



PETRO ARSESS



**Petrochemicals, chemicals, and raw materials
Manufacturing & Supply**

International Trading Company



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www.petroarsess.com

ABOUT US

THE PETRO ARSESS, was established in 2016, aiming to expand exporting of chemical and petrochemical products, raw mine materials and oil derivatives, considering to increase the internal country currency resources and also for employment of proficient forces, respecting to gain the esteemed customers satisfaction and to employ highly motivated and experted forces to supply the mentioned products with highest quality and rock bottom prices.

The company's main activities are to supply and to export the different kinds of oil derivatives, chemical and petrochemical products, mine raw materials and base oil.

Recently, to expedite for doing internal and external transportation, in parallel of doing captioned main activities, it was decided to open our sister logistic company and this matter caused the less transportation charges, consequently to obtain low delivery time of products and finally to get the good customers satisfaction.

It is remarkable to advise that this company, due to have close and good relations with big chemical and petrochemical, mine and oil factories, can supply the mentioned products with highest quality for secondary material production industries.

The majority of our products have been exported to countries such as UAE, Qatar, Russia, Uzbekistan, Tajikistan, Azerbaijan, Turkmenistan, Pakistan, Iraq, India and few African countries.

For sure, as described above, we are so delighted with great pleasure and honor to recieve our respected dear customers' inquiries, enabling to have a long step toward the development of our dear country, as well as to gain our good customers satisfaction.



PETRO ARSESS SERVICES

- Consulting
- Financing
- Supplying
- Packaging
- Trading Through International Commercial Terms
- Providing Essential Documents
- Doing Inspection and Laboratory Test
- Delivering on Time and Reliably



Our Mission

To make, produce, sell & trade the best quality chemicals and petrochemicals with a continued commitment to meet the market needs, orders & standards while promoting business practices that respect our employees, our customers, our suppliers and the environment.



Our Vision

To be a competitive leader in the chemical sector locally and globally by constantly developing and upgrading our products while remaining true to our core values.



Our Values

Customer Focus: We concentrate our efforts on the individual requirements of our customers and help them strengthen their competitive position and performance.

Our Products

- Monoethylene Glycol (MEG)
- Diethylene Glycol (DEG)
- Triethylene Glycol (TEG)
- Monoethanolamine (MEA)
- Diethanolamine (DEA)
- Triethanolamine (TEA)
- Caustic soda flake 99%
- Caustic soda liquid 50%
- Calcium Hypochlorite 60%~65%
- Calcium Chloride 94%~96%
- Calcium Chloride 80%
- Sodium Hypochlorite 15%
- Sodium Sulfide 60%~70%
- Sodium Carbonate (Soda Ash Dense)
- Sodium Carbonate (Soda Ash Light)
- Sodium Bicarbonate (Baking Soda)
- Aluminum Sulfate 17%
- Ammonium Sulfate Crystal
- Sulfonic Acid (LABSA)
- Sodium Lauryl Ether Sulfate (SLES)
- Ferric Chloride 37-42%
- Methanol
- Antifreeze
- Barite 4.20
- Bentonite (API)

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This company also produces the following products:

- Coconut fatty acid Diethanolamide (CDEA)
- Cocamidopropyl betaine (CAPB)
- Base Oil (Recycle & Virgin)
- Polymer & Compound
- Carbonate Calcium
- Acetic acid
- Bitumen
- Paraffin
- PE Wax





On-Time! PETRO ARSESS LOGISTICS

Introducing the Best Ocean Freight and Services from Any Ports, Any Countries like as Persian Gulf, India-Sub Content, South Asia, Europe, Africa, America... Established in 2016 with excellent experience in the shipping industry and adhering to the principles of transportation according to domestic and international laws and regulations and providing regular services to operational groups with great experience and experiences, with pride in the course of global exchanges, it has become one of the strongest and most specialized shipping companies.

Excellent service in the field of container transportation in 20'FT and 40'FT. A good relationship with reputable domestic agencies and companies in Iran in the field of export and import, also in the field of international waters from different countries of the world including Italy, Greece, Germany, China, Oman, Kuwait, Qatar, UAE, India, Türkiye, Iraq, Malaysia, Indonesia, America and Canada. We can provide very good services with the best rates in the field of Ocean Freight to its customers.

