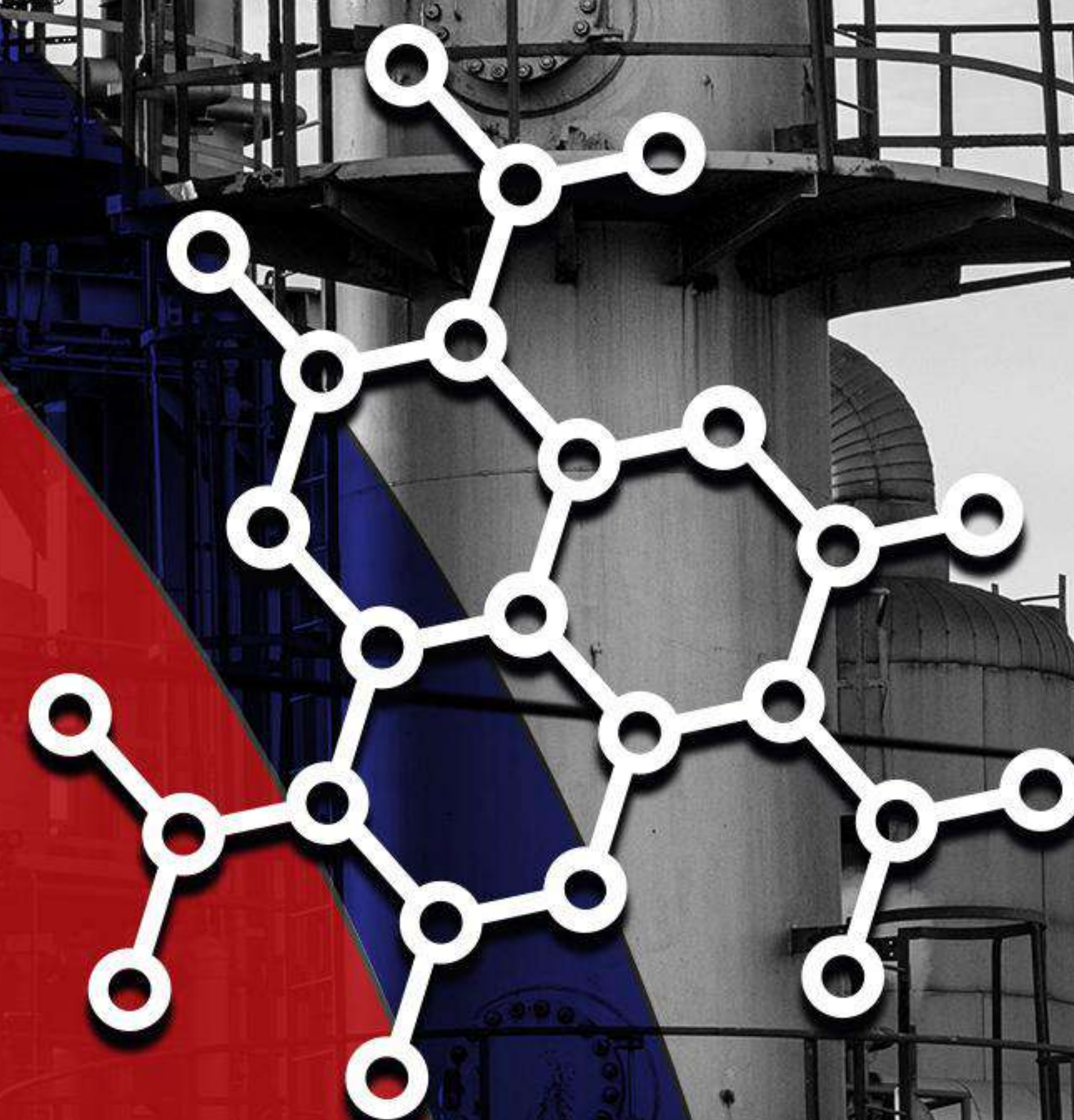




Aerna Chemical
leading in Oil, Gas & Petrochemical
Import & Export

CHEMICAL TRADING SERVICES



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APG at a glance:

With a professional sales and commercial team, we, Arena Chemical Group, are one of the leading Turkish petrochemical trading companies being expertise in the supply of polymer grades through the international market. Having been registered in the major petrochemical complexes and main Iranian holdings, we are honored to offer a vast range of polymer grades to different markets including but not limited to Turkey, CIS, Russia, Europe, GCC and etc. With the respect of long term business in the market of polymer and petrochemical products, our technical and professional team empowers us to provide supply services to our customers in a very global scale so they can experience the high quality services.





Mission & Vision

To provide the best services to our customers, we are in position to:

- Supply Petrochemical grades directly from the manufactured petrochemical complexes with engineered sale process. Being registered in many petrochemical companies, we are able to attend the tenders and make safe purchase on behalf of the customers.
- Produce compound polymer and engineered polymers.
- Arrange logistics and engineered transportation services to our customers from the plant to their final destination. Considering the most economical way for our customer, our skilled and experienced logistics team enables us to offer the best delivery to our customers. Our offices and representatives in different cities and countries enable us to offer mixed logistics as well.
- With all our facilities and partners outside Iran, our customer can experience a very swift and safe way of payment for every single order they have from us. We are able to get the payments in many countries like UAE, Turkey, China, Canada and etc in different currencies.



EXPORT & IMPORT

We possess the global strength to both sell and purchase a wide variety of raw materials and equipment for different industries by having affiliated offices in different countries. Our expert trading teams have many experience sourcing products from a variety of domestic producers and manufacturers and finding the lowest prices. Our activities have been mainly in the following fields:

- Chemicals
- Polymers
- Petroleum products
- Fertilizers





Methanol

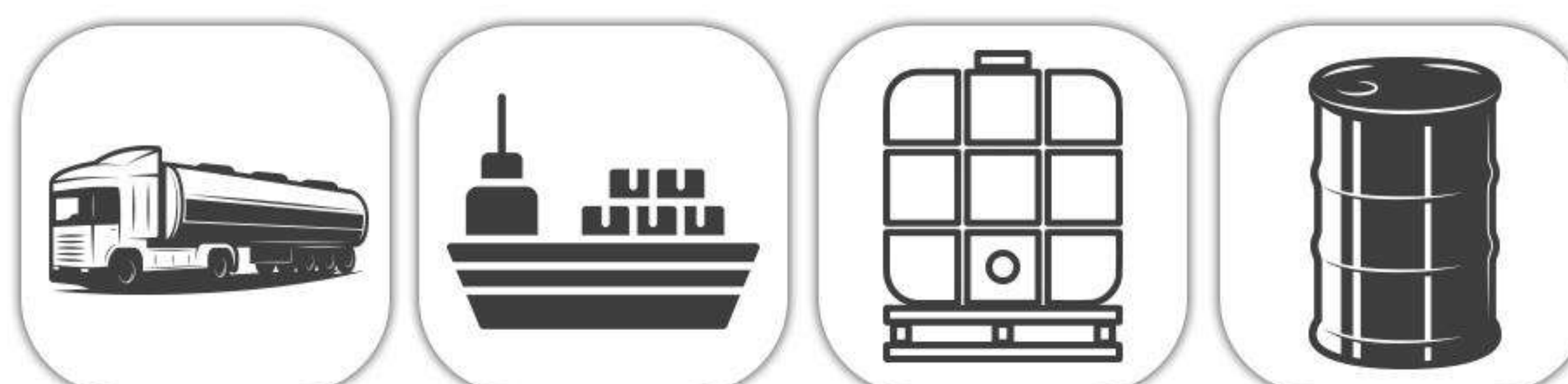
Chemical Formula: CH_3OH

Physical Characteristics: liquid-Clear and free of suspended matter

Grade	Purity(wt%)	SP.GR@20/20
Methanol 98%	Min 98 - Max 99.85	Max 0.795

Packing:

- Bulk
- Drum(220 Litr)



Application:

- MDF and plywood industry
- Melamine resin production
- MTO
- Acetic acid
- MTBE & TAME & PMAA
- Fuel Applications
- Biodiesel
- Formaldehyde
- Methyl Methacrylate
- Producing ethylene and propylene





ETHANOL

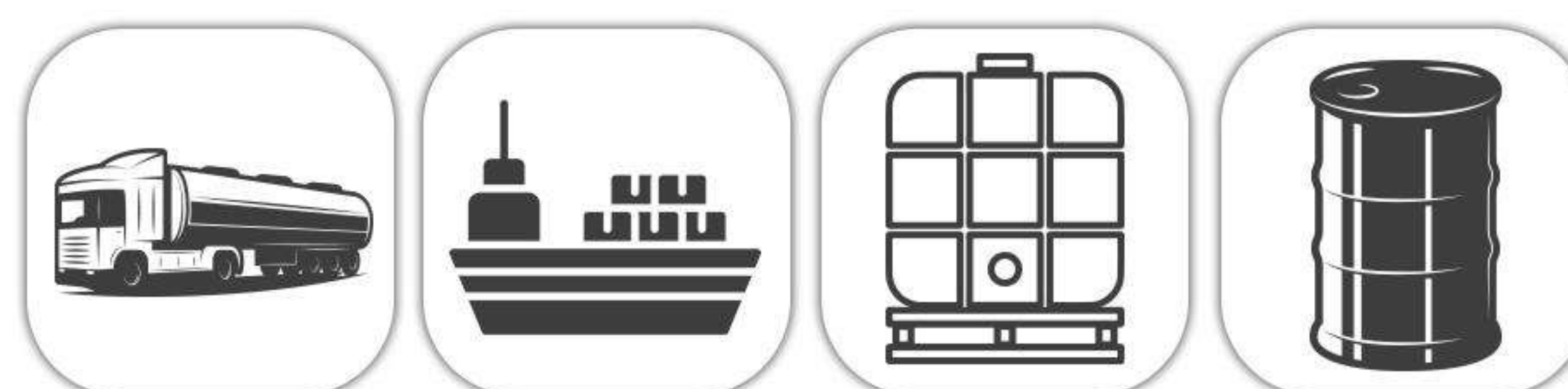
Chemical Formula: C_2H_5OH

Physical Characteristics: liquid- Colorless and Clear

Grade	Purity	Density in air.@20°C
Industrial 92%	92.3% v/v	0.8213 g/ml
Industrial 70%	70% v/v	0.8855 g/ml
Medical 96%	96.1 % v/v	0.8062 g/ml

Packing:

- Bulk
- Drum(220 Litr)



Application:

- Printing ink production
- Production of ethyl acetate
- Ethyl glycol production
- Production of acetic acid
- Drug production
- Printing ink production





MEA(Mono ethanol amine)

Chemical Formula: C_2H_7NO

Physical Characteristics: liquid

Grade	Purity (WT.%)	SP.GR(20/20°C)
MEA	99 MIN.	10 MAX.

Packing:

- Bulk
- Drum(Plastic Drum,220 kg)



Application:

- Detergents
- Agrochemicals
- Treatment of gases
- Detergents
- Hygiene and personal care
- Lubricant oils
- Flotation of minerals
- Pharmaceutical products
- Dispersing agents for glues,...





