



Goodrich Maritime Pvt. Ltd.



ABOUT US

The company was incorporated in the year 1997.

The main business objectives of the company is to provide superior quality shipping related services. In this quest, the company will eternally seek comprehensive satisfaction among its principals and customers.

The company has been promoted by shipping professionals with a wealth of experience in the Indian mercantile marine to design and find multi-various ocean logistic solutions.

Goodrich today has carved a niche for itself within a short span of five years. Our company is involved in following important spheres of shipping activities. We handle a minimum of 35,000 containers annually and the figure continues to grow consistently year after year.

Through our expertise available in the above mentioned activities, we can handle any type of shipment big or small to any part of the globe. If necessary on warehouse to warehouse basis.

Through aegis of our Chartering Department and their global associates we can fix vessels suitable for your cargo requirement.

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SUIT#105/106, GOLDEN ARCADE, OSLO ROAD,PLOT NO 141/142,SECTOR-08, GANDHIDHAM, KUTCH DIST., GUJARAT STATE – 370201

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Goodrich Maritime Pvt. Ltd.



ABOUT US

We are also involved in moving Bulk liquid transportation for Hazardous, Non-Hazardous and Food grade cargoes in ISO Tanks and Flexi Tanks. Introduced under the flagship of the Goodrich Group of Companies it has a division dedicated for **Bulk Liquid Logistics**

Beginning the journey with the advent of the new millennium Year 2000, we were the first to introduce the concept of "**Complete Bulk Liquid Logistics**"

- The division comprises of highly skilled team of people with many years of experience in global transportation Supported by state-of-art IT systems to meet the need of every clientele

Goodrich provides an exemplary level of safe, environmentally responsible product care

We have specialized and personalized services catering to South East Asia / Far East / South East Asia / Arabian Gulf Region/ West Africa / CIS Destinations

At any given point of time we are in a position to confirm competitive freight, Inventory availability and total service commitment.

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Goodrich Maritime Pvt. Ltd.



For Wine & Food Grade products as well as non-hazardous and specialty oils.

Representing Braid Logistics Asia Pte. Ltd. in India & Middle East.

Braid operates multi-ply and single membrane, single trip disposable flexi tanks developed from the latest ultra-high tensile ethylene co-polymers. Tube construction eliminates longitudinal seams thus reducing the risks of defects or failures.

Ethylene co-polymer materials provide stretch and energy absorption properties - which means enhanced physical strength, durability and safety resulting with improved containment.

Specifications

- | | | |
|-----------------------------------|--------------------------------------|------------------------------------|
| 1 Fabric weight: 220 GSM | 5 Tear strength, warp: 1395N/cm | 9 Melt point index: 0.8 |
| 2 Total weight: 790 GSM | 6 Tear strength, weft: 1469N/cm | 10 Fabric weight: 220 GSM |
| 3 Elongation TD (ASTM D882): 710% | 7 Elongation MD (ASTM D882): 645% | 11 Tensile strength, warp: 34.8Mpa |
| 4 Tensile strength, weft: 30.5MPa | 8 High temperature flexibility: 60°C | |

Certifications

The Braid flexi tank is made from films fully compliant with the US FDA regulations notably 21 CFR177.1520 and EU directive 90/128EEC and its various updates.

It has also food grade approvals from the Chinese and Japanese authorities.

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Goodrich Maritime Private Limited



Flexi Tank Presentation

FLEXITANK – What is it ?

- A bag that fits to a standard 20ft container converting it to carry 20 tonne of non-haz liquids.



A decorative graphic consisting of overlapping yellow, red, and blue squares with a black crosshair.

Flexi tank cargoes

- **Cargoes which are non-hazardous and non-viscous with specific gravity less than 1.5 is compatible with flexitanks**

Some cargoes:

- Natural and synthetic latex
- Optical Brighteners
- Plasticiser Alcohols
- Polyols
- Printing Inks
- Process Oils
- Salt solutions
- Silicate Solutions
- Surfactants
- Synthetic Latex
- Synthetic Resins
- Tall Oil Fatty Acid

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Flexi tank cargoes

- Technical Oils
- Transformer Oils
- Transmission fluids
- Vegetable Oils
- Alkylates
- Base Oils
- Chlorinated Paraffin
- Colloidal Solutions
- Detergents
- Disinfectants/Sterilisers
- Dispersions
- Drilling Mud Oils
- Emulsions
- Engine Oils
- Fertilisers
- Glycerine
- Glycols
- Hydraulic Fluid
- Lubricating Oil Additives
- Lubricants
- Marine Oils
- White Oil (Pharmaceutical)
- Fish Meals / Oils

A decorative graphic consisting of overlapping colored squares (yellow, red, blue) and a black crosshair.