The services implemented in this shipping in the field of commerce and consulting for the owners of the goods, forecasting the future commercial markets and Shipping can also be mentioned, in this regard, weekly freight rates are announced for all types of containers Imported and exported cargoes to all parts of the world can be mentioned along with the market index announcement table Completed container, which will be notified according to the customer's request.

Services:

- Container 20'ft & 40'ft
- HC - HD - RF - FLEXI - ISO Tank - Bulk
- Trucking: Full Truck & Groupage
- Transshipment & Cross Stuffing

We value your time and trust
in our logistics services!

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 www.petroarsess.com

Thank
You!



Mono Ethylene Glycol (MEG) | C₂H₆O₂

HS Code: 29053100

Applications

Monoethylene glycol is a chemical substance that is produced by the reaction of ethylene or ethylene oxide. It is used as a corrosion inhibitor in antifreeze and coolants, and in the manufacturing of polyester. Monoethylene glycol is used as an inhibitor coating compound. Which is a protective barrier in the form of a solid, film or fluid applied to a metallic surface to prevent corrosion. These barrier coatings possess chemical or physical properties that prevent corrosion reactivity and/or material degradation due to external factors.

Characteristic	Test Method	Unit	Value
PURITY	ASTM E-202	WT.%	99.8 MIN.
DIETHYLENE GLYCOL	ASTM E-202	WT.%	0.08 MAX.
WATER CONTENT	ASTM E-203	WT.%	0.08 MAX.
ACIDITY AS ACETIC ACID	ASTM D-1613	WT.PPM	10 MAX.
ASH	DC-254A	gr/100ml	MAX.0.005
CHLORIDES	EO-635	WT.PPM	0-1 MAX.
IRON	ASTM E-202	WT.PPM	0.1 MAX.
ALDEHYDE AS ACETALDEHYDE	DC-163C	WT.PPM	10 MAX.
COLOR Pt-Co	ASTM D-1209	Pt-Co	5 MAX.
SP. GR (20/20°C)	ASTM D-891	-	1.1151 – 1.1156
DISTILLATION @ 760 MM-Hg			
IBP	ASTM D-1078	°C	196 MIN.
DP	ASTM D-1078	°C	199 MAX.
5-95 VOL % RANGE	ASTM D-1078	°C	1 MAX.



Packaging:

- ◆ BULK
- ◆ Packing into IBC barrels
- ◆ 230-liter barrels stacked on pallets

Di Ethylene Glycol (DEG) | $C_4H_{10}O_3$

HS Code: 29094100

Applications

- Pharmaceutical industry
- Cosmetic industry
- Fire Extinguisher
- Food industry
- Leather tanning
- Paper making
- Medical uses
- Water treatment

Characteristic	Test Method	Unit	Value
PURITY	ASTM E-202	WT.%	99.8 MIN.
MONOETHYLENE GLYCOL	ASTM E-202	WT.%	0.05 MAX.
TRIETHYLENE GLYCOL	ASTM E-202	WT.%	0.05 MAX.
WATER CONTENT	ASTM E-202	WT.%	0.05 MAX.
ACIDITY AS ACETIC ACID	ASTM D-1613	PPM	50 MAX.
ASH CONTENT	ASTM D-254/A	PPM	50 MAX.
COLOR	ASTM D-1209	Pt-Co	10 MAX.
SP. GR (20/20°C)	ASTM D-891	-	1.1175 – 1.1195
DISTILLATION @ 760 MM-Hg			
IBP	ASTM D-1078	°C	242 MIN.
DP	ASTM D-1078	°C	250 MAX.