DEA(DE Ethanol Amine)

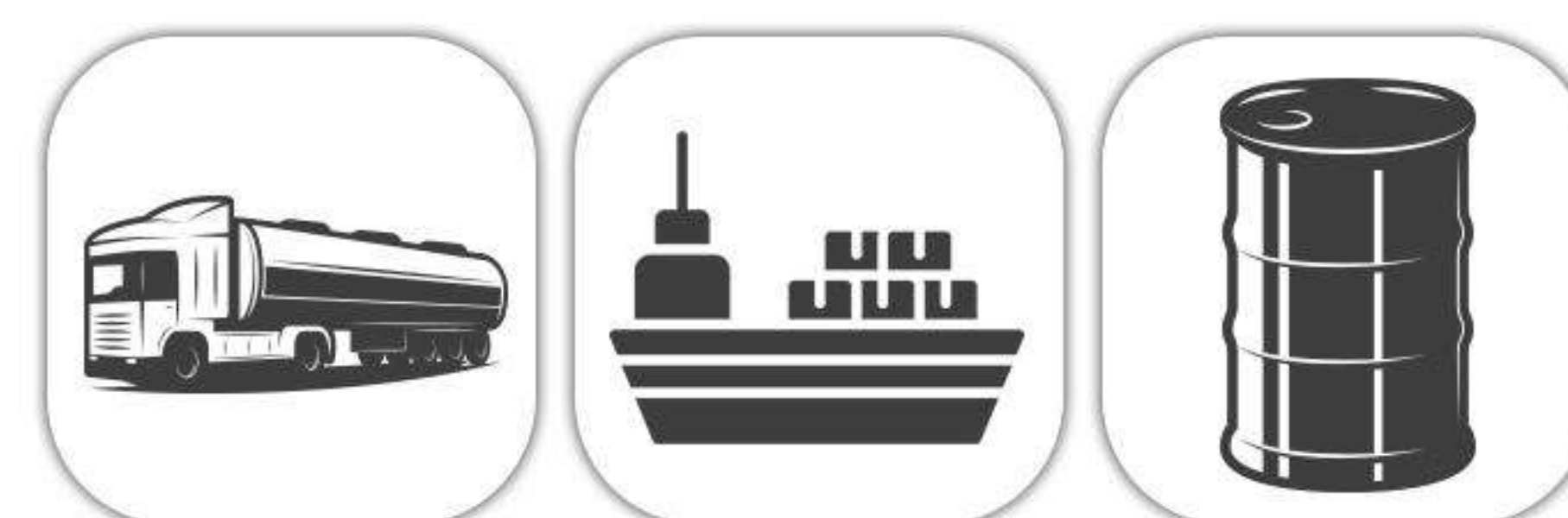
Chemical Formula: $C_4H_{11}NO_2$

Physical Characteristics: liquid

Grade	Purity (WT.%)	SP.GR(20/20°C)
DEA	98.5 Min	1.09 - 1.094

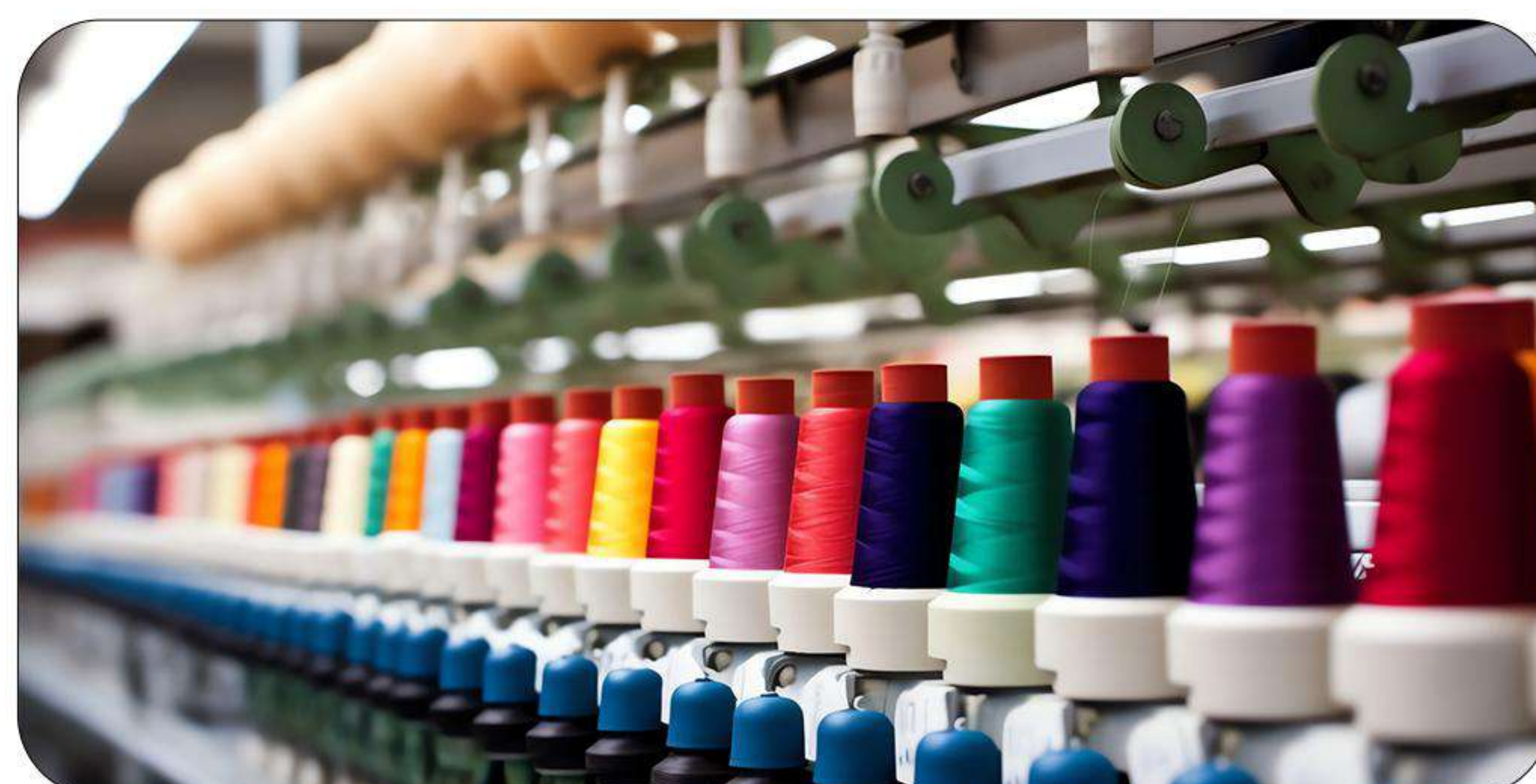
Packing:

- Bulk
- Drum(Metal Drum 220kg)



Application:

- Detergents
- Cosmetics
- Shampoos and hair conditioners
- Of lubricants in the textile industry
- Industrial gas purification
- Preparations of agricultural chemicals
- Metalworking
- Solvents





TEA(TRI ETHANOL AMINE)

Chemical Formula: $C_6H_{15}NO_3$

Physical Characteristics: liquid

Grade	Purity (WT.%)	SP.GR(20/20°C)
TEA 85%	85 MIN	1.122-1.130
TEA 99%	99 MIN	1.122-1.127

Packing:

- Bulk
- Drum(Plastic Drum,220 kg)



Application:

- Material
- Polyurethanes
- Anti corrosion ferrous
- Cement industries
- Textile industries
- Acid gas removal