Food Grade cargoes

- Beer (Flat)
- Edible Oils
- Food Additives
- Fortified Wines
- Mineral Water
- Red and White Wines
- Sorbitol
- Fruit Juice concentrates
- Amino Acid

Why klean flexitanks ?



- Flexi tanks are technologically advanced to provide the best in terms of quality to clients
- Flexi tank brings economy to packaging and logistics.
- Goodrich provides total support services so that the client gets the best!

A decorative graphic consisting of overlapping colored squares (yellow, red, blue) and a black crosshair.

Klean tanks : Advantages

- One piece construction eliminates traditional longitudinal seams reducing costs, defects, and faults.
- Ethylene co polymers are known for physical strength, durability, and safety.
- Materials used have high stretch and energy absorption capacity.
- Klean tanks are manufactured under controlled conditions in advance of ISO9001 standards.
- FDA and BGA approval for carrying food grade cargoes as one piece constructions ensures internal hygiene of highest order.

Klean tanks : Benefits

- Brand new flexitank each time.
- Fully trained network worldwide.
- Latest IT solutions to manage tank supply and monitor shipments.
- Strict quality control measures each time prior to loading till discharge of cargo.



Klean tanks : quality assurance



- Tanks are tested prior to fitting to ensure integrity.
- Strict checking procedures of all physical operations before and during loading.
- Latest IT solutions to manage tank supply and monitor shipments.
- Highly trained staff with technical competence.
- Unblemished quality and service record

A decorative graphic consisting of overlapping yellow, red, and blue squares with a black crosshair.

FLEXITANK LOADING REGULATIONS

- Tank supplied are nominal capacity of 23,000 or 18,000 litres depending on the specific gravity of the cargo.
- Maximum allowable payload plus 5 %
- Minimum allowable payload minus 10 %
- Maximum loading temperature 60⁰ Celsius
- Minimum loading temperature minus 10⁰ c
- Maximum loading speed 800 litres per min or 50 cbm per hour

FLEXITANK FITTING PROCEDURE – Container Selections

- Containers shall be 30 ton rated and made from corten steel
- Containers must have 2 locking bars on each door
- 20' containers shall be 5 years of age or less
- Do not use containers with decal panels
- Containers shall be supplied in a suitable condition for transport by road, rail or sea
- Containers must be clean, dry and in good order
- The floor and sides must be smooth, no nails or sharp edges / welds
- Prepare the containers using check list supplied

FLEXITANK FITTING PROCEDURE - Container Selections



Container is ISO unit which is less than 5 years old



Container has 2 locking bar on each door

FLEXITANK FITTING PROCEDURE



- Spreading of the flexitank



- Bulkheads in position.
- Ready for loading.....

Klean tanks: coupling

The Flexitank comes with a 2" quick release male fitting completed with a ball valve.

Adaptors are available on request.





FLEXITANK LOADING PROCEDURE

- **Upon container arrival at loading site, open right hand door ONLY (left hand door MUST BE CLOSED at all times)**
- **Check flexitank is in the correct position and not moved during trucking**
- **Connect site delivery line to the flexitank hose and commence pumping**
- **When full, close valve and disconnect site delivery line**
- **Place flexitank hose securely in straps supplied**



Flexitanks : fully loaded

- Flexitank is loaded to maximum.





- Position container with gentle slope to door end of container
- Open right hand door - DO NOT OPEN left hand door
- Removed flexitank hose from straps and place at container door
- Connect site receiving hose and open valve
- Start pumping to discharge
- Continue to pump until flexitank is empty
- Bulkheads can be removed once empty and the tank check for any residues
- If necessary, the tank can be cut open at the corner to remove any remaining liquid





FLEXITANK DISCHARGE PUMP INFORMATIONS

- **Must be self-priming and positive displacement pumps**
- **Air Driven pumps such as a Wilden or Sandpipers are recommended**
- **Gear pumps are also recommended**
- **Centrifugal pumps cannot be used**



Empty Flexitank Disposal Procedures

- **Recycling** :- Polyethylene is extremely suitable for reuse. From an environmental point of view, polyethylene is one of the friendliest materials. It is a thermo-plastic material, which means it can be melted down and used for making products virtually indefinitely.
- **Disposal** :- Logis Ltd. recognizes two means of disposal :-
- **Incineration** :- Incineration is the preferred disposal method. This consists of delivering the drained and packed Flexitank to designated and authorised company which complies with local and environmental regulations.
- **Landfill** :- Landfill is the other disposal method. In this instance and after draining , all valves and vent ports should be removed from the flexitanks. The material of the Flexitank should then be cut into sizes no larger than one square yard (one square meter). The material can then be delivered to a designated and authorised company, which complies with local and environmental regulations.

