



PETRO CSC

Chemical Supplying Co



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A Message from CEO

Since our establishment back in 2002 , Petrocsc has pioneered the unexplored middle east chemical industry, playing a key role in improving the quality of life by providing our customers with differentiated products and services.

Petrocsc has strengthened global presence in the petrochemical industry by expanding key businesses including CSF and CACL2 , namely ranging from premium products to daily commodities.

As the clear vision of Petrocsc reads, "Growing with customers by providing innovative materials and solutions", Customer-Value Creation is the core value of our business priority.

We have devoted ourselves to provide customers with better products and services, ultimately achieving greater customer satisfaction by our own differentiated values. Subsequently, sustainability is another chemical company, we are dedicated to strengthening our environmental leadership, practicing transparency in management.

As environmental and economic concerns align, change accelerates. Companies are rethinking the way they work to adapt to growing natural resource constraints and increasing costs. Mindsets and practices are shifting from linear resource use to circular resource management, from simple conservation to sophisticated reuse. The collective impact of these mindful actions is exponential, for both business and the world.

With global factors making the need for sustainable business increasingly urgent, it is evident that we can Do Better Together.

Petrocsc is proud to be a collaborative behind-the-scenes partner in this movement, helping customers at more than 17 countries around in the world find new ways — big and small — to achieve their business goals, deliver on customer chemical raw materials order expectations and at the same time.

In 2017, Petrocsc is proud to exported more than 21000 MT chemical raw materials to more than 17 countries.

Chem promises to dedicate greater effort in creating and innovating affluent future for our customers, stakeholders and humanity. Thank you.

Vice Chairman & CEO
P.Rezaei



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Mission

To passionately create innovation for our stakeholders at the intersection of chemistry, biology, and physics. As a middle east manufacture and distributor of raw material specialties, it is our mission to be a reliable partner to our providers and customers and to provide them with competent, individual and rapid service, by providing products and services conforming to universal standards and quality for healthy and sustainable development. Our motivated employees form the key resource for fulfilling our mission

Vision

Maximize long-term value per share by being the most valuable and respected science company in the world . With our dedication to change, high quality marketed products and services, we aim to become one of the best performing companies in the International Chemical Industry market.

Corporate Strategy

Invest in a market-driven portfolio of advantaged and technology-enabled businesses that create value for our shareholders and customers

Combination of low-cost and value-add products enables superior value creation throughout the cycle

- Integrated manufacturing positions in chemicals, plastics, key materials and agriculture
- Low cost in all product and asset positions, leveraging integrated sites
- Presence in all growing geographic markets
- Growing downstream specialties for valueadd to lowcost positions
- Will be in some commodities to achieve low cost for our integration, and will run these for maximum cash to reinvest in:
- Specialty positions (Integrated Plastics)
- Value-add specialties (Electronics & Agriculture)
- Reward our shareholders via share buybacks and dividend increases

Values

- Integrity
- Respect for People
- Protecting Our Planet



Sales and Marketing

Petrocsc delivers a broad range of products, services and solutions to the world market. We bring order in volatile markets and mitigate risk. Our long-term experiences enable us to develop services that help our industrial partners improve performance.

With a talented and committed sales team featuring unmatched knowledge, experience and global presence, Petrocsc offer producers and end-users all manner of sales and marketing services, timely, accurate market information, risk management, order tracking, invoicing and trade documentation, all of which contribute to our world-class supply chain service operations.

Financial Services

Deep financial insight, an extensive global network and close relationships with banks and insurance institutions give Petrocsc the ideal platform from which to customize solutions for our customers and suppliers.

Tailored solutions

Always ready to embrace new ideas and concepts, Petrocsc has helped importers and exporters the world over to stay competitive. This creative approach is a result of our commitment to deliver financial solutions that precisely match the needs of both buyer and seller. Indeed, we always strive to design our solutions around the buyer/seller's trading cycle, thereby minimizing risks.

Our financial services include:

- Short and medium term trade finance
- Countertrade solutions
- Credit insurance facilities
- Credit management
- Cash management services

Logistics Customer Services

Petrocsc logistics capabilities fulfill the needs of both our suppliers and customers. We integrate these services with our product divisions. As such, we combine our partners' extensive knowledge with our logisticians' considerable expertise.

As a large shipper of goods, Petrocsc has cultivated close relationships with major shipping lines, forwarding companies, terminals, haulers and insurance companies. These partnerships complement our deep product knowledge, resulting in high-quality transportation at competitive costs.

