

DROFLURIC ACID(AHF)

CN 32X3  
T10  
MAWP: 6.9BAR

# SHIPPING CONTAINER TANKS

PRESSURE AND NON-PRESSURE VESSELS

**SHENGLI LTD**

5 Ossian St, Ahuriri, Napier 4110, New Zealand  
[www.shengli.asia](http://www.shengli.asia)







Establishing and maintaining high quality international trade relationships between China and the World.





# OVERVIEW

---

Shengli Ltd prides itself in being a global supplier of an extensive range of industrial and infrastructure equipment and materials. Our products are manufactured to the finest level through our Chinese affiliates, providing a standard of quality for a price which exceeds customer expectations.

Incorporated in November 1999, Shengli Ltd first appeared as a joint venture between Shandong Shengli (a highly reputable Chinese government owned company and a leader in many agricultural and industrial fields) and Atkin Management Ltd (a New Zealand based trade consulting company). Shengli Ltd has since flourished, providing services throughout the world and with subsidiaries of its own.

With the emergence of China as an open economy, Shandong Shengli expanded into international markets and established representation within the Western business world—New Zealand was selected as an appropriate country to base its international operations.

New Zealand has extensive international acceptance as a reputable trading country, and was the first country to officially accept China as being an open economy.

There were many other factors which influenced the decision, such as New Zealand's heavy reliance on effective international trade and the subsequent development in being the first country to form a Free Trade Agreement with China.

The decision has proven to be a good one, and has resulted in extremely effective global supply lines, both for the large China corporations linked to Shengli Ltd and also for our customers throughout the world.

Our company is proud to carry the endorsement of the Chinese Embassy in New Zealand for our endeavours in establishing and maintaining high quality trade relationships between China and New Zealand. This success quickly developed internationally to where

we are now – a strong company which provides an extensive range of China's quality products and services to customers throughout the world.



Shengli is proud to carry the endorsement of the Chinese Embassy in New Zealand





Our shipping container tanks are made in China at two factories.

**KINGTANK** is a member of Sino-Resource Group specialized in manufacturing ISO

tank containers. KingTank plant was established in 1958. Sino-Resource took it over in 2006 and made it the leading manufacturer in China for various tanks.

### Technical capability

KingTank manufacture various ISO tank containers, including gas tanks, liquid tanks and special tank containers. All tanks are designed and built to the highest quality, and comply strictly with the latest international standard ASME and approvals. KingTank are certified by most international standards such as CCS, BV and LR. KingTank tank containers have been sold all over the world, including UAS, Russia, Australia, Japan, South Korea, South East Asia, India, Pakistan, Middle East and Africa.

### **CHANGZHOU LANYI AIRCRAFT EQUIPMENT MANUFACTURING CO LTD**

which although originally a helicopter producer, has in recent years restructured to become a leading pressure vessel design and manufacturing enterprise. The factory employs more than 300 employees, including 80 professional and technical staff. The company occupies 140,000m<sup>2</sup> of land and is award winning for cylinder welding. The products are sold throughout the United States, Germany, Australia, Japan, Korea, Egypt, India, Southeast Asia, the Middle East and other countries and regions.

### Technical capability

The company is one of China's leading low, medium

pressure vessel designers, licensed to manufacture and design to a degree few others are qualified for. In 1998 Changzhou Lanyi Aircraft Equipment Manufacturing Co Ltd attained ISO9001-GB / T19001 standard quality system certification along with subsequent updates, and in 2005 became qualified by the military to standard GJB9001A national quality system certification.

Changzhou Lanyi Aircraft Equipment Manufacturing Co Ltd produces DOT4BW100L welded steel cylinders through the United States Department of Transportation certification; 20 feet 1CC tank containers by Lloyd's Register and the EU Pressure Equipment Directive (TPED) certification.

The pressure vessels are certified to American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code certification.

Our pressure vessel manufacturing qualification, licensing and manufacturing is a market leader within the industry.

Products designed and developed include 5m<sup>3</sup>-50m<sup>3</sup> cryogenic vessels (-196°C), large tanks of liquid chlorine, ammonia, liquified petroleum gas and other media, all kinds of heat exchangers, 50m<sup>3</sup>-160m<sup>3</sup> steel - stainless steel composite PVC polymerisation tanks; VDC storage tanks and other large special equipment, reactor pressure vessel metal insulation, control rod drive mechanism reinspection station racks etc.

The factory is proud to have built a modern liquified natural gas (LNG) vehicle cylinder production line, and boasts East China's most advanced, environmentally-friendly modern, large furnace heat treatment equipment.

# LPG/PROPANE SHIPPING CONTAINER

20 FOOT

Exemplary 20ft LPG/propane tank container for transportation of liquid petroleum gas. Full capacity of 24 cubic metres.

This registered shipping container (tank), enables the transport and storage of LPG or propane

gas, without the need of purpose built trucks or rail carriages. They can be transported, loaded and unloaded in exactly the same way a normal 20' shipping container can be. The product is extremely well manufactured, light and carries 24 cubic metres of LPG or propane.