BENZENE

Chemical Formula: C_6H_6

Physical Characteristics: liquid- Clear, free of haze/sediment

Grade	Purity(wt%)	Density at 15.6°C
Benzene	Min 99.90	0.882 - 0.886 gr/cm3

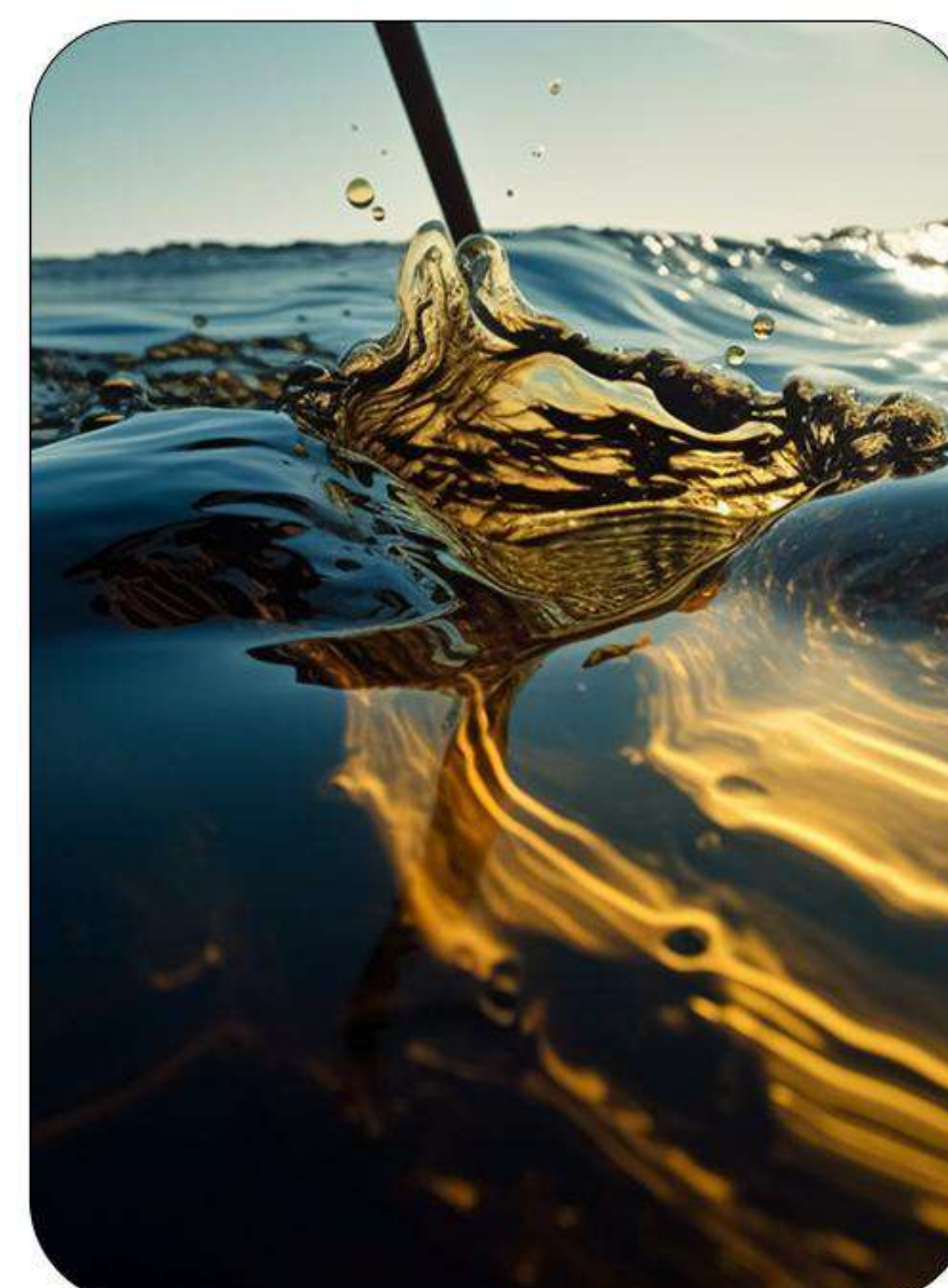
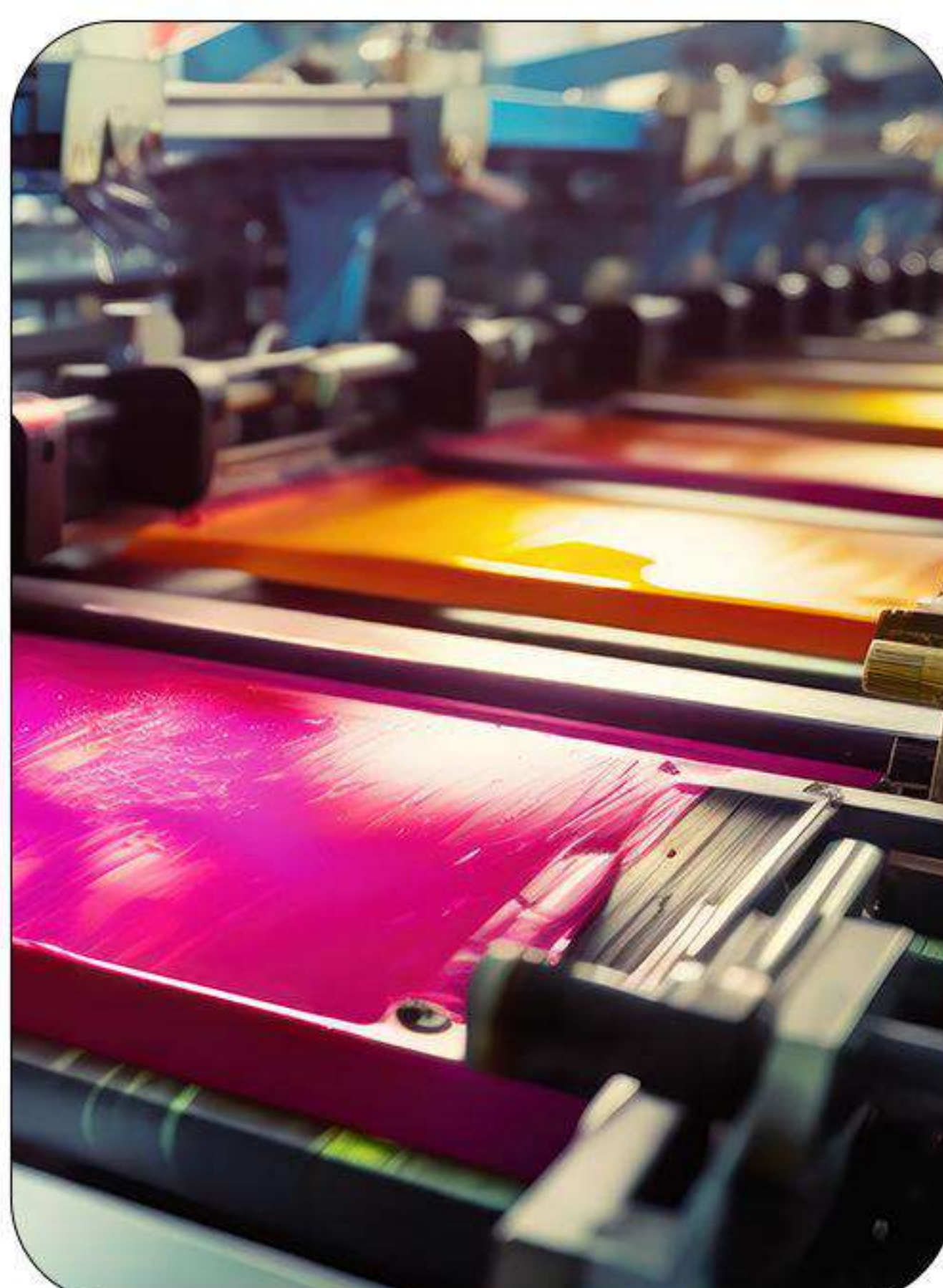
Packing:

- Bulk
- Drum



Application:

- Fuel • Solvent • Waxes • Resins • Oils • Inks • Paints • Plastics • Rubber • Deter
- Gents • Explosives • Pharmaceuticals • Dyestuffs • Lubricant • Chemical industry





MIXEDXYLENE

Chemical Formula: $C_6H_4(CH_3)_2$

Physical Characteristics: liquid - Clear liquid free of sedimentation

Grade	Specific Gravity at 15.56/15.56°C
MIXEDXYLENE	0.865 - 0.877 gr/cm3

Packing:

- Bulk
- Drum



Application:

- Solvent For Paint
- Pesticide
- Raw material of orthoxylene (Phthalic Anhydride)
- Raw material of metaxylene (isophthalic acid)
- Raw material of paraxylene (terephthalic acid)
- Raw material of ethylbenzene (styrene monomer)





PARAXYLEN

Chemical Formula: C_8H_{10}

Physical Characteristics: liquid - Clear liquid free of sedimentation

Grade	Specific Gravity at 15.56/15.56°C	Paraxylene contain(wt%)	Ortho xylene contain(wt%)	Metha xylene contain(wt%)
PARAXYLEN	0.865-0.877GR/cm3	---	---	---
	To be reported	16min	16min	49 max

Packing:

- Bulk
- Drum



Application:

- Production of dimethyl terephthalate DMT
- Production of terephthalic acid PTA
- Vitamins
- Medicinal compounds
- Pesticides





ORTHOXYLEN:

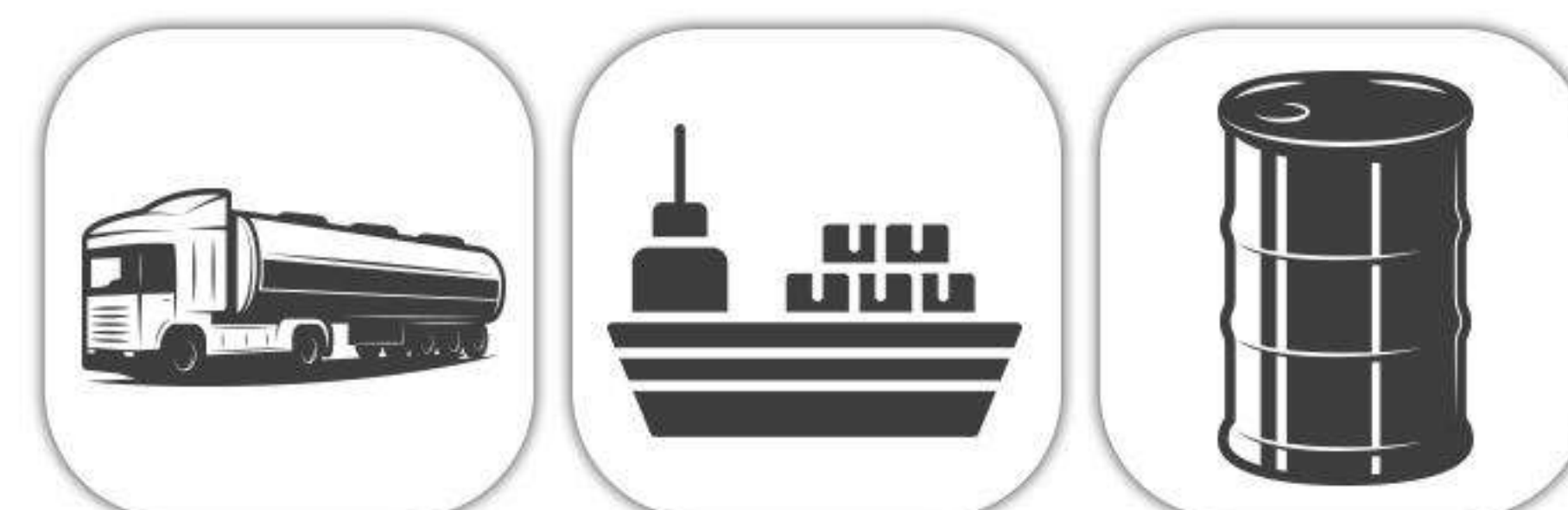
Chemical Formula: $C_6H_4(CH_3)_2$

Physical Characteristics: liquid- Colorless liquid

Grade	Purity(WT%)	Specific Gravity at 15.56/15.56°C
ORTHOXYEN	98 Min	0.88 - 0.89

Packing:

- Bulk
- Drum



Application:

Production Of Phthalic Anhydride PA, Production Of Dioctyl Phthalate DOP Colors ,.....





MDI(METHYLENE DIPHENYL DI ISOCYANATE)

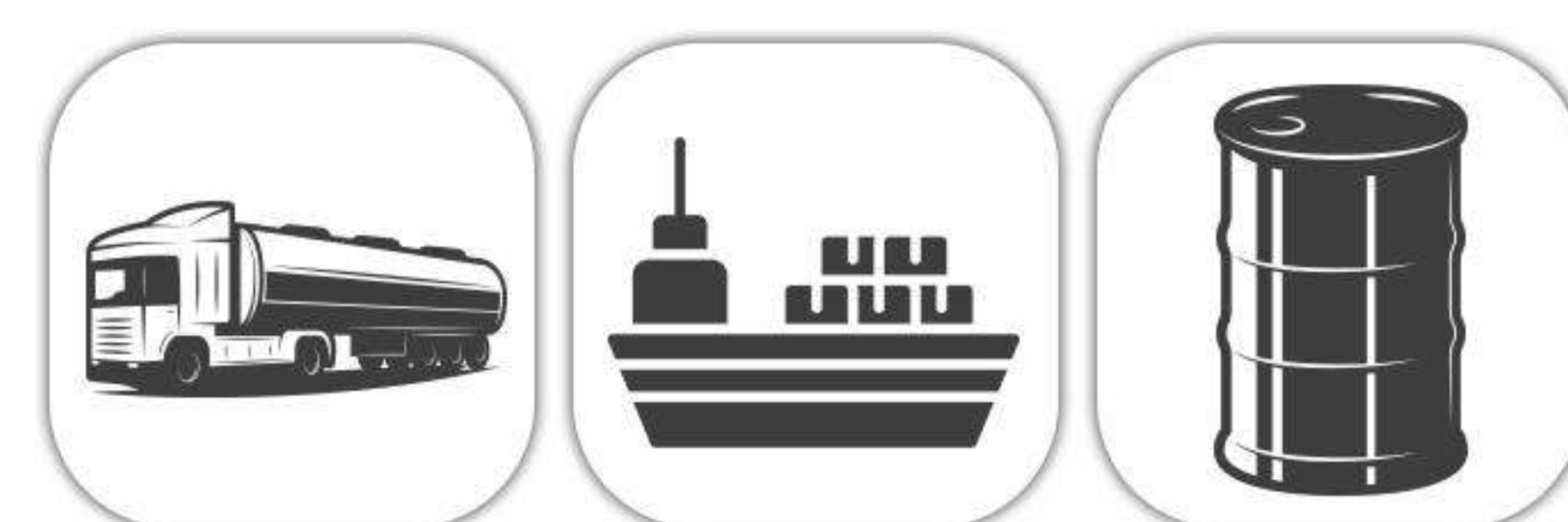
Chemical Formula: $C_{15}H_{10}N_2O_2$

Physical Characteristics: liquid- Dark Brown Liquid

Grade	Viscosity at 25(°C)	Specific Gravity at 25(°C)
MDI	150 -300	12-125

Packing:

- Bulk
- Drum(Steel Drum,220 liter)



Application:

- Flexible foams
- Foamed-in-place
- Polyurethane coatings
- Elastomers
- Rigid foams
- Urethane sealants
- Production of roller blade wheels,....