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Packaging:

- ◆ BULK
- ◆ Packing into IBC barrels
- ◆ 230-liter barrels stacked on pallets



Tri Ethylene Glycol (TEG) | $C_6H_{14}O_4$

HS Code: 29094900

Applications

- Oil and Gas Industry
- Automotive industry
- Textile
- Cosmetic Products
- Production of Resins
- Solvent Applications
- Heat Transfer Fluids

Characteristic	Test Method	Unit	Value
PURITY	ASTM E-202	WT.%	97 MIN.
MEG CONTENT	ASTM E-202	WT.%	2 MAX.
TEG CONTENT	ASTM E-202	WT.%	1 MAX.
WATER	ASTM E-203	WT.%	0.05 MAX.
ACIDITY AS ACETIC ACID	ASTM D-1613	WT.%	0.01 MAX.
ASH CONTENT	DC-254/A	PPM	50 MAX.
COLOR	ASTM D-1209	Pt-Co	25 MAX.
SP. GR (20/20°C)	ASTM D-891	-	1.124 – 1.126
DISTILLATION @ 760 MM-Hg			
5-95 VOL % RANGE	ASTM D-1078	°C	289-295

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Packaging:

- ◆ BULK
- ◆ Packing into IBC barrels
- ◆ 230-liter barrels stacked on pallets

Monoethanolamine (MEA)

HS Code: 29221110

Applications

- Scrubbing acidic gases (H_2S , CO_2)
- Pharmaceuticals
- Textile auxiliaries
- Cosmetics
- Power plants

Characteristic		Test Method	Unit	Value
PURITY		MA - 503 (GC)	WT.%	99 MIN.
WATER CONTENT		ASTM D-1364	WT.%	0.2 MAX.
COLOR Pt-Co	Steel Drum	ASTM D - 1209	-	30 MAX
	HDPE Drum / ISO tank			10 MAX
SP. GR (20/20°C)		ASTM D-891	-	1.017-1.019
EQUIVALENT MOL. WEIGHT		MA - 503	-	61-62.5

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Packaging:

- ◆ BULK
- ◆ Packing into IBC barrels
- ◆ 220-liter barrels stacked on pallets



Diethanolamine (DEA)

HS Code: 29221220

Applications

Shampoo, Perfume, Sunscreen, Floor polish and all sorts of other cosmetics and cleaning products.

Characteristic	Test Method	Unit	Value
Purity	MA - 503 (GC)	WT.%	98.5 MIN.
Color	ASTM D-1209	Pt-Co	15 Max
Water	ASTM D-1364	WT.%	0.15 MAX.
MEA	MA - 503	WT.%	0.6 Max
TEA	MA - 503	WT.%	0.8 Max
SP. GR (20/20°C)	ASTM D-891	-	1.09-1094
Equivalent M. W	MA - 238	WT.%	104-106

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Packaging:

- ◆ BULK
- ◆ Packing into IBC barrels
- ◆ 220-liter barrels stacked on pallets

Triethanolamine (TEA 85%, 99%)

HS Code: 29221500

Applications

Triethylamine is mainly used in the production of quaternary ammonium compounds for textile aids and quaternary ammonium salts of dyes. It is also a catalyst and acid neutralizer in condensation reactions and is used as an intermediate in the production of drugs, pesticides and other chemicals.

TEA 85%

Characteristic	Test Method	Unit	Value
Purity	MA – 503 (GC)	WT.%	85 MIN.
Color	ASTM D-1209	Pt-Co	50 Max
Water	ASTM D-1364	WT.%	0.20MAX.
MEA	MA - 503	WT.%	0.50 Max
DEA	MA - 503	WT.%	15 Max
SP. GR (20/20°C)	ASTM D-891	-	1.122-1.130

TEA 99%

Characteristic	Test Method	Unit	Value
Purity	MA – 503 (GC)	WT.%	99 MIN.
Color	ASTM D-1209	Pt-Co	75 Max
Water	ASTM D-1364	WT.%	0.2 MAX.
SP. GR (20/20°C)	ASTM D-891	-	1.122-1.127



Packaging:

- ◆ BULK
- ◆ Packing into IBC barrels
- ◆ 220-liter barrels stacked on pallets



Caustic soda liquid 50% | NaOH

HS Code: 28151200

Applications

Sodium hydroxide is used in the aluminum industry to dissolve bauxite ore, the raw material for aluminum production, it is also used in pulp and paper bleaching processes, chemicals, soaps, food and healthcare industries.