<b>Material</b>	16MnDr
<b>Capacity</b>	24m <sup>3</sup>
<b>Working Pressure</b>	18bar
<b>Working Temperature</b>	-40°C - +55°C
<b>Standards</b>	IMDG, ISO, ASME-VIII, ADR/RID, CSC, TC, TIR, UIC, US/UK DOT & GB150
<b>Approval</b>	LR, GL, BV, ASME, CCS



# LPG/PROPANE SHIPPING CONTAINER

40 FOOT

The largest and lightest 40 ft LPG/propane tank container for transportation of liquid petroleum gas. Full capacity of 50 cubic metres.

This registered shipping (tank) container, enables the transport and storage of LPG or propane

gas, without the need of purpose built trucks or rail carriages. They can be transported, loaded and unloaded in exactly the same way a normal 40' shipping container can be. The product is extremely well manufactured, light and carries 50 cubic metres of LPG or propane.



<b>Material</b>	16MnDr
<b>Capacity</b>	51.3m <sup>3</sup>
<b>Tare Weight</b>	12,855kg
<b>M.G.W</b>	40,000kg
<b>Working Pressure</b>	18bar
<b>Working Temperature</b>	-40°C - +55°C
<b>Standards</b>	IMDG, ISO, ASME-VIII, ADR/RID, CSC, TC, TIR, UIC, US/UK DOT & GB150
<b>Approval</b>	LR, GL, BV, ASME, CCS

# LNG/LIN

## SHIPPING CONTAINER

### 20 FOOT

The 20 ft LNG/LIN tank containers are built to the ISO Standard, making it suitable for different modes of transportation. Both hazardous and non-hazardous products can be transported in the tank container. They are fully insulated and temperature controlled. Full capacity is 20 cubic metres.

They can be transported, loaded and unloaded in exactly the same way a normal shipping container can be. The product is extremely well manufactured, light and carries 20 cubic metres of liquid gases.



<b>LNG</b>	<b>Density kg/cm<sup>3</sup></b>	~430
	<b>Loading Coefficient</b>	90%
<b>LIN</b>	<b>Density kg/cm<sup>3</sup></b>	~808
	<b>Loading Coefficient</b>	95%

### LNG/LIN MAIN TECHNICAL PARAMETERS

<b>UN</b>	1972
<b>Hazard Class</b>	II
<b>Guideline</b>	T75
<b>Design Pressure MPa</b>	0.75
<b>Working Temperature</b>	-196 - +50
<b>Capacity m<sup>3</sup></b>	20
<b>Mass Weight kg</b>	34,000
<b>Loading kg</b>	7,380 (LNG) / 8980 (LIN)
<b>Tare kg</b>	8,400
<b>Material of Inner</b>	304
<b>Material of Outside</b>	SA516
<b>Inner Diameter mm</b>	ø2210
<b>Out Diameter mm</b>	ø2420
<b>Thickness mm</b>	8
<b>Thickness mm</b>	6
<b>Dimension mm LxWxH</b>	6058 x 2438 x 2591
<b>Material of Frame</b>	Q345D
<b>Insulation</b>	Super Vacuum Layer Thermal Insulation
<b>Static Evaporation rate %/d</b>	0.234
<b>Paint</b>	Primer Intermediate Paint Finish Coat
<b>Approval</b>	CCS, LR
<b>As per</b>	ISO1496-3, IMDG., ADR, RID, CSC, UIC, TC
<b>Design Code</b>	IMDG-CODE; ASMEVIII DIV JB/T4784 Cryogenic liquid tank container: TSG R0005-2011

# CEMENT TANK CONTAINER



Our cement containers are of a patented design that enables fast loading and unloading of the material, high space utilisation rate and they are comparatively light-weight. They are suitable for rail, road and maritime transportation.

<b>Dimensions</b>	6058mm x 2438mm x 2591mm
<b>Material</b>	Q345B
<b>Total capacity</b>	24,000 Litres
<b>Approval</b>	CCS, LR, BV, GL, ASME





# ADDITIONAL SHIPPING TANK/CONTAINERS

We also supply the following shipping containers:

- Anhydrous Hydrogen Fluoride tank container
- Refrigerants gas tank container
- PE/PTFE inner lined tank container
- Stainless steel insulated tank container with heating system
- Sodium Hydroxide tank container
- Many other gas and fluid tank options are also produced

Other non-standard shipping containers of every type are also available.



PE/PTFE inner lined tank container



Refrigerants gas tank container



PE/PTFE inner lined tank container





MAX. 36000 kg  
GROSS 79366 lb  
TARE 3820 kg  
8422 lb  
CAPACITY 37000L

MAX. 36000 kg  
GROSS 79366 lb  
TARE 3820 kg  
8422 lb  
CAPACITY 37000L

MAX. 36000 kg  
GROSS 79366 lb  
TARE 4520 kg  
9965 lb  
CAPACITY 31000L



Shengli Ltd prides itself in being a global supplier of an extensive range of industrial and infrastructure equipment and materials.



Our products are manufactured to the finest level through our Chinese affiliates, providing a standard of quality for a price which exceeds customer expectations.





## **SHENGLI LTD**

5 Ossian St, Ahuriri, Napier 4110, New Zealand  
PO Box 12099, Ahuriri, Napier 4144, New Zealand

**P: +64 6 835 1401 F: +64 6 835 0108**

**[www.shengli.asia](http://www.shengli.asia)**