TDI (TOLUEN DI ISOCYANATE)

Chemical Formula: $C_9H_6N_2O_2$

Physical Characteristics: liquid-Colorless liquid

Grade	Purity	Sp.gr @ 25°C
TDI	Min. 99.5	1.22 ± 0.

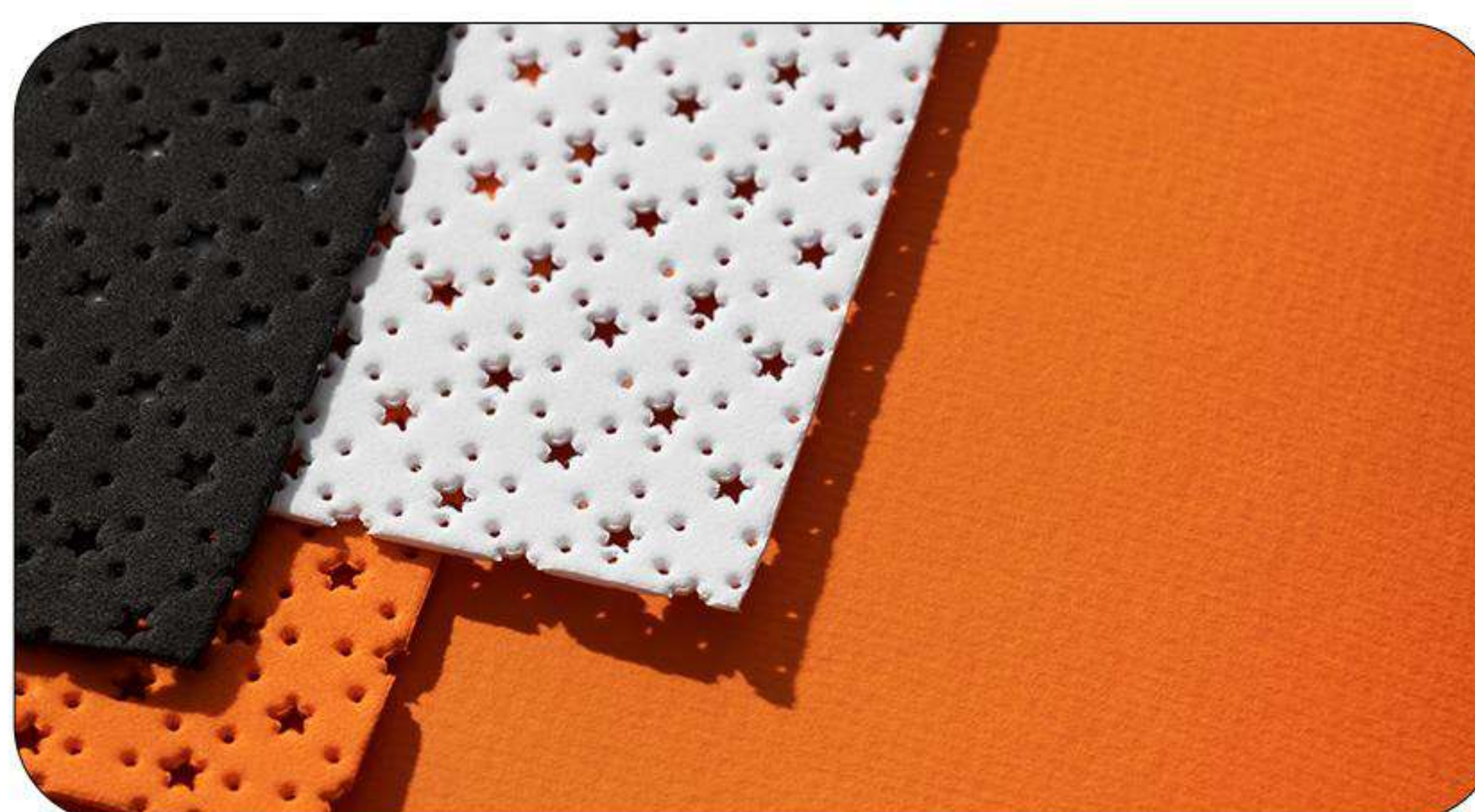
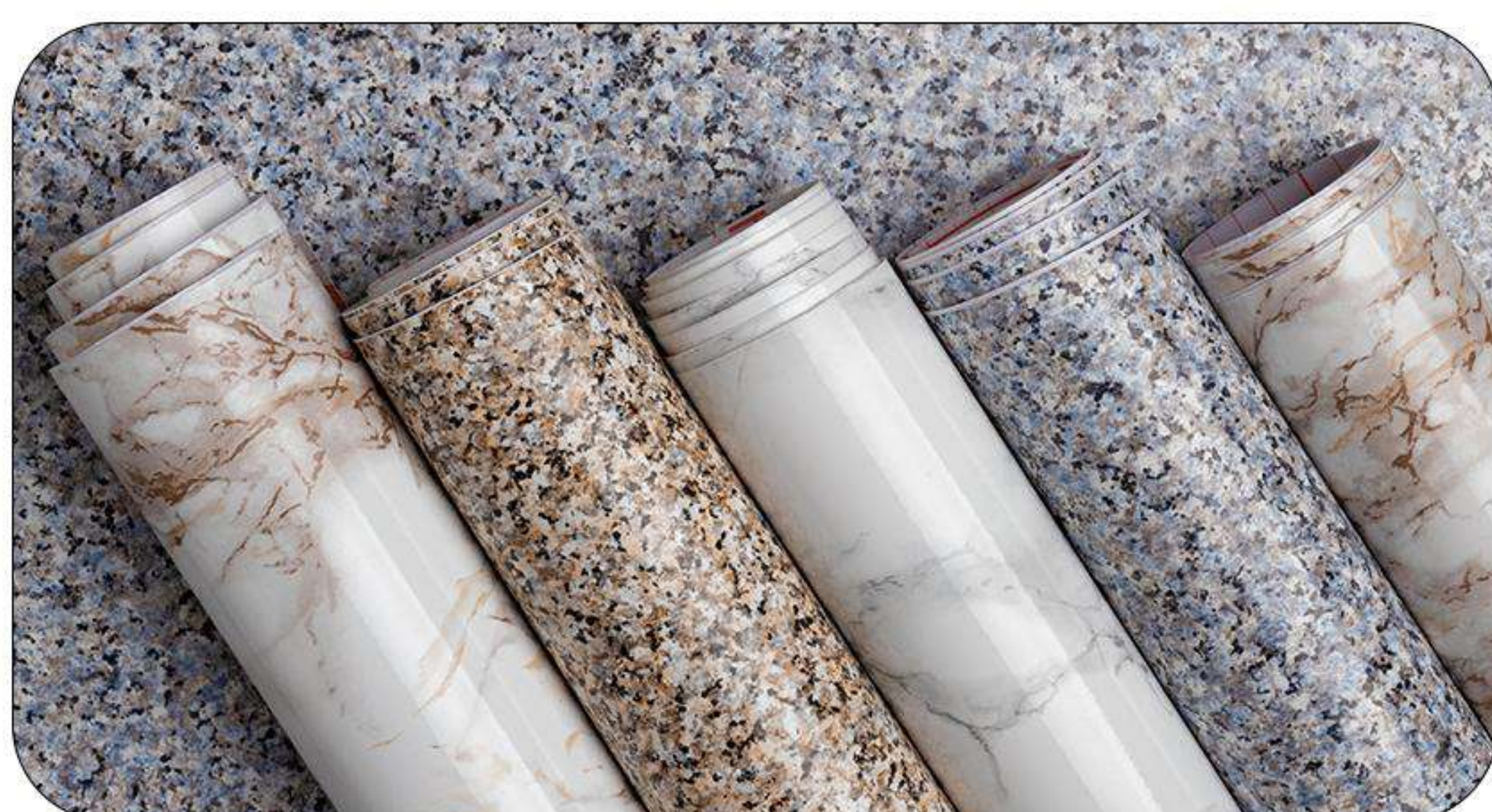
Packing:

- Bulk
- Drum (Steel Drum, 220 liter)



Application:

- Flexible foams
- Foamed-in-place polyurethane plastics
- Polyurethane coatings
- Elastomers
- Rigid pour-in-place foams
- Urethane sealants
- Cast elastomers





CALCIUM HYPOCHLORITE

Chemical Formula: $CA(CLO)_2$
Physical Characteristics: Solid- White granules

Grade	Active chlorine	Solubility as Active Chlorine(%w/w)
CALCIUM HYPOCHLORITE 65-70% (Industrial & water disinfection)	Min 65%	Min 49
CALCIUM HYPOCHLORITE 60% (Industrial & water disinfection)	Min 57%	Min 50

Packing:

- Containers(25 kg, 45 kg)



Application:

- An antibacterial in drinking water
- Disinfectant in swimming pools
- Whitening agent in cloths & pulps,....





SODIUM HYPOCHLORITE

Chemical Formula: $\text{CA}(\text{CLO})_2$

Physical Characteristics: Solid- White granules

Grade	Active chlorine	Alkalinty as NaOH
Sodium hypochlorite (industrial & WATER DISINFECTION)	14	1
Sodium hypochlorite	12-18	Min 0.9
Sodium hypochlorite WATER DISINFECTION	15-16	Max 1.2
Sodium hypochlorite (Industrial)	15-16	Min 0.5

Packing:

- Bulk
- IBC
- Drum(Plastic Drum 220 Litr)



Application:

- Drinking water disinfection
- Wastewater treatment
- Paper pulp
- Textile industries
- Household hygienic disinfection
- Hxtraction of gold from its ore





CAUSTIC SODA FLAKE

Chemical Formula: NaOH

Physical Characteristics: Solid -white Flakes

Grade	Purity of Sodium Hydroxide-NaOH	Chloride as NaCl-%w/w
CASTIC SODA FLAKE	98.5±0.5	≤ 0.02

Packing:

- 25 kg bags
- Jumbo bags (1MT)



APPLICATION:

- Petroleum Industry (Petroleum products refining)
- Chemical Industry (dyes, water treatment)
- Pulp and Paper Industries (wood treatment)
- Textile Industry
- Metallurgy Industry (Alumina)
- Soap and Detergent Industry





CAUSTIC SODA LIQUID:

Chemical Formula: NaOH

Physical Characteristics: Liquid - Colorless, clear, sediment - free

Grade	NaOH	Nacl
CAUSTIC SODA LIQUID	48 - 50 %	Max 0.015

Packing:

- Bulk
- IBC



Application:

- Acid neutralizer
- Alkaline cleaners
- Biofuels
- Drain cleaner
- Food processing
- Metal cleaners
- Oil well drilling fluids
- Ore flotation
- Petroleum refining
- Pharmaceuticals
- PH control





CALCIUM CHLORIDE

Chemical Formula: CaCl₂

Physical Characteristics: Solid - White Granulated

Grade	Purity	Total Alkalinity(as NaCl)_%w/w
Calcium Chloride	Min 96	Max 4

Packing:

