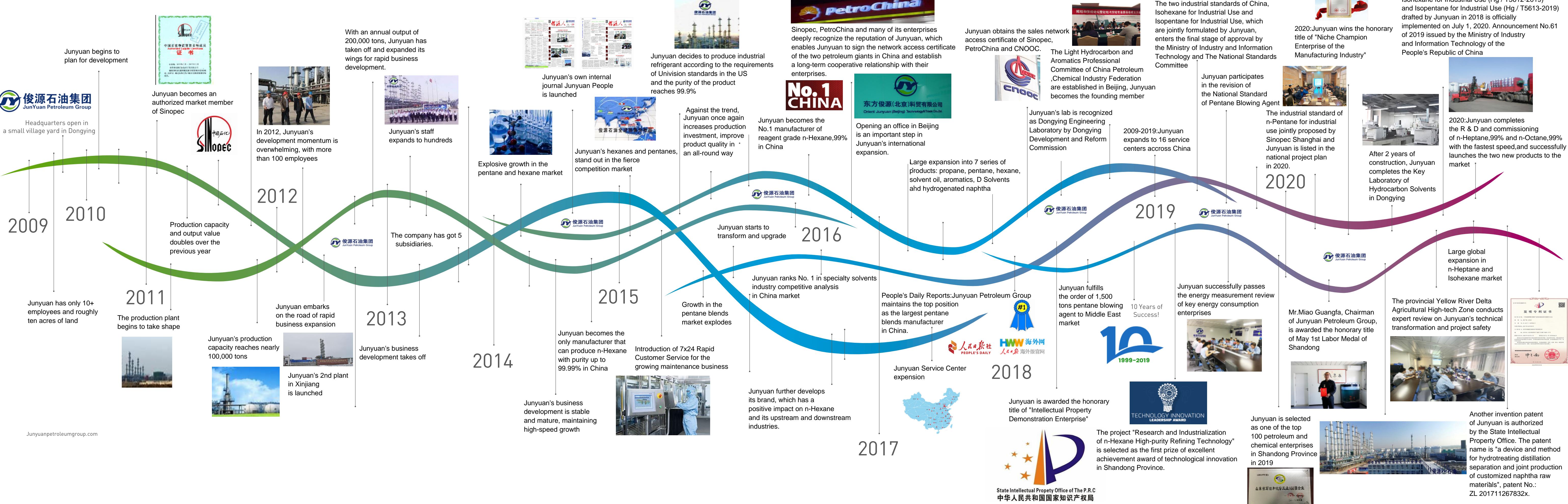
Polyurethane



Expanded and Extruded Polystyrene



Catalyst Production





俊源石油集团
JunYuan Petroleum Group



俊源石油集团
JunYuan Petroleum Group



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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 and hydrogenated naphtha series.