Test Name	Complex Spec	Accepting Limit	Unit
Purity of Sodium Hydroxide (NaOH)	>49	Min 48	%W
Carbonate as Na ₂ CO ₃	<0.3	Max 0.5	%W
Chloride as NaCl	<0.006	Max 0.03	%W
Sulfate as Na ₂ SO ₄	<0.002	Max0.007	%W
Silicate as SiO ₂	<0.001	Max0.01	%W
Fe	<3	Max 10	ppm
Insoluble in water	<0.01	Max 0.05	%W
Aluminum as Al ₂ O ₃	<1	Max 10	ppm
Heavy metals as Pb	<3	Max 10	ppm
Mercury	<0.1	Max 0.1	ppm
Arsenic as As ₂ O ₃	<1	Max 1	ppm



Packaging:

◆ Bulk

(shipped in special tanker)

◆ IBC tanks

Calcium Hypochlorite Granule 60%~65% | $\text{Ca}(\text{ClO})_2$

HS Code: 28281000

Applications

Calcium Hypochlorite is used in water treatment to remove bacteria in drinking water supplies. It is widely used in the production of paper products, disinfectants, pigments, food, insecticides, petroleum products, plastics, solvents.

Item	Result	Item	Result
Active Chloride, %W/W	Min 57	Lead as Pb, mg/Kg of Active Chlorine	Max 15
Solubility as Active Chlorine (Powdered sample), % W/W	Min 45.5	Nickel as Ni, mg/Kg of Active Chlorine	Max 8
Insoluble in Water, % W/W	Max 12	Chromium as Cr, mg/Kg of Active Chlorine	Max 15
Moisture, % W/W	2-8	Arsenic as As, mg/Kg of Active Chlorine	Max 2
Residue on 425 Micrometer sieve, % W/W	Min 68	Mercury as Hg, mg/Kg of Active Chlorine	Max 1
Residuc on 2 mm sieve, % W/W	Max 24	Antimony as Sb, mg/Kg of Active Chlorine	Max 5
Iron as Fe, % W/W	Max 0.5	Selenium as Se, mg/Kg of Active Chlorine	Max 5
Cadmium as Cd, mg/Kg of Active Chlorine	Max 5	Appearance	White Granulated

Test Name	Unit	Importance degree	Accepting Limit	Test request
Active Chlorine	%W	Important	Min: 65	67.4
Sodium Chloride	%W	Important	Max: 20	5.26
Insoluble in water	%W	Important	Max: 8	6.07
Solubility as active chloride	%W	Important	Min: 45.5	60.32
Amount of Water	%W	Important	2-8	4-9
Residue on 425 micrometer sieve	%W	Important	Min: 75	88.02
Residue on 2 mm sieve	%W	Important	Max: 20	5.89
Cd	mg/ Kg of active chlorine	Critical	Max: 10	Nil
Pb	mg/ Kg of active chlorine	Critical	Max: 15	Nil
Ni	mg/ Kg of active chlorine	Critical	Max: 10	3.89
Cr	mg/ Kg of active chlorine	Critical	Max: 15	6.8



Packaging:

- ◆ 27 drum 40kg on 22pallets

Calcium chloride solid 94 ~ 96% | CaCl_2

HS Code: 28272000

Applications

- Oil and gas drilling agent
- Deicing and preventing road freezing
- Food industry
- Pharmaceutical
- Road deicing agents
- Road stabilization and dust control
- Accelerators in concrete
- Industrial processing

Test Name	Accepting Limit	Test request
Purity (CaCl_2)	Min: 94	Min 96
$\text{Ca}(\text{OH})_2$	Max: 0.2	Max 0.1
Fluoride (F^-)	Max: 0.004	Max 0.003
NaCl	Max: 6	Max 1
MgCl_2	Max: 0.5	0.09
PH	4.5-9.5	8-9.5
Bulk Density (gr/cm^3)	---	0.75-0.85
Appearance	White Granule	White Granule

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Packaging:

- ◆ 25 kg PP/PE bags in Jumbo bag 1MT
- ◆ 1MT Jumbo bags

Calcium chloride solid 80% | CaCl_2

HS Code: 28272000

Applications

- Drilling fluids
- Oil and Gas
- Construction
- Water Treatment
- Safety
- Detergent
- Paint industry