- 25 kg Bags
- Jumbo Bag(1 MT)



Application:

- In drilling oil wells drills and petrochemical industries
- In making pigments and metal soaps
- It is used in coolants and de-moisture industries
- It is used in producing glycerol
- In concrete industries
- Water Treatment





SLES

Chemical Formula: $\text{CH}_3-(\text{CH}_2)_n-(\text{OCH}_2)_m-\text{OSO}_3\text{-Na}$ $n = 11 - 13$, $m = 2$

Physical Characteristics: Liquid - Light yellow paste

Grade	Active Matter	Sodium sulfate
SLES 70%	70 ± 1	Max 1
	68 - 72	Max 1.5

Packing:

- Drum(210kg PE drum)



Application:

- Gas and Oil Recovery
- Gas Well Dewatering
- Drilling Additives
- Degreasing Agen
- Printing and Dyeing
- Leather Industries
- Shampoos
- Facial Cleansers
- Degreasing Agent
- Gypsum Additives
- Textile Wet Processing





LABSA(Linear Alkylbenzene Sulfonic Acid)

Chemical Formula: $R-C_6H_5-OSO_3H$ ($R = C_{10} - C_{13}$)

Physical Characteristics: Liquid - Dark brown liquid

Grade	Active Matter	Sulfuric Acid
Labsa 97%	MIN 96%	Max 1.8%

Packing:

- Drum(220 kg PE drum)



APPLICATION:

- Car/truck wash
- Emulsion breaker for oil fields
- Dishwashing liquids
- Hard surface care
- Heavy duty cleaning
- Latex manufacture
- Textile scouring,...
- Oil dispersants





DI ETHYLENE GLYCOL (DEG)

Chemical Formula: $C_4H_{10}O_3$

Physical Characteristics: Liquid - Colourless, transparent

Grade	Purity	Specific Gravity.20/20°C
DEG	99.8 wt% Min	1.1175-1.1195

Packing:

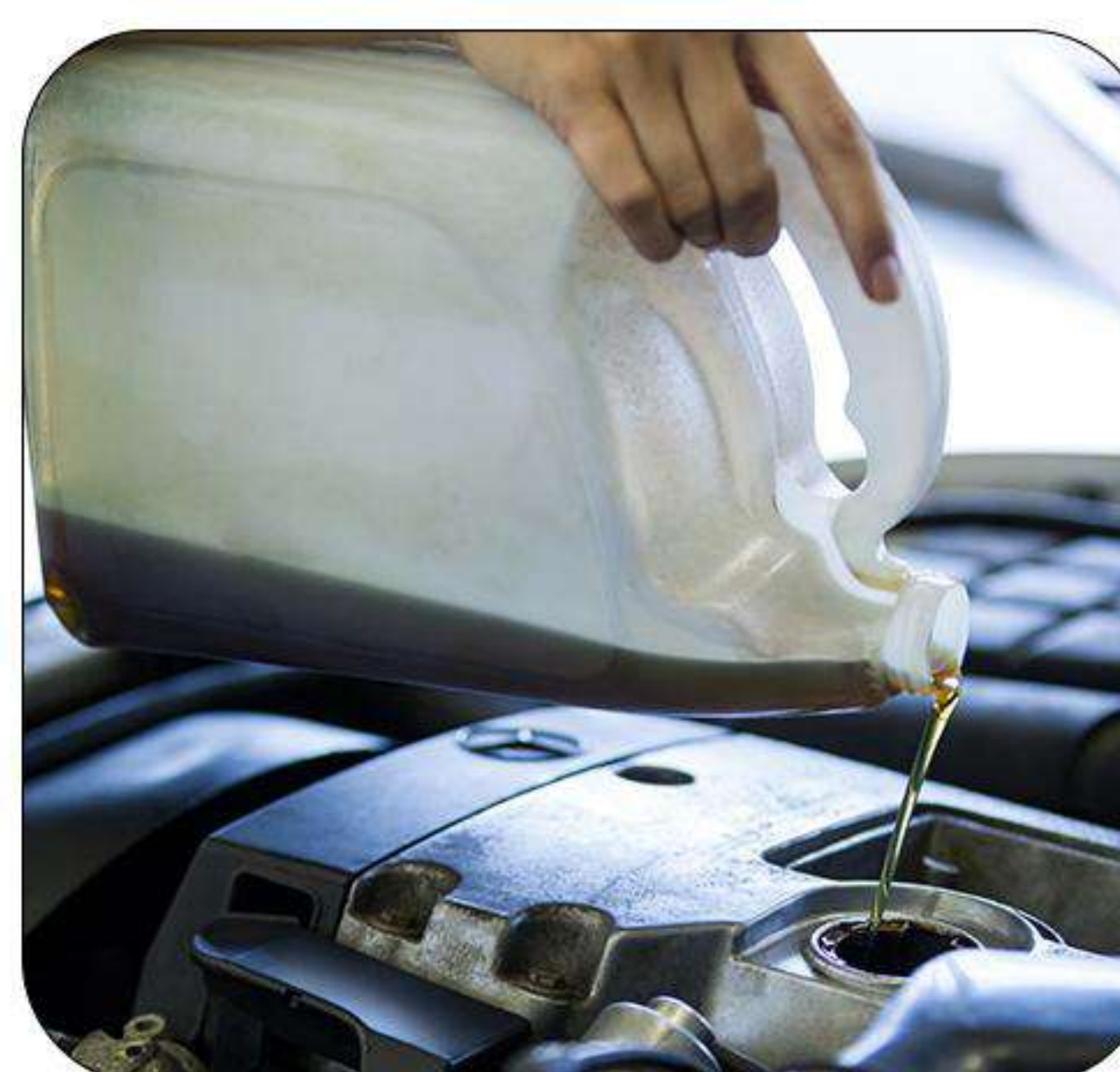
- Bulk
- Drum(220 kg PE drum)
- IBC



Applications:

- Rubber
- Tire rubber solvent oil
- Solvent oil used in paints
- Paint thinner
- Cleaning and degreasing machine tools
- Ingredient fuel/oil additive

- Plastic shoes
- Washing solvents
- Coatings paint





MONO ETHYLENE GLYCOL (MEG)

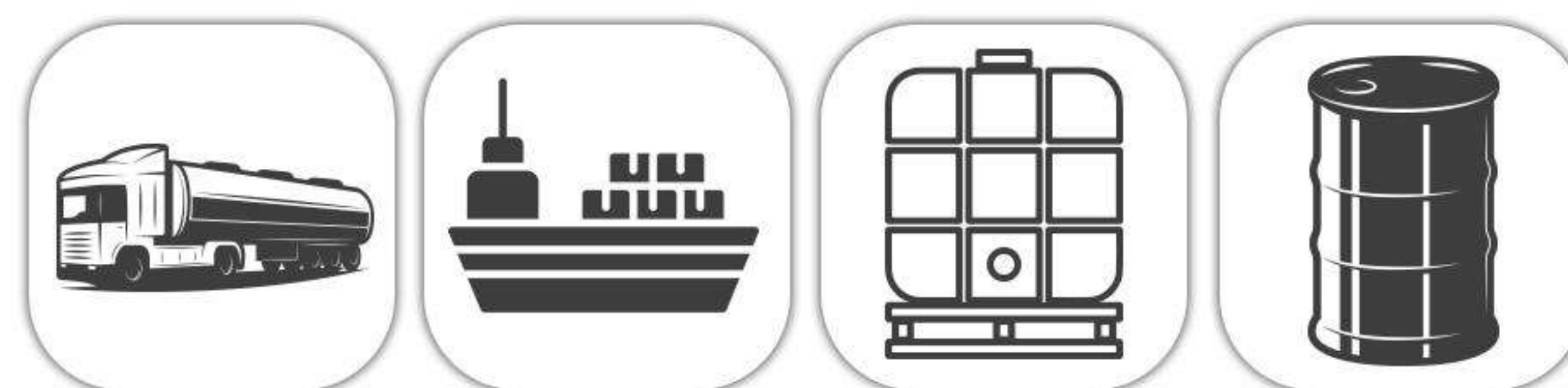
Chemical Formula: $C_2H_6O_2$

Physical Characteristics: Liquid - Colourless, transparent

Grade	Purity	Specific Gravity.20/20°C
MEG	99.8 wt% min	1.1151-1.1156

Packing:

- Bulk
- Drum(220 kg PE drum)
- IBC



Application:

- Polyester
- Resins
- Cellophane
- Printing ink
- Leather
- Cosmetics
- Coolant additives
- Glues
- And adhesives
- Textiles
- Paper
- Pharmaceutical products





TRI ETHYLENE GLYCOL (TEG)