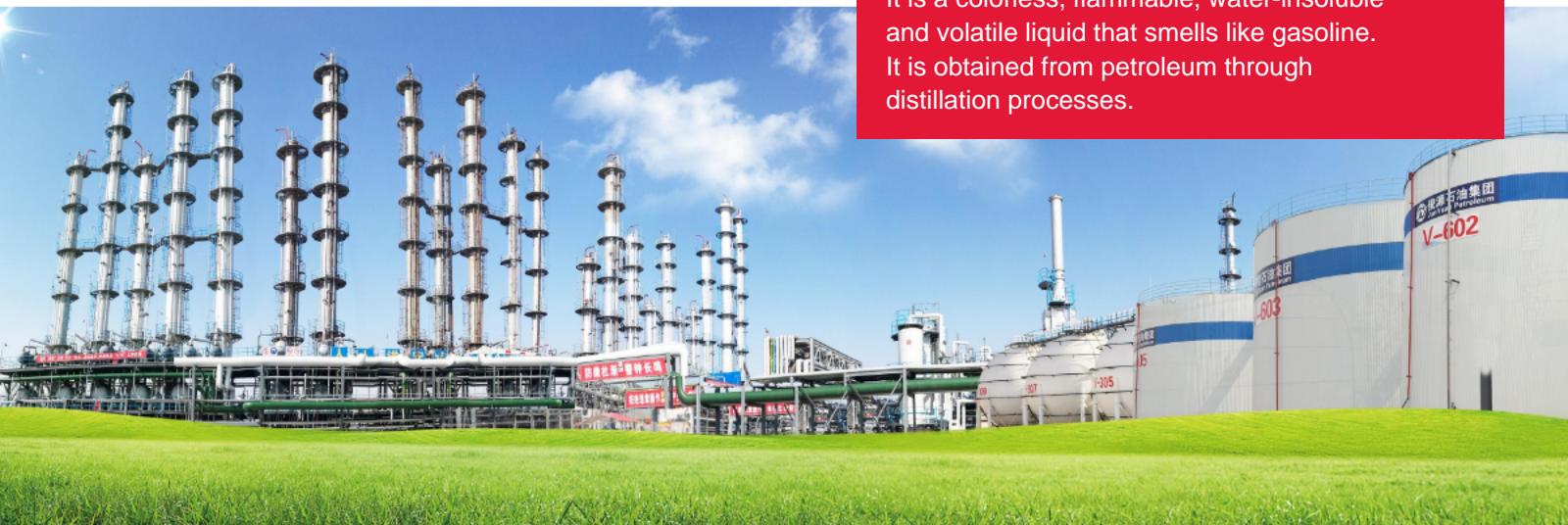
Isohexane, 99%
n-Hexane, 99%
n-Hexane, 95%
n-Hexane, 90%
n-Hexane, 80%
n-Hexane, 60%
n-Heptane, 99%
n-Octane, 99%
D Solvent 20
n-Pentane, 99%
Isopentane, 99%
Pentane Blends

n-Pentane

DOT: Pentane, 3, UN1265, PG II

n-Pentane Properties

This alkane is an organic compound with the formula C₅H₁₂. In a literal sense, pentane may refer to any of three structural isomers or a mixture of n-pentane, isopentane (methylbutane) and neopentane (dimethylpropane). It is a colorless, flammable, water-insoluble and volatile liquid that smells like gasoline. It is obtained from petroleum through distillation processes.



Juyuan Petroleum Group is a leading supplier of normal Pentane (n-Pentane) - part of our pentane range of aliphatic hydrocarbon solvents, which comprises pure normal- and iso-pentane and blends of the two components.

The boiling points of pentane isomers range from about 9 to 36 °C. It has a molecular weight of 72.151 g/mol. It has a melting point of -201.6°F (-129.8°C). Pentane has a density of 626 kg/m³.

CAS Number: 109-66-0

Molecular Formula: C₅H₁₂

Formula Weight: 72.15

Environmental Grade

Reagent Grade



n-Pentane is a specialty solvent for pharmaceutical, industrial, medical and laboratory use

n-Pentane is a supercritical solvent for fractionation.

n-Pentane is a good solvent for the deactivation of tar and residue.

Isopentane

Isopentane, also called methylbutane or 2-methylbutane, is a branched-chain saturated hydrocarbon with five carbon atoms, with formula C₅H₁₂ or CH(CH₃)₃. 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: C₅H₁₂

Molar mass: 72.149

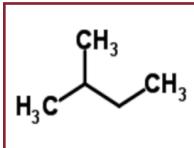
CAS Registry Number: 78-78-4

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.

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.

n-Pentane and Isopentane Blends

Junyuan Petroleum Group is a leading manufacturer and supplier of Pentanes, a group of high purity aliphatic hydrocarbon solvents that comprises normal- and iso-Pentane and blends of the two components. With a narrow boiling range, consistent composition and fast evaporation Pentanes are primarily used as propellants in aerosols, as blowing agents in foams (eg expandable polystyrene) and as reaction media in chemical processes such as polymerisation.



Juyuan Petroleum Group is the industry leading manufacturer of pentane blends, n-/Isopentanes.



Specifications: Our products have the following specifications, but not limited to these categories, can be completely customized according to customer requirements.