Properties	Unit	Required	Result
PURITY	%By Weight	77 Min	80
Insoluble Solid	%By Weight	4 Max	0.7
MOISTURE	%By Weight	5 Max	3
PH	P.H.	7 Min	7
Percentage Of Remaining On Astm.Sieve No.4/8	%By Weight	NIL	-
Percentage Of Remaining On Astm.Sieve No.40	%By Weight	85 Min	85
Specific Gravity Of 280 Grs Samp.In 350 ml Fresh Water	P.C. F	83.5 Min	83.5
Settlement Of 280 Grs Samp. 350 ml of Fresh Water	% By Vol	1 Max	0.8
Appearance	Colour	White	White



Packaging:

- ◆ 25 kg PP/PE bags in Jumbo bag 1MT
- ◆ 1 MT jumbo bags

Sodium hypochlorite | NaClO

HS Code: 28289010

Applications

Sodium Hypochlorite is used in various industries such as paper production, textile, oil and petrochemical, pharmaceutical industry, detergent production, etc.

In the textile industry, Sodium Hypochlorite is used as a bleaching agent to bleach textiles. Its bleaching properties are widely used in the paper and pulp industries.

Test Name	Complex Spec	Accepting Limit	Unit
Active Chlorine	≥ 150	Min 120	g/L
NaOH	1	Min 0.5	%W/V
Na ₂ CO ₃	<0.2	Max 1	%W/V
NaClO ₃	0.2	Max 0.7	%W
Fe	<1	Max 3	ppm
Heavy metals	<0.2	Max 0.5	ppm
Color	Yellow or Yellowish green	Yellow or Yellowish green	-
Appearance	Clear Solution & Sediment free	Clear Solution & Sediment free	-

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Packaging:

- ◆ BULK
(shipped in special polyethylene tanker)
- ◆ Packing into IBC barrels
- ◆ 220-liter barrels stacked on pallets

Sodium Sulfide 60% | Na₂S

HS Code: 28301000

Applications

Sodium sulfide is predominately kraft process in the pulp and paper industry. Other applications can include use in water treatment, chemical photography, textile and leather industry and as chemical intermediate in a wide variety of industrial processes.

Parameter	Test Method	Limit	Result
Na ₂ S	%	-	58-60
Na ₂ SO ₃	%wt	Less Than	2
Na ₂ CO ₃	%wt	Less Than	0.5
Fe	%wt	-	0.03
Unsoluble	ppm	Less Than	15
Density	Kg/m ³	-	1600
Melting Point	°C	-	90
Color		-	yellow

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Packaging:

- ◆ 25 kg PP/PE bags in Jumbo bag 1MT

Sodium Carbonate (soda ash) Dence | Na_2CO_3

HS Code: 28362000

Chemical Composition	Unit	Specification
Sodium Carbonate	%wt	Min 99.2
Sodium Chloride	%wt	Max 0.4
Sodium Bicarbonate	%wt	Max 0.1
Sodium Sulfate	%wt	Max 0.05
IRON (Fe)	ppm	Max 40
Loss on Heating	%wt	Max 0.2
Moisture	%wt	Max 0.2
Ni	ppm	30
Cr	ppm	10
Mn	ppm	10
Cu	ppm	30
Total Alkalinity	%wt	Min 58.12
Pouring Density	g/cm ³	0.85-1.1
Mesh	%wt	< 40
Mesh	%wt	40-140
Mesh	%wt	> 140

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Packaging:

- ◆ Jumbo bags 1250-kg
- ◆ Bags 25 & 50-KG which repacked on 1000 or 1250 kg

Sodium Carbonate (soda ash) Light | Na_2CO_3

HS Code: 28362000

Applications

- Metallurgy, Glass Manufacturing, Textile, Dye printing, Medicine
- Synthetic detergent, Petroleum, Food industries
- Chemical Industry, Environmental Application