Petrocsc's Logistics services include:

- Container shipments
- Contract negotiations
- Marine insurance
- Inspection of goods
- Vessel chartering
- Claims handling



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Custom Manufacturing and Product Development

At Petrocsc, surpassing customers' expectations is an integral element of who we are and what we do. As such, we continuously design and develop products that meet customers' specific manufacturing needs. Our global lab capabilities and research and development platforms deliver innovative solutions to everyday manufacturing challenges. Our technical professionals work with partners in the oil and gas, chemical manufacturing, refractories, glass and plastic industries to identify and select optimal product characteristics. Leveraging an inventory of more than 500 industrial, pharmaceutical and personal care products, Custom Manufacturing represents more than 35 percent of the Petrocsc Chemicals' sales, and is its fastest-growing sector. Our technical and sales professionals provide these services for global customers:

- Formulations
- Custom blending
- Granulations
- Milling
- Triturations
- Packaging and Re-packing
- Research and development

Our sales professionals feature extensive technical knowledge and experience. Additionally, our team tailors chemical analyses to customers' specific product and manufacturing needs. And our experienced customer service team helps our partners seamlessly manage everyday challenges.

We can prepare operational services such as, providing packing by your own brands and logos (for some type of productions) and review the authentication of the companies in Iran as well as performing all customs services for export.

Excellent Customer Service

When you call Petrocsc, chances are you will first speak with one of our customer service representatives. As a solutions provider, their service is only the beginning of our commitment to providing you with excellent customer service. Once your order is placed, the rest of our team jumps into action to ensure we can meet or exceed your business needs.

Our company-wide focus on customer service is one way Petrocsc continues to earn the respect and loyalty of our customers. From our warehouse employees who will package your products to your specifications to our experienced fleet of drivers hauling Petrocsc owned equipment, the Petrocsc team of professionals is dedicated to you.

Thank you for allowing us the opportunity to serve you!



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Caustic soda flakes

Caustic soda flakes (sodium hydroxide flakes) are prepared by liquid caustic soda which is produced by membrane cell technology. Therefore, this product has the best quality and is without heavy metal impurities. Caustic soda flakes are highly hygroscopic and soluble in water and are used in a lot of different industries. The purity of this product is min %99. Which is packed with 25kg thick PP/PE bags?

We have two kind of packing:

First packing is 25kg PP/PE bags in Jumbo Bag (per jumbo bag is weight is 1.250MT). The next packing form is: 25kg PP/PE shrinking on pallet.
Please check album .

Caustic soda
Caustic soda



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Caustic soda flakes use for:

Caustic soda, or sodium hydroxide, mostly used by industry and chemical manufacturing companies. Some fields caustic soda use for :

- ◆ Refineries Alumina
- ◆ plastic wrap
- ◆ Soaps and cleaners
- ◆ Detergent
- ◆ Textile processing
- ◆ Oil refining
- ◆ Water treatment
- ◆ Metal processing
- ◆ Formula:
- ◆ Sodium hydroxide (NaOH), purity / mass: Min. 99.50
- ◆ Chlorides / NaCl, purity / mass: Max. 0.10
- ◆ Sodium carbonate / Na₂CO₃, purity / mass, Max. 0.40



Linear Alkyl Benzene Sulfonic Acid (LABSA)

Alternatively, ethylene can be oligomerized (partially polymerized) to produce linear alkenes. The resulting linear mono-olefins react with benzene in the presence of a catalyst to produce the LABs. Hydrogen fluoride (HF) and aluminum chloride (AlCl₃) are the two major catalysts for the alkylation of benzene with linear mono-olefins.

Linear Alkyl Benzene Sulfonic Acid (LABSA) Packing

Sulphonic Acid – LABSA PACKING IS: 220 Liter drums.
Please check album.

Linear Alkyl Benzene Sulfonic Acid (LABSA) use for

LAB Sulphonic Acid is an anionic surfactant widely used in formulation of all ranges of Domestic Detergents Powder, Cake & Dish wash



**Linear Alkyl Benzene
Sulfonic Acid (LABSA)**



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cleaners. Due to its high active matter, miscibility with water and low salt content, it is also used in these fields:

- Formulation of Industrial
- Household liquid cleaners

- Washing powder
- Degreaser of plating and leather making industry
- Detergent of dishware

Linear Alkyl Benzene Sulfonic Acid (LABSA) Formula:

Linear Alkyl Benzene Sulfonic Acid(LABSA)

Appearance,25 : Brown viscous liquid

Odor: characteristic odor Active matter, %: 96 min.

Un磺onate matter, %: 2.0 max.

Free sulfuric acid, %: 1.5 max.

Color, Klett (50g/L aq.sol): 50 max.