Blend n-Pentane/Isopentane:70%/30%, 85%/15%, 60%/40%, 50%/50%, 20%/80%, 20%/80

Blend Isopentane/n-Pentane:70%/30%, 85%/15%, 60%/40%, 50%/50%, 20%/80%, 20%/80

Other ratio of pentane blends and specifications can be completely customized according to customer requirements.

Pentane blend is a very fast evaporating hydrocarbon solvent and low in impurities such as sulphur and total aromatics.

Pentane blend use in applications where high volatility is required. Blowing agent, aerosol propellant are examples of such applications.

Isohexane

Isohexane, a clear, colourless liquid commonly used as a constituent of gasoline and glues used for shoes, leather products and roofing. Additionally, it is used in solvents to extract oils for cooking and as a cleansing agent for shoe, furniture and textile manufacturing.



Junyuan Petroleum Group is an established manufacturer of Isohexane in China.

Common Name: Isohexane

CAS Number: 107-83-5

Density: 0.7 +/- 0.1 g/cm³

Molecular Formula: C₆H₁₄

Flash Point: -23.3 +/- 0.0C

Symbol: GHS02 GHS07 GHS08 GHS09

GHS02, GHS07, GHS08, GHS09

Molecular Weight: 86.175

Boiling Point: 59.6 +/- 3.0 C at 760 mmHg

Melting Point: -154 C



In laboratories, Isohexane is used to extract oil and grease from water and soil before determination by gravimetric analysis or gas chromatography.

We have a modern manufacturing facility with a well-equipped laboratory to maintain the highest global quality standards for Isohexane production.

Junyuan Isohexane can also help control drying properties of adhesive formulations.

n-Heptane

Heptane or n-heptane is the straight-chain alkane with the chemical formula H₃C(CH₂)₅CH₃ or C₇H₁₆, and is one of the main components of gasoline. When used as a test fuel component in anti-knock test engines, a 100% heptane fuel is the zero point of the octane rating scale. Octane number equates to the anti-knock qualities of a comparison mixture of heptane and iso-octane which is expressed as the percentage of iso-octane in heptane.



With over ten years experience, Junyuan Petroleum Group knows the qualities you are seeking with n-Heptane.

n-Heptane
CAS No.:142-82-5
Article No.:00157
Grade:Extra Pure
Purity: 99%
Molecular Formula: C₇H₁₆
H.S. Code:2901.2990



Junyuan is a renowned manufacturer of n-Heptane. Its core competencies are specialty solvent manufacturing.