Chemical Composition	Unit	Specification
Sodium Carbonate	%wt	Min 99.2
Sodium Chloride	%wt	Max 0.4
Sodium Bicarbonate	%wt	Max 0.1
Sodium Sulfate	%wt	Max 0.05
IRON (Fe)	ppm	Max 40
Loss on Heating	%wt	Max 0.2
Moisture	%wt	Max 0.2
Ni	ppm	30
Cr	ppm	10
Mn	ppm	10
Cu	ppm	30
Total Alkalinity	%wt	Min 58.12
Pouring Density	g/cm ³	0.45-0.60

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Packaging:

- ◆ Jumbo bags 1250-kg
- ◆ Bags 25 & 50-KG which repacked on 1000 or 1250 kg

Sodium Bicarbonate (Baking Soda) Industrial Grade | NaHCO_3

HS Code: 28363000

Applications

- Household and the cleaning industry
- Beauty industry
- Fire extinguishing
- Oil and gas industry

No	Heavy Metal Specification	Result	Range	Method
1.	Heavy metal as lead (mg/kg)	Less than 5	Max 5	ISIRI 4270
2.	Hg (mg/kg)	0.02	Max 0.1	ISIRI 16722
3.	Cd (mg/kg)	0.2	Max 0.05	ISIRI 16722
4.	As (mg/kg)	0.5	Max 1	ISIRI 16722
5.	Fe (mg/kg)	2.82	Max 5	ISIRI 9266

No	Chemical Specification	Result	Range	Method
1.	Sodium bicarbonate (m/m%)	99	Min 98	ISIRI 4270
2.	Appearance	Confirm	White powder	ISIRI 4270
3.	Solubility	Confirm	Soluble in water Insoluble in ethanol	ISIRI 4270
4.	Total alkalinity (m/m%), on dry basis	99.12	Min 98	ISIRI 4270
5.	Ammonia	Confirm	Negative	ISIRI 4270
6.	Insoluble substance water (m/m%)	Confirm	Max 200 ppm	ISIRI 4270
7.	Moisture (m/m%)	0.216	Max 0.25	ISIRI 4270
8.	PH (Solution 5%)	8.2	8.2~8.6	ISIRI 4270
9.	Sodium chloride, as chloride (mg/kg)	Less than 150	Less than 150	ISIRI 4270
10.	Sodium carbonate (m/m%)	1	Max 1	ISIRI 4270

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Packaging:

- ◆ 25 kg PP/PE bags in Jumbo bag 1.250MT

Aluminum sulfate 17% | $\text{Al}_2(\text{SO}_4)_3$

HS Code: 28332200

Applications

- Pharmaceutical industry
- Leather tanning
- Cosmetics industry
- Paper making
- Fire Extinguisher
- Medical uses
- Food industry
- Water treatment

Property	Units	Limit	Result	Analyze Method
Al ₂ O ₃	% w/w Min	17	17.68	INSO 3096
PH 1%	% w/w Min	3	3.24	INSO 3096
Insoluble	% w/w Max	0.1	0.08	INSO 3096
Free H ₂ SO ₄	% w/w Max	0.00	0.00	Turkish
Free Al ₂ O ₃	% w/w Max	0.23	0.019	Turkish
Fe ₂ O ₃	% w/w Max	0.03	0.026	INSO 3096

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Packaging:

- ◆ 25 KG bags in Jumbo Bag 1MT

Ammonium Sulfate Crystal | $(\text{NH}_4)_2\text{SO}_4$

HS Code: 310221

Applications

- Crystal ammonium sulfate fertilizers are used as substitutes for soil nutrients that are lacking in certain areas. Additionally, due to the alkaline nature of Iranian soils, the use of urea leads to numerous problems in the soil and the toxicity of the products. However, ammonium is absorbed by soil particles due to its positive charge, preventing the leaching of the nitrogen element
- The application of crystal ammonium sulfate fertilizer enhances the incorporation of organic residues back into the soil, thereby contributing to improved soil health and fertility
- Optimal solubility with minimal loss through sublimation and leaching
- It contains ammonia nitrogen, the most favorable form of nitrogen for plant absorption
- It also caters to soil pH regulation and supplies vital nutrients, including iron, manganese, and phosphorus

