

Ascent Petrochem Launches Global Dichloromethane Supply Chain Service Framework

New framework helps global buyers manage compliance, quality control, hazardous chemical logistics, and delivery risks in methylene chloride procurement.

HONG KONG, August 31, 2026 /EINPresswire.com/ -- During the restructuring of the global dichloromethane market, [Ascent Petrochem Holdings Co., Limited](#) launches a [global dichloromethane supply chain service](#) for international buyers.

Ascent Petrochem Holdings Co., Limited today announced the official launch of its global dichloromethane supply chain service framework to provide better and more stable cooperation. The service targets global chemical distributors, pharmaceutical raw material manufacturers, paint and adhesive manufacturers, electronic precision cleaning service providers, and metal degreasing processing companies.

This solution addresses widespread procurement pain points in the industry, such as product compliance, batch stability, transportation safety, documentation accuracy, and clarity of responsibilities, responding to the challenges faced by international [methylene chloride](#) buyers. Cognitive biases between collaborating parties and other unavoidable factors often lead to increased hidden landed costs.

In the traditional model, factory production relies heavily on experience and subjective assumptions, making it prone to disputes such as discrepancies between goods and orders, non-compliance with local import regulations, lack of quality control documentation, and unclear logistics responsibilities. Ascent Petrochem's new service model demonstrates to buyers how to translate their needs into standardized production documentation for factories, addressing the complexities of cross-border chemical procurement.

This process guides buyers to combine their own needs with the regulatory rules and other uncertainties of different destinations into standardized, controlled orders, minimizing uncertainties arising from default assumptions for both parties.

A Market at a Crossroads

Dichloromethane's applications cover pharmaceutical intermediate synthesis, precision cleaning

of electronic components, solvent-based coatings and adhesives formulation, metal surface degreasing, chemical extraction and purification processes, polyurethane foam blowing agents, and printing industry film removal.

The pharmaceutical industry is one of the largest end-use areas for methylene chloride, serving as a key solvent in product manufacturing. The mainstream grades of dichloromethane on the market are divided into three categories: industrial grade (purity $\geq 99.5\%$), pharmaceutical grade, and electronic grade (purity $\geq 99.9\%$).

These grades have differentiated requirements regarding limits for moisture, acidity, evaporation residue, heavy metals, and total impurities to match the technical standards of different end-use applications.

China has become the world's largest producer of dichloromethane. In 2025, its dichloromethane exports reached 213,000 tons, a record high, representing a year-on-year increase of 40.9%.

The global methylene chloride market was valued at approximately US\$3.2 billion in 2025 and is projected to reach US\$6.1 billion by 2035, indicating steady growth in the global market. Besides the European and American markets, demand is also increasingly active in regions such as Turkey, the UAE, Vietnam, Brazil, and India.

However, due to its inherent toxicological characteristics and environmental impact, methylene chloride is subject to strict regulation in major global markets. Both the US EPA and the EU REACH have clearly stipulated restrictions.

Covering multiple dimensions such as import permits, occupational exposure limits, environmental emission standards, and packaging and transportation specifications, the complexity and compliance threshold of dichloromethane's cross-border procurement are far higher than those of ordinary chemical products. These factors are reshaping the trade patterns of dichloromethane.

Key Procurement Checkpoints

1. Confirm Destination Compliance Requirements.

Buyers in each region must verify the latest regulations for their specific destination and application before placing an order, such as hazardous chemical import permits, environmental registration requirements, and customs clearance qualifications.

Regulatory rules vary significantly across different countries, regions, and industry applications; it is crucial to mitigate compliance risks from the outset.

2. Confirm Product Specifications

When procuring according to their own needs, buyers must verify the specifications and parameters of each batch of dichloromethane product listed in the order: product grade (industrial grade/pharmaceutical grade/electronic grade), purity, moisture content, acidity, evaporation residue, and other core indicators.

This is especially important for orders with strict requirements for purity and impurity control, or those requiring customized formulations.

3. Establish Dedicated and Controlled Order Documentation.

Methylene chloride is a hazardous chemical, requiring a Hazardous Goods Declaration Form, Material Safety Data Sheet (MSDS), transport classification, and customs clearance documents.

Effective verification also includes batch quality inspection reports (COAs), core indicator verification records, sealed samples, packaging integrity inspection, loading process documents, and corresponding order photographs. Important information such as purchase volume and shipping marks should all be compiled into a single authoritative document.

4. Confirm Logistics and Delivery Terms

Appropriate packaging specifications, UN-certified packaging, leak-proof reinforcement, hazard labels, a full set of shipping documents, loading certificates, agreed international trade terms, insurance, and destination port charges must all be confirmed with the order.

Before order fulfillment begins, the boundaries of transportation responsibility and risk allocation must be clearly defined.

In summary, what should buyers confirm before purchasing dichloromethane?

Destination regulatory requirements, complete product grade and indicator parameters, inspection certificates and packaging specifications, and clear delivery terms. This plan elaborates on each item and clarifies which decisions must be included in the formal order documentation.

This distinction is of practical significance for both buyers and industrial end-users. It provides them with a reusable benchmarking framework, enabling them to compare direct quotes from different suppliers under equivalent standards, avoiding the misconception that a lower unit price equates to the total landed cost.

Simultaneously, it encourages and clarifies aspects such as product, logistics, regulations, and delivery for buyers. Its core value lies in providing a documented and traceable consensus standard for both parties, reducing hidden costs, and offering early warnings and risk-sharing for unforeseen circumstances.

“The core of cross-border dichloromethane procurement is not price comparison. International buyers need more than just a product specification sheet; they need a trustworthy partner who understands the complexities of cross-border chemical procurement—from quality control to regulatory compliance,” said the General Manager of Ascent Petrochem. “We hope to establish a transparent and standardized partnership with buyers, reducing hidden costs throughout the supply chain and giving buyers confidence in every shipment.”

Ascent Petrochem's proposed solution serves various buyers in the dichloromethane sector and incorporates the order review standards the company uses in trade communications with clients in major export markets such as Europe, the Middle East, and Southeast Asia.

This workflow is for practical reference only and cannot replace local regulations, customs requirements, packaging standards, etc., regarding hazardous chemicals management.

Buyers can send the product destination, required grade, quantity, and related needs to Ascent Petrochem, and we can provide customized compliance assessments and supply solutions. For order scope inquiries, please email: admin@ascent-chem.com

About Ascent Petrochem

Ascent Petrochem Holdings Co., Limited is a leading global integrated chemical group engaged in the manufacturing, R&D, sales, and technical services of chemical products. The company maintains long-term strategic partnerships with leading domestic manufacturers, ensuring stable supply capacity and consistently high product quality.

Our products cover eight categories, including organic chemicals, inorganic chemicals, resins, and plastics. Our core strengths lie in hazardous chemicals procurement and cross-border supply chain management. We serve over 60 active clients in more than 25 countries and regions. For more information, please visit: <https://www.ascent-petrochem.com/>

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