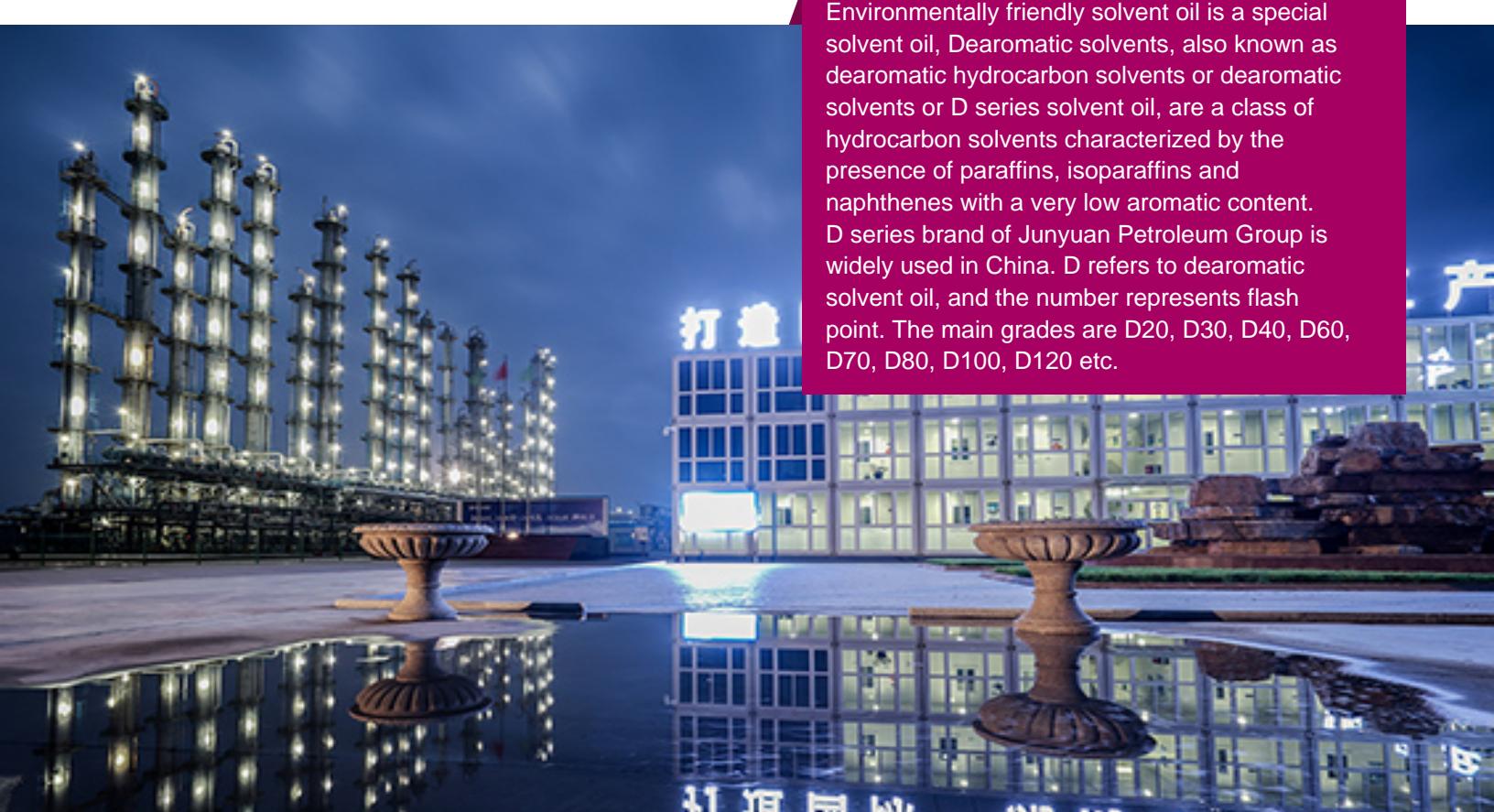


Our core competencies are specialty solvent manufacturing.



At maximum capacity, more than 800,000 tons of specialty solvents can be produced here annually.

De-aromatic Solvents and Fluids



Environmentally friendly solvent oil is a special solvent oil, Dearomatic solvents, also known as dearomatic hydrocarbon solvents or dearomatic solvents or D series solvent oil, are a class of hydrocarbon solvents characterized by the presence of paraffins, isoparaffins and naphthenes with a very low aromatic content. D series brand of Junyuan Petroleum Group is widely used in China. D refers to dearomatic solvent oil, and the number represents flash point. The main grades are D20, D30, D40, D60, D70, D80, D100, D120 etc.

Junyuan Petroleum Group is one of the leading solvent manufacturers in China. We offer a wide variety of organic solvents that are used in various industries world-wide.

Product Name: Dearomatized Hydrocarbons Fluid D20

CAS Number: 64742-94-5

The Grades: D20, D30, D40, D60, D70, D80, D100, D120

Appearance: Colorless

IBP: 124 Celsius degree

EP: 150 Celsius degree

Aromatics %: 0.003

Sulfur: 0.48



We are a regional leader in the production of high-purity, ultra-low aromatic fluids and solvents with world class standards.



We offer high-quality, high-purity products, constantly innovating for your applications and industries.



Our special solvents are essential in hundreds of specialized applications ranging from paints to cosmetics and crop protection.



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!

Facebook: <https://facebook.com/junyuangroup>

LinkedIn: <https://www.linkedin.com/company/junyuangroup>

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

YouTube: <https://www.youtube.com/watch?v=41dlp1M5TI4>



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Our GLOBAL PARTNERS