**Linear Alkyl Benzene
Sulfonic Acid (LABSA)**



Texapon N70

Texapon N70 is a sodium laureth sulfate that usually used in clear and pearlescent, medium to high viscosity shampoos, and detergents products. It is a high active ether sulfate manufactured from a special mid-cut fatty alcohol containing an average of 2 moles of ethylene oxide with maximum control of unwanted by-products, including those causing color and odor.

SLES is prepared by ethoxylation of dodecyl alcohol. The resulting ethoxylate is converted to a half ester of sulfuric acid, which is neutralized by conversion to the sodium salt.[1] The related surfactant sodium lauryl sulfate (also known as sodium dodecyl sulfate or SDS) is produced similarly, but without the ethoxylation step. SLS and ammonium lauryl sulfate (ALS) are commonly used alternatives to SLES in consumer products.



Texapon N70

Texapon N70
The Best Material



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10





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▶ Texapon N70 Packing

Texapon N70 Packing Is: 220 Liter drums.

Please check album.

Texapon N70 use for

Texapon N70 is widely used in formulation of all ranges of Domestic Detergents

Powder, Cake & Dish wash cleaners. Due to its

high active matter, miscibility with water and low salt content, it is also used in these fields:

- ·Formulation of Industrial
- ·Washing powder
- ·Degreaser of plating and leather making industry
- ·Detergent of dishware

Texapon N70 Formula:

Active Matter % : 94

Min pH (1% Aqueous Solution) : 8.5 - 10.5

Sodium Sulphate % : 1.5 Max

Sodium Chloride % : 0.5 Max

Un-Sulfated Matter % : 2.0 Max

Moisture % : 3.0 Max



Texapon N70
The Best Material

Calcium Chloride 98%~99%

Calcium Chloride 98% (CaCl₂) Mini Prill and Powder (CaCl₂) is a basic salt with hygroscopic and is highly soluble in water.

- ◆ Calcium Chloride 98 % (CaCl₂) Mini Prill and Powder is used to adjust the activity of the water phase of invert emulsion oil base drilling fluids to maintain a balanced activity between the fluid and the formation.
- ◆ In completion and work over fluids, it may be used by itself to achieve a maximum density of +/- 1435/kg/m³.
- ◆ Calcium Chloride 98% (CaCl₂) Mini Prill and Powder may be utilized as a soluble weighing agent to adjust the density or activity of fresh water, or as a salinity source in oil base muds.



- ◆ Anhydrous Calcium Chloride 98-99% (CaCl₂) is a purified inorganic salt produced by removing water from a naturally occurring brine solution. Unlike other processes used to produce calcium chloride, the brine process does not involve reactions with chemicals such as hydrochloric acid or ammonia. The National Organic Standards Board noted this distinction when it classified the brine process as "non-synthetic."
Recommended Product Treatment: Calcium Chloride 98% (CaCl₂) Mini Prill and Powder can be added directly through the hopper or pre-dissolved through the hopper or pre-dissolved in a chemical barrel or cement mixed water tank to the desired concentration.

Calcium Chloride 98% (CaCl₂) Typical Properties:

TETRA 94™ calcium chloride (CaCl₂) is a white, high purity pellet with 94 to 97 weight percent CaCl₂.

- ◆ Physical Appearance: White granola
- ◆ Specific Gravity: 2.2
- ◆ Bulk Density: 56 lb/ft³ (900kg/m³)

Calcium Chloride 99% (CaCl₂) Packaging:

CaCl₂ 98% Mini granola and Powder is packaged in: 1- 25kg 2ply 2- 1MT Jumbo Bags
Please check album.



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Calcium Chloride 99% (CaCl₂) use for

White granular anhydrous calcium chloride is manufactured with the raw materials of high quality calcium carbonate and pure hydrochloric acid and through several processes of synthesis, filtering, evaporation, concentration and drying. Calcium chloride main usages are as follow: – Oil and gas drilling agent – Road deicing agents – Road stabilization and dust control – Accelerators in concrete – Industrial processing – as additives in plastics, for calcium salt production, drainage aids for wastewater treatment, etc. – Other applications – tire ballast, hydrocarbon desiccant, refrigeration brine, food processing agent or coagulating agent and additive for foods and many other usages.