No	Item	Measured
1	Density, gr/cm^3	1.769
2	The specific gravity of an aqueous solution with a mass fraction of ammonium sulfate 42% is, kg/m^3	1221
3	In aqueous solutions	Acid reaction
4	Solubility of ammonium sulfate in water: at 0°C , %weight	41.35
5	Solubility of ammonium sulfate in water: at 20°C , %weight	42.85
6	Solubility of ammonium sulfate in water: at 100°C , %weight	50.8
7	Solubility in water at 20°C	75.4
8	Relative molecular weight, $\text{g}/100 \text{ ml}$	132.14052
9	Molar mass, a.eat	132.14052
10	Density, $\text{g}/\text{mol} - \text{g}/\text{cm}^3$	1.769 (20°C)
11	Melting point, $^\circ\text{C}$	235-280
12	Decomposition temperature, $^\circ\text{C}$	218
13	Enthalpy of formation (st. arb.)	-1180KJ/mol



Packaging:

- ◆ 25 kg PP/PE bags in Jumbo bag 1MT

Sulfonic Acid (LABSA) | $C_{18}H_{30}SO_3$

HS Code: 34023110

Applications

• **Drilling Fluids**

• **Detergent**

• **Health and Medical**

Test Name	Standard	Result
Active Matter	[96-98]	96.4
Free Oil	2%Max	1.5
Color (Klett)	70 Max	16
Free Sulfonic Acid	1.8 % Max	1.67
Appearance	Brown Viscose Liquid	Light Brown Viscose Liquid
Molecular Weight	322	322
Specific Gravity	1.05 g/cm	1.05 g/cm
Boiling Point	— 315°C	— 315°C
Water %	Max 0.5	0.45

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Packaging:

- ◆ Bulk
- ◆ 220-Liter barrels stacked on pallets

Sodium Lauryl Ether Sulfate (SLES) | $C_{24}H_{50}Na_2O_5S$

HS Code: 34021190

Applications

• Shampoo

• Shower Gel

• Face Wash

• Dish Wash

• Liquid Detergent

Specification	Standard	Result
Molecular Weight (g/mol)	384	384
Free Oil	Max 2.5	2.4
Active Matter	[68-72]	70.0
Color (Hazen)	Max 30	12
Sodium Sulfate	Max 1.5	0.19
pH (5% (w,w))	[7-9]	7.5
1,4 Dioxane	Max 50	39
Appearance	Colorless or Light Yellow	Light Yellow
NaCl %	Max 0.5	0.02
Oxidants (ppm)	0	0
Fe (ppm)	Max 20	< 10
Formaldehyde (ppm)	Max 250	0
Heavy Metals (ppm)	Max 20	< 1

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Packaging:

◆ 220 Lit HDPE drums

Ferric Chloride 37-42% | $\text{FeCl}_3(\text{H}_2\text{O})_x$

HS Code: 28273990

Applications

It is used in various textile dyeing, metallurgy, the pharmaceutical industry, and sewage treatment processes. The ferric chloride test is used to determine the presence of phenols in a given sample or compound, or natural phenols in a plant extract.

No	Propety	Units	Limit	Result
1	FeCl ₃	%w/w	37 – 43 %	38.32
2	FeCl ₂ Max	%w/w	0.6	0.2
3	Free HCl	%w/w	1	<0.3
4	Insoluble Mater	%w/w	0.2	<0.1
5	Zn Max	%w/w	2	1.1
6	AS Max	%w/w	0.003	<0.001
7	Pb Max	%w/w	0.008	0.003
8	Hg Max	%w/w	0.0003	<0.0003
9	Mn Max.	%w/w	0.3	0.031
10	Cd Max	%w/w	0.002	<0.001
11	Cr Max.	%w/w	0.02	0.002
12	Se Max	%w/w	0.002	<0.002
13	Ni Max	%w/w	0.007	0.002
14	Sb Max	%w/w	0.002	<0.002

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Packaging:

- ◆ Bulk
- ◆ 220Liter barrels stacked on pallets,
- ◆ IBC

Methanol | CH₃OH

HS Code: 29051100

Applications

- Drilling Fluids
- Petrochemical
- Plastic
- Paint
- Laboratory solvent
- Biofuel
- Gasoline
- Energy carrier
- Denaturing alcohol