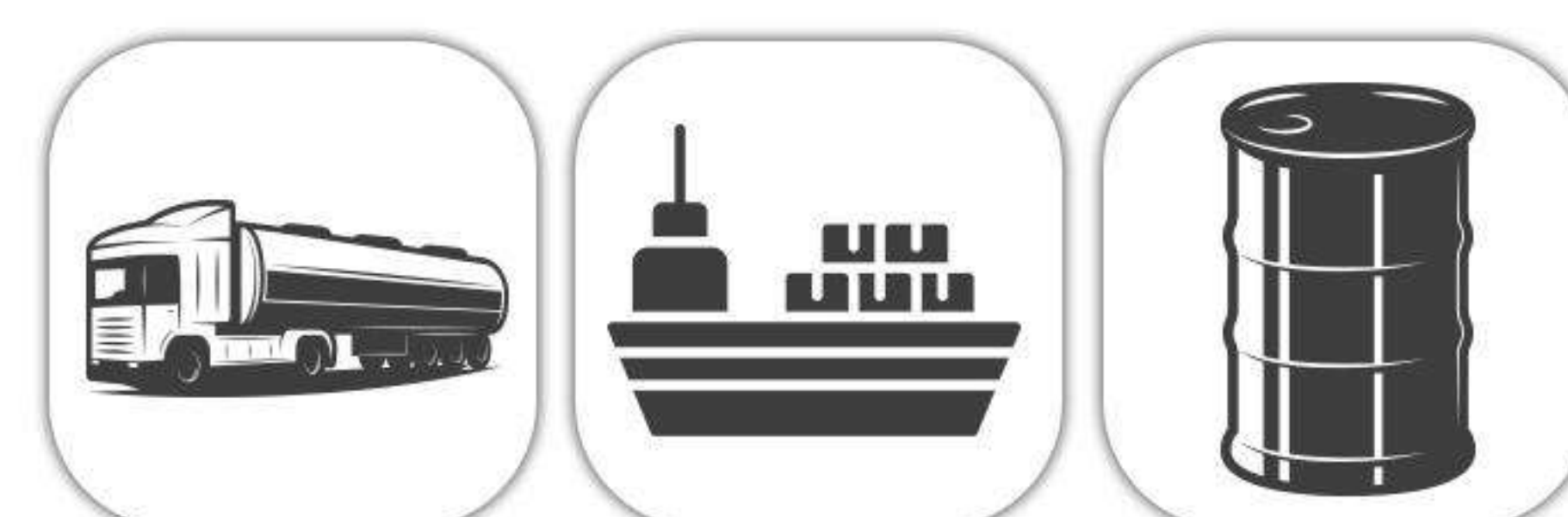
Chemical Formula: $C_6H_{14}O_4$

Physical Characteristics: Liquid - Colourless, transparent

Grade	Purity (wt %)	Specific gravity (20/20°C)
TEG	97 - 99.82 %	1.124-1.126

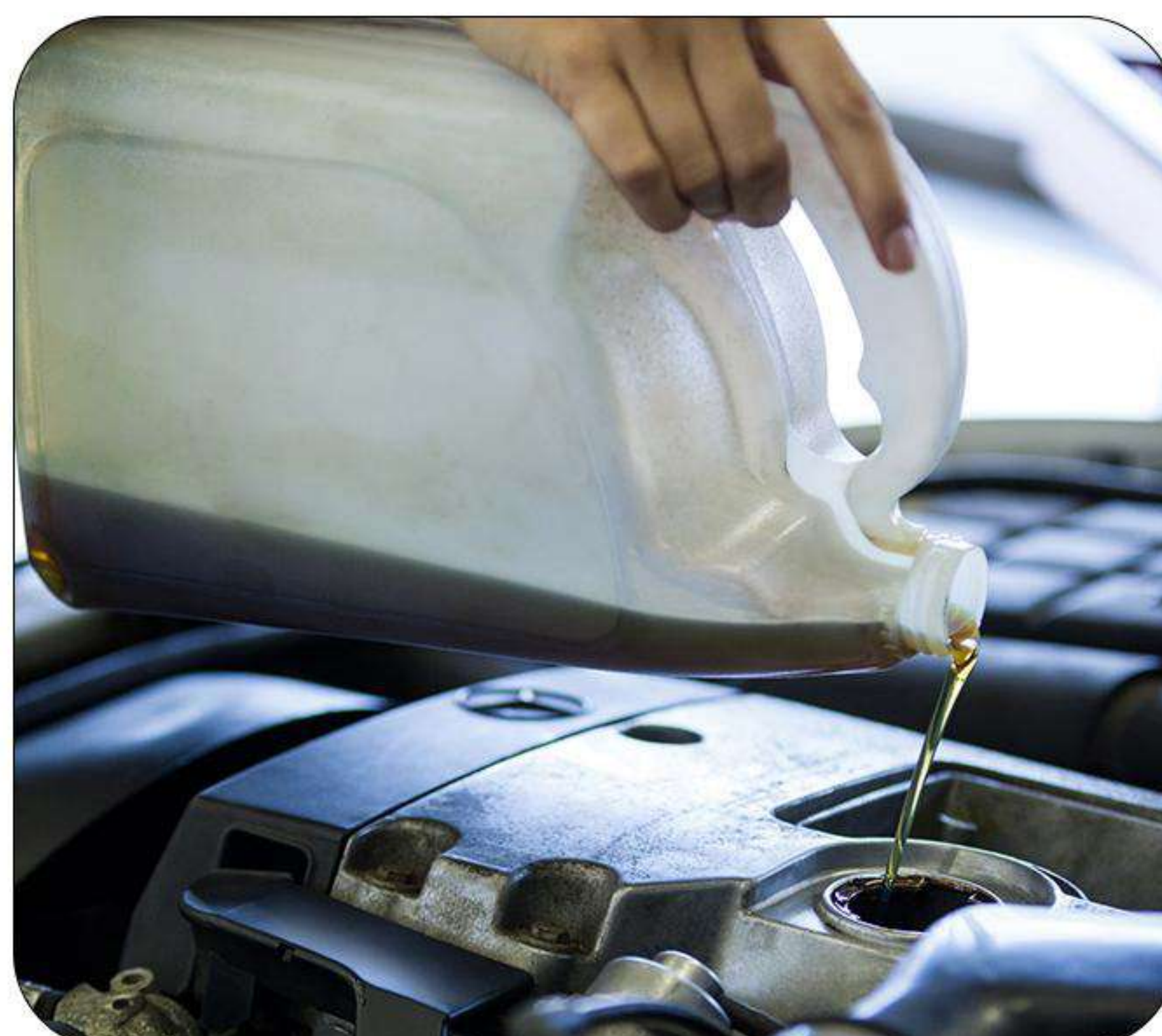
Packing:

- Bulk
- Drum(220 kg Steel drum)



Application:

- Alkyd resins
- Fatty acids (oleic, stearic, lauric, etc.)
- Emulsifiers and plasticizers of polymers
- Solvent in brake fluid formulations
- Fire-resistant hydraulic fluids
- Surface polishers
- Printing ink
- Treatment of gas
- Cutting oils
- Agrochemicals
- The extraction of solvents....





POLYETHYLENE GLYCOL(PEG 400.4000....)

PEG 400

Chemical Formula: $C_2nH_{4n+2}O_{n+1}$, $n = 8.2$ to 9.1

Physical Characteristics: Liquid – Colourless

PEG 4000

Chemical Formula: $H(OCH_2CH_2)_nOH$

Physical Characteristics: Liquid – Colourless

Grade	Viscosity at 98.9C,cst	PH,5% Solution in water
PEG 400 Industrial	6.8-8.0	4.5 - 7.5
PEG 400 Pharmaceutical	6.8-8.0	4.5 - 7.5
PEG 4000 Industrial	110 -158	4.5 - 7.5
PEG 4000 Pharmaceutical	110 -158	4.5 - 7.5

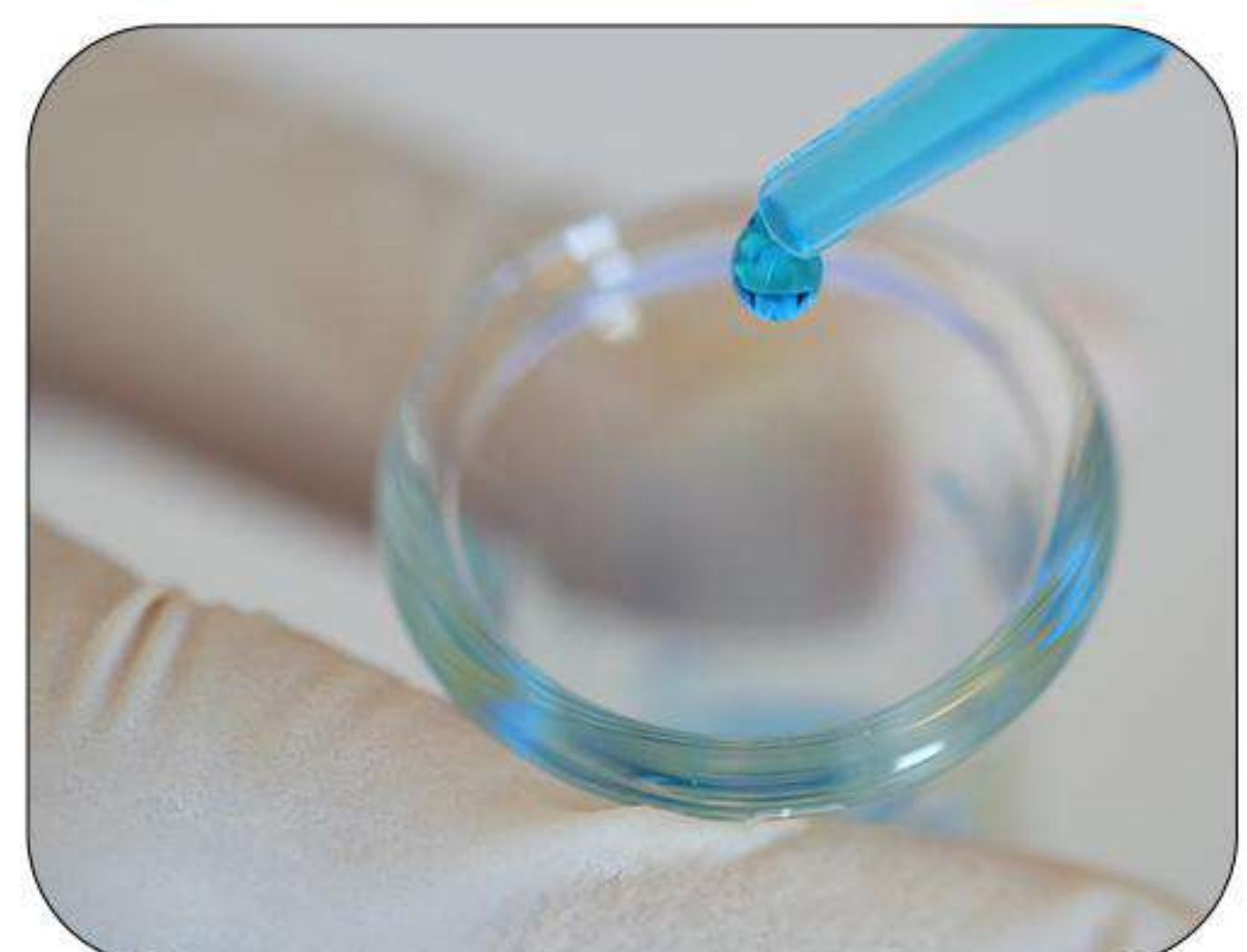
Packing:

- Drum(220 kg PE drum)



Application:

- As solvent
- Lubricant
- Gelatine capsule
- Liquid oral medications
- Insecticides
- Printing and inks
- Water soluble
- Ointment
- Paints & Coating
- Agriculture
- Paper
- Tablet coating





PROPYLENE GLYCOL (Mpg pharmaceutical, Mpg industrial)

Chemical Formula: $C_3H_8O_2$

Physical Characteristics: Liquid – odorless and colorless clear oily liquid

Grade	SP. GR.(25°C)	Purity(on dry basis)(wt.%)
MPG INDUSTRIAL	1.035-1.037	MIN 99
MPG PHARMACEUTICAL	1.035-1.037	MIN 99.5

Packing:

- Drum(220 kg PE drum)



Application:

- Cosmetics
- Personal care products
- Coupling agent
- Oral care (mouth washers, toothpastes)
- Skin care (creams, lotions and oils)
- Deodorants and anti-perspirants (roll & stick)
- Shaving (creams, foams, gels, after shaves)
- Bath and shower soaps
- Gels and moisturizers
- Solvent
- Bakery goods
- Pet food
- Food flavorings
- Cleaners and disinfectants
- Body care (wipers, antiseptics)





ETHYL ACETATE(99%)

Chemical Formula: $C_4H_8O_2$

Physical Characteristics: Liquid–Clear & Bright

Grade	Purity(wt.%)	Density@20(gr/cm ³)°C
ETHY ACETATE(99%)	Min 99.5	0.897-0.903

Packing:

- Bulk
- Drum(Steel Drum 180 kg, PE Drum 160 kg)



Application:

- Cleaning agents
- Chemicals
- Nitrocellulose
- Cellulose acetate
- Greases
- Resins
- Perfumes
- Synthetic leathers





METHYL ACETATE(85%-99%)

Chemical Formula: $C_3H_6O_2$

Physical Characteristics: Liquid–Clear & Bright

Grade	Purity(wt.%)	Density@20(gr/cm ³)°C
METHYL ACETATE(85%)	Min 85	0.900 - 0.920
METHYL ACETATE(99%)	Min 99	0.905 - 0.935