Calcium Chloride 99% (CaCl₂) spec:

ROW	Test name	Unit	Degree importance	Accepting Limit	Test result	Test method	Cons
1	Purity(CaCl ₂)	%W	*	Min:93	99.34	ISIRI- 18195 clause 4-1	
2	CaCO ₃	%W	*	–	0.076	ISIRI- 18195 clause 4-3	
3	Fluoride (F ⁻)	%W	*	Max:0.004	0.004	ISIRI-13571 clause 6-5	
4	NaCl	%W	*	–	0.15	ISIRI-18195 clause 7-2	
5	MgCl	%W	*	–	0.02	ISIRI-18195 clause 4-2	
6	pH	–	*	4.5-9.5	9.5	ISIRI-13571 clause 4-3	
7	Heavy metals as Pb PPM		*	Max:0.002	0.002≥	ISIRI- 13571 clause 6-6	



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Sodium hypochlorite (NaClO) 15% ~ 16%~19%

To passionately create innovation for our stakeholders at the intersection of chemistry, biology, and physics. As the only specialized supplier of Sodium hypochlorite In Iran, we focus their expertise to prepare products with best quality and stability and by introducing Rapid Batch method is able to supply this chemical in the shortest possible time and without chlorate ions and other impurities. Using MBR cell method, the produced sodium-hypochlorite is without any metallic impurities;

Sodium hypochlorite Packing

We have four kinds of packing for Sodium-hypochlorite : First packing is 220Liter drums PE (four drums shrinking on a pallet) per pallet contain 1.060 MT sodium Hypo.

The next packing form is: IBC and the each IBC weight is: 1.200MT.

The third packing is Bulk.

The fourth packing is 20 Liter drums, 48 drums shrinking on one pallet each drum weight is: 24kg and each pallet is: 1.152 MT

Please check album.

Chemical properties:

Sodium hypochlorite is a good oxidizing agent. It reacts with protic acids such as HCl, to form salts while releasing toxic chlorine gas. It also reacts with some acids to form hypochlorous acid (HClO). In water, it decomposes into sodium and chloride ions, as well as the powerful oxidizing agent, hydroxyl radical (OH.). NaClO also decomposes into sodium chloride and oxygen.



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14

Sodium hypochlorite (NaClO) use for

Sodium-hypochlorite is the main raw material for cleaners and detergents and industry and many chemical manufacturing companies. Some fields Sodium Hypochlorite use for:

- Bleaching agent in the textile plastic wrap
- Soaps and cleaners and detergents
- paper and pulp industries
- Oil refining
- Water treatment
- Oxidizing agent use for organic products
- Oil and gas and petrochemical fields
- Wastewater treatment
- Sanitary equipment

Formula

Specific gravity / 25 °C: Min. 1.2

Active Chlorine: Min. 15.00% wt

Total alkali as NaOH: Max. 1.50% wt



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Calcium Hypochlorite > 65%

Definition - What does Calcium hypochlorite mean?

Calcium hypochlorite is a chemical compound with formula $\text{Ca}(\text{ClO})_2$. It is widely used for water treatment and as a bleaching agent or disinfectant. This chemical is considered relatively stable and has greater available chlorine than sodium hypochlorite (liquid bleach).

Calcium hypochlorite can be used as:

- Drying and strengthening agent
- Retention agent
- Filter agent
- Wastewater treatment
- Oil chemical assistants

Corrosionpedia explains Calcium hypochlorite

Calcium hypochlorite is a white or grayish white granular powdered solid with a pungent odor, which is corrosive and toxic. When calcium hypochlorite is dissolved in water, it gives off heat and nascent oxygen. When it reacts with organic substances and oils, it brings about combustion because of violent decomposition.

Calcium hypochlorite is more stable than sodium hypochlorite, and contains a higher chlorine concentration (30-75%). Like sodium hypochlorite, calcium hypochlorite also increases water pH, so it is advised to acidify the water during the disinfection process.

All forms of calcium hypochlorite contain insoluble residues that form sediments in the solution. It is important to eliminate the sediment before injecting the calcium hypochlorite solution into a treated water tank to avoid clogging.

Calcium hypochlorite is generally sold as 68% calcium hypochlorite combined with calcium chloride and other salts. It is used as a sanitizer in outdoor swimming pools. The calcium content hardens the water and tends to clog up filters; hence, some products containing calcium hypochlorite also contain anti-scaling agents.

Localized corrosion such as pitting and crevice corrosion of stainless steels can occur in the presence of calcium hypochlorite.

Calcium hypochlorite is best kept in a cool dry place away from any organic material. It is known to undergo self heating and rapid decomposition accompanied by the release of toxic chlorine gas, which is highly corrosive.

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15



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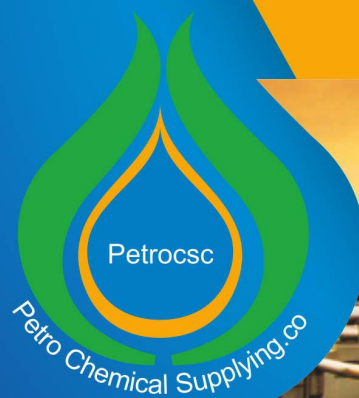
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16

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