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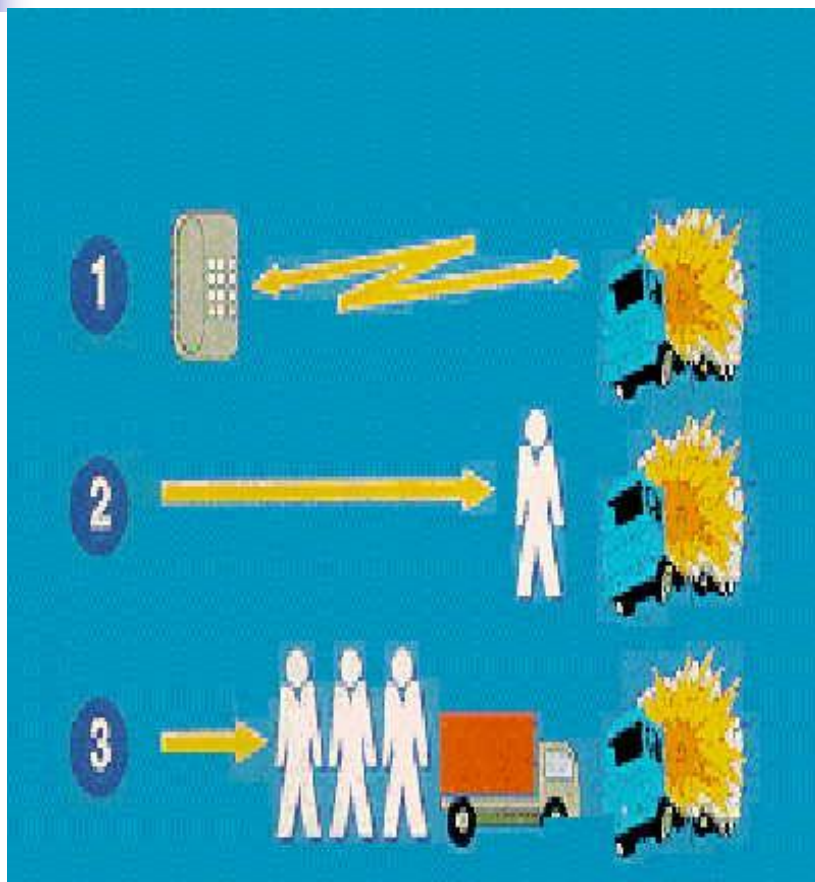


- **Market leading product performance**
 - Unrivalled global performance levels across market sectors served
- **Global Availability**
 - Flexi tank stocks are maintained globally, administered by regional offices in the -UK, France, Singapore, USA, Australia, South Africa, and China.
 - Specialty, tailor made designs can be engineered to meet - Specific customer requirements With capacities range from 12,000 to 24,000 litres
- **Safety**
 - The Braid Group operates within strict guidelines specified in its Environmental Health and Safety Manual.
 - All regional offices strictly enforce the terms of the EHS within their operating areas.
- **Environmentally friendly**
 - The Braid Flexi tank System is environmentally friendly and all materials used can be recycled or readily disposed of.
- **Integrated supply chain**
 - Only true Flexi Tank Company to have a fully integrated supply chain from polymer selection to arriving at your destination.
- **Traceability**
 - Only true Flexi Tank Company to have a fully integrated supply chain from polymer selection to arriving at your destination.
- **Quality assurance**
 - All raw materials and finished products are fully validated by Braids own in house laboratories.
- **Research & Development**
 - We are continuously developing bespoke solutions for the safe transportation for our customer's products.

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Emergency response protocol



Goodrich has developed an Emergency Response Programme based upon our Regional Operating Partners. It covers all geographical areas in which we operate and provides immediate assistance up to Level 3 capability.

Levels of Assistance

Goodrich will offer three levels of assistance:

Level 1: Remote information and general advice by telephone, email or fax

Level 2: Presence of an expert who will provide advice after having carried out an assessment or inspection

Level 3: Equipment and personnel at the scene of an incident. All Tank Containers and Flexitanks will display a 24 hour emergency contact number.



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- **Contact us:**

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Thank you