Parameter	Test Method	Limit	Result
Appearance	Visual Inspection	Colorless, Clear liquid	Colorless, Clear liquid
Purity, %wt	ASTM D3545	Min. 99.5	99.8
Water, %wt	ASTM D1364	Max. 0.2	0.01
Acidity as Acetic Acid, % wt	ASTM D1613	0.004	0.004
Density at 20°C	ASTM D1298	0.79	0.79
Boiling range at 760 mmHg, °C	ASTM D1078	64	64

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Packaging:

- ◆ Bulk
- ◆ 220-Liter drum steel stacked on pallets

Anti-Freeze Organic & Mineral

HS Code: 38200000

Applications

Antifreeze is a tinted liquid that you put (along with water) in your radiator to help regulate engine temperature. Its key ingredient is ethylene glycol, which lowers water's freezing point and raises its boiling point. This helps prevent the water in your radiator from freezing, boiling, or evaporating.

Test Items	Quality Standard	Unit	
Physical Appearance	Transparent liquid and without sediment	-	
Density at 15.5 °C	1.110-1.145	g/cm ³	
Boiling point	163 min	°C	
Reserve Alkalinity	Report	-	
Water Content	5 Max	Mass%	
PH	7.5-11	-	
Freezing point Temperature for Anti-Freeze solution 25%	-10 Max.	°C	
Freezing point Temperature for Anti-Freeze solution 33.3%	-14.5 Max.	°C	
Freezing point Temperature for Anti-Freeze solution 50%	-37 Max.	°C	
Boiling point Anti-Freeze solution 50%	108 Min.	°C	
Corrosion in Glassware Weight Loss	Brass	±10	mg
	Copper	±10	
	Aluminum	±30	
	Cast Iron	±10	
	Steel	±10	
	Solder	±30	
Physical Appearance	No visible surface erosion, however, contamination and de coloration are not concerned	-	



Packaging:

- ◆ 230 Lit PE drums
- ◆ IBC
- ◆ Galon 20Lit

Barite 4.20

HS Code: 25111010

Applications

- Formation pressure control
- Well wall stability
- Rock Chip Transfer
- Cooling and cleaning of drilling tools
- Preventing oil and gas leakage

NO.	Chemical Specification	Result
1.	Soluble Gravity	Min 4.20 gr/cm ³
2.	Soluble alkaline earth metals as calcium	40-150 ppm
3.	Water soluble solids	0.10%
4.	Apparent viscosity before	95/95 cps
5.	After adding of gypsum	
6.	Ph at room temp & 180°F	6.5
7.	Residue on ASTM sieve No:20 (200 mesh)	2-4%
8.	Residue on ASTM sieve No:32 (325 mesh)	8-12%
9.	Moisture	Max 0.2%
10.	Purity BaSO ₄	up 91%



Packaging:

- ◆ Jumbo bag 1.5MT

Bentonite (API)

HS Code: 250810

Applications

- 1. Moisture absorbent:** This material can absorb water up to several times its weight. This property makes it suitable for applications such as oil and gas well drilling, water and wastewater treatment, and detergent production.
- 2. Swell ability:** this material swells in contact with water and can fill the empty space. This property is used for applications such as sealing dams and canals, and producing refractory materials
- 3. Ion exchange capability:** this material can absorb and release different ions. This property is used for applications such as soil and water purification, and the production of chemical fertilizers.

Bentonite is also a very versatile mineral. In a wide range of products including: Drilling mud, Sealant, Cat Litter, Baby powder, Cosmetics, Medicines

No.	Chemical Specification	Result
1.	Viscometer dial reading at 600rpm	31
2.	Viscometer dial reading at 300rpm	25
3.	Moisture	10%
4.	Filtrate	16.5
5.	PV/YP ratio	3.1
6.	PV	19
7.	YP	6
8.	Wet screen on 200 mesh:	2%
9.	Wet screen on 325 mesh:	0.5%

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Packaging:

◆ Jumbo bag 1MT

PETRO ARSESS

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