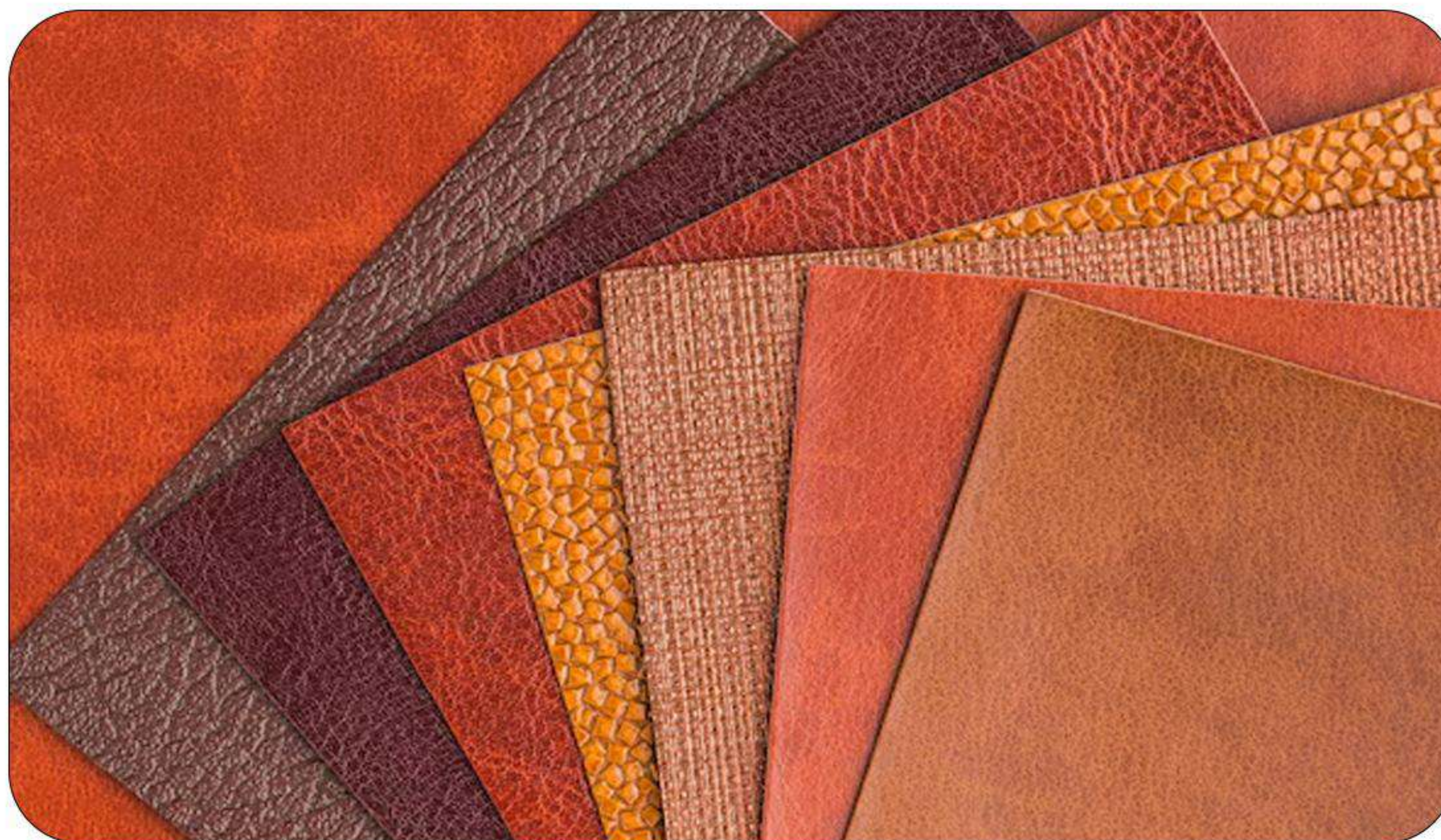
Packing:

- Bulk
- Drum(Steel Drum 180 kg, PE Drum 160 kg)



Application:

- Cleaning agents
- Metal working fluids or binders
- Nitrocellulose
- Synthetic leathers
- Chemicals
- Resins
- Cellulose acetate
- Perfumes





VAM

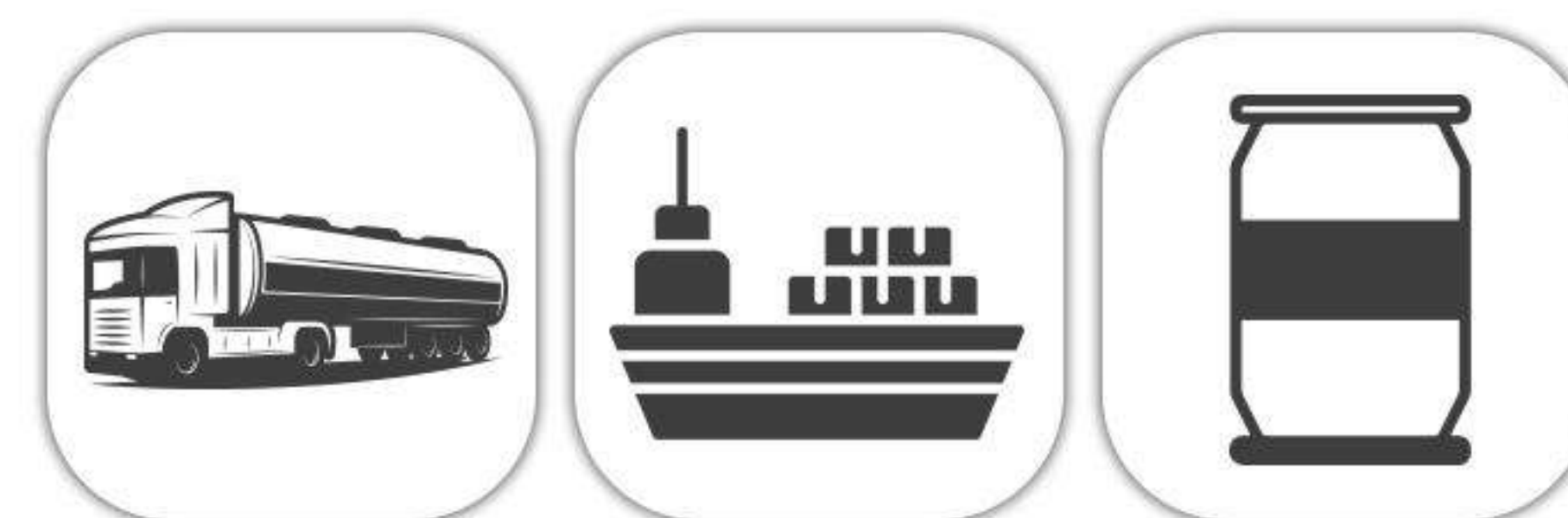
Chemical Formula: $C_4H_6O_2$

Physical Characteristics: Liquid– colourless

Grade	PURITY(WT.%)	Density@20°C
VAM	99.9 MIN	0.932-0.933

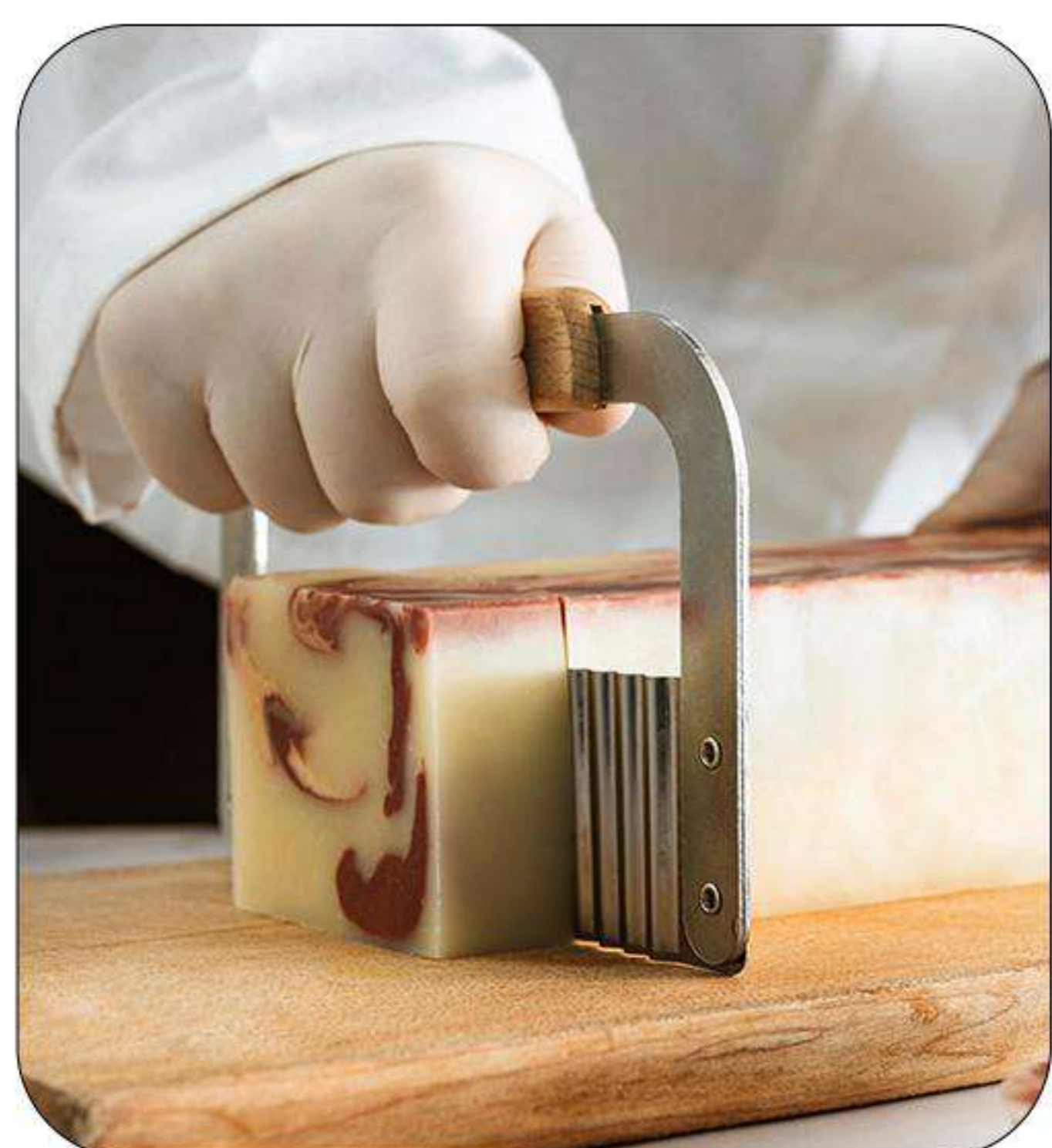
Packing:

- Bulk
- Drum(PE Drum 200 kg)



Application:

- Copolymerization and terpolymerization
- Paints
- Coatings and water-soluble packaging films
- Insulation for magnetic wire
- Safety glass
- Flexible films
- Moldings
- Adhesives
- Coextruded packaging
- Wash primers and coatings
- Insulation





ACETIC ACIDS

Chemical Formula: CH_3COOH

Physical Characteristics: Liquid– Clear

Grade	Purity (WT%)	Density@20°C Kg/lit
ACETIC ACID	Greater than 99.85	1.048-1.051

Packing:

- Bulk
- Drum
- IBC



This product is shipped under the special conditions

Application:

- Vinegar
- Dyestuffs
- Perfumes
- Synthetic fibers
- Textiles
- Pesticides
- Wood glue
- Photographic films, etc.
- Food additive
- Ethyl acetate
- Dyes
- Soft drink bottles
- Inks
- Plastics
- Rubbers
- Solvent
- Acetic acid
- Acetic anhydride
- Purified terephthalic acid
- Butyl acetat





CITRIC ACIDS

Chemical Formula: CH_3COOH

Physical Characteristics: Liquid– Clear

Grade	content	MOISTURE
CITRIC ACID ANHYDROUS	99.5-100.5%	0.5%
CITRIC ACID MONOHYDRATE	99.5-100.5%	7.5-8.8%

Packing:

- 25 kg Bags

Application:

- Food
- Medicine
- Chemical
- Leather
- Cosmetics





SULFURIC ACIDS

Chemical Formula: H_2SO_4

Physical Characteristics: Liquid- Colorless

Grade	Purity(wt.%)	Density(g/mlt)
SULFURIC ACID 98%	Min 98	Min 1.83

Packing:

- Bulk
- IBC



Application:

- Fertilizers
- Pharmaceuticals
- Sugar bleaching
- Water treatment
- Sulfonation agents
- Coloring agents
- Resins
- Paper bleaching
- Gasoline
- Automobile batteries
- Cellulose fibers
- Steel manufacturing
- Amino acid intermediates





HYDROCHLORIC ACID(HCL)

Chemical Formula: HCL

Physical Characteristics: Liquid - Clear

Grade	Purity	Density at 20°C
HCL	29-33	Min 1.15

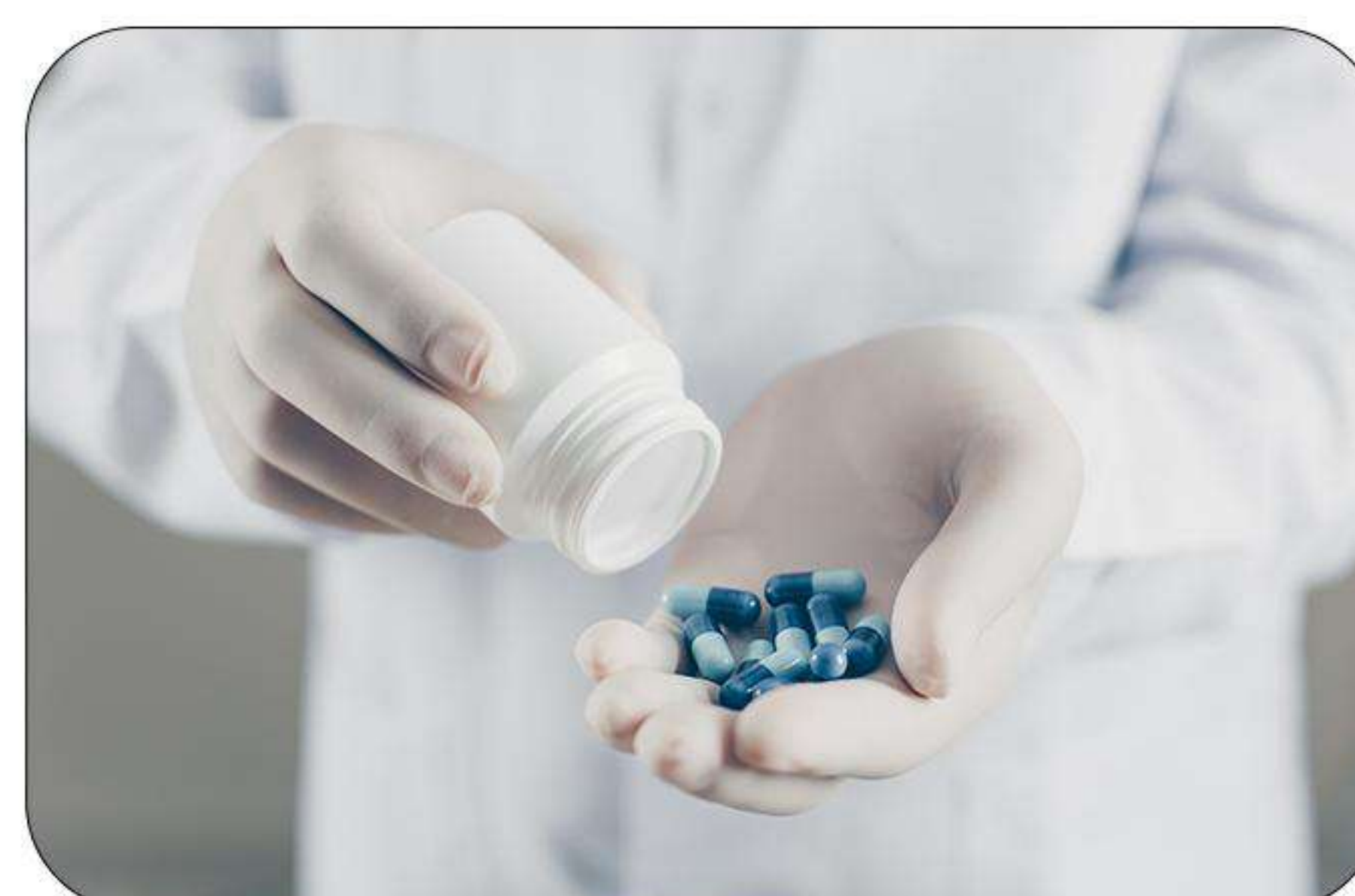
Packing:

- Bulk
- IBC
- Drum (220 Litr)



Application:

- Acidizing of petroleum wells
- Demineralizers and resin regeneration
- Dye manufacturing
- Cleaning products
- Ore reduction
- Gelatin
- Pickling
- Metal surface cleaning
- Synthetic Rubber
- Manufacture of Chemical Intermediates
- Roller blade wheels
- Cast elastomers
- Construction applications
- Urethane sealants
- Plastics and Polymers
- Industrial acidizing
- Food Processing
- Pharmaceuticals
- Water Treatment





SULFUR

Chemical Formula: S8

Physical Characteristics: Solid-Bright yellow

Grade	Purity(on dry basis)	moisture(wt%)
Granular Sulfur	97.1-99.8	0.5-1.62

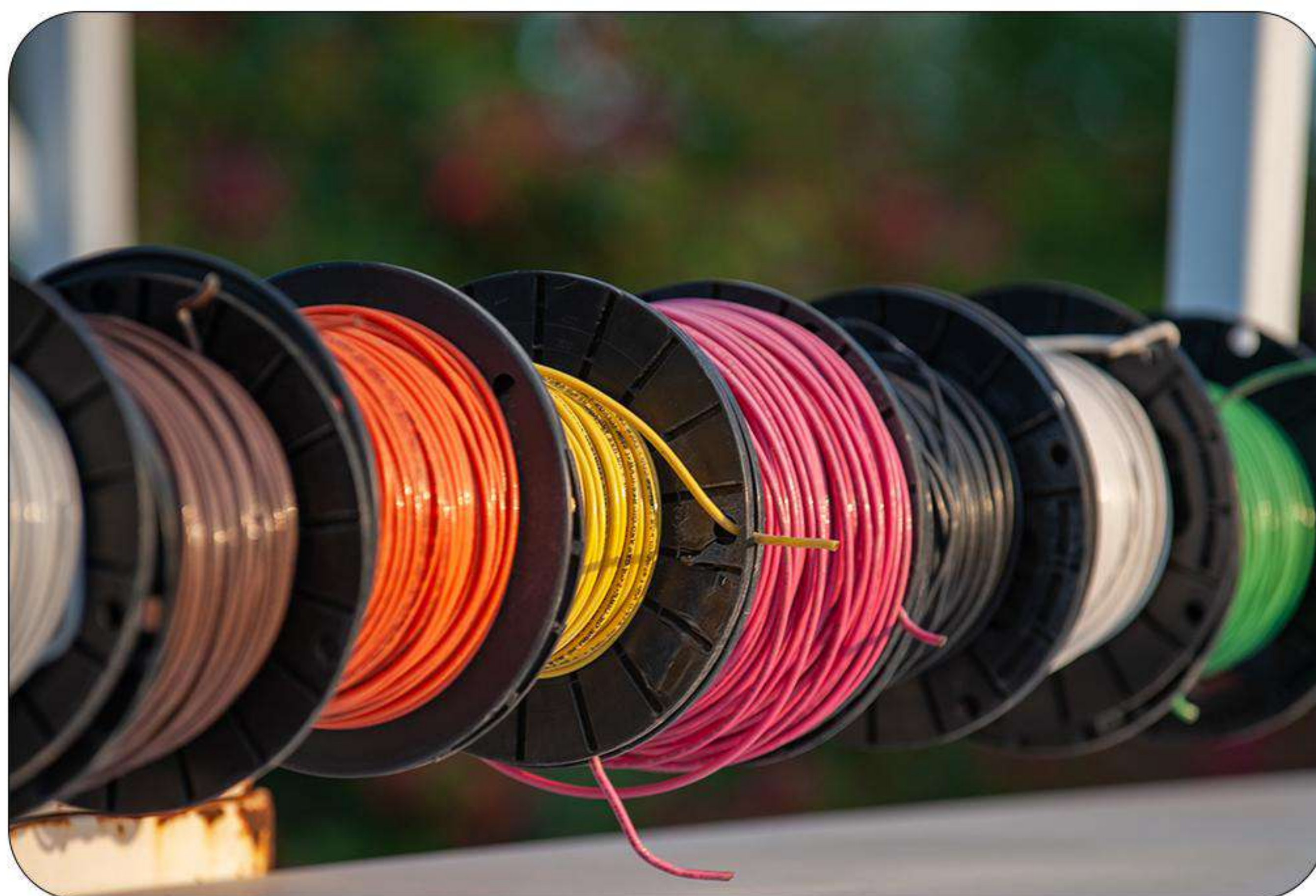
Packing:

- 25 kg Bags
- Jumbo Bag



Application:

- Sulphur compounds
- Sulfuric acid
- Fertilizers
- Tire
- Detergents petroleum refining
- Pharmaceuticals
- Electric insulators
- Gun powder
- Matches





AMMONIUM SULFATE

Chemical Formula: $(\text{NH}_4)_2\text{SO}_4$

Physical Characteristics: Solid- White crystalline (powder/granules)

Grade	Sulfur content %	Solubility in water %
AMMONIUM SULFAT	24%	755 gr/Litr

Packing:

- 50 kg Bags



Application:

- Agriculture
- A spray aid for insecticides
- Fungicides
- Water-soluble herbicides
- Wood industry
- Nylon
- Water
- Leather and tanning industries
- Livestock and poultry farming
- Food industry
- Bread dough
- Fire extinguishing powder
- Wastewater treatment





Urea

Chemical Formula: $\text{CO}(\text{NH}_2)_2$

Physical Characteristics: Solid- White granule

Grade	Nitrogen Content%	Urea Formaldehyde(UF)Agent
Uncoated Prilled Urea	Min. 46	Max. 100
Coated Prilled Urea	Min. 46	Anti-Cake or Formaldehyde Treated

Packing:

- 50 kg Bags
- Jumbo Bag(1 MT)



PRILLED Urea

✓ Uncoated prilled urea:

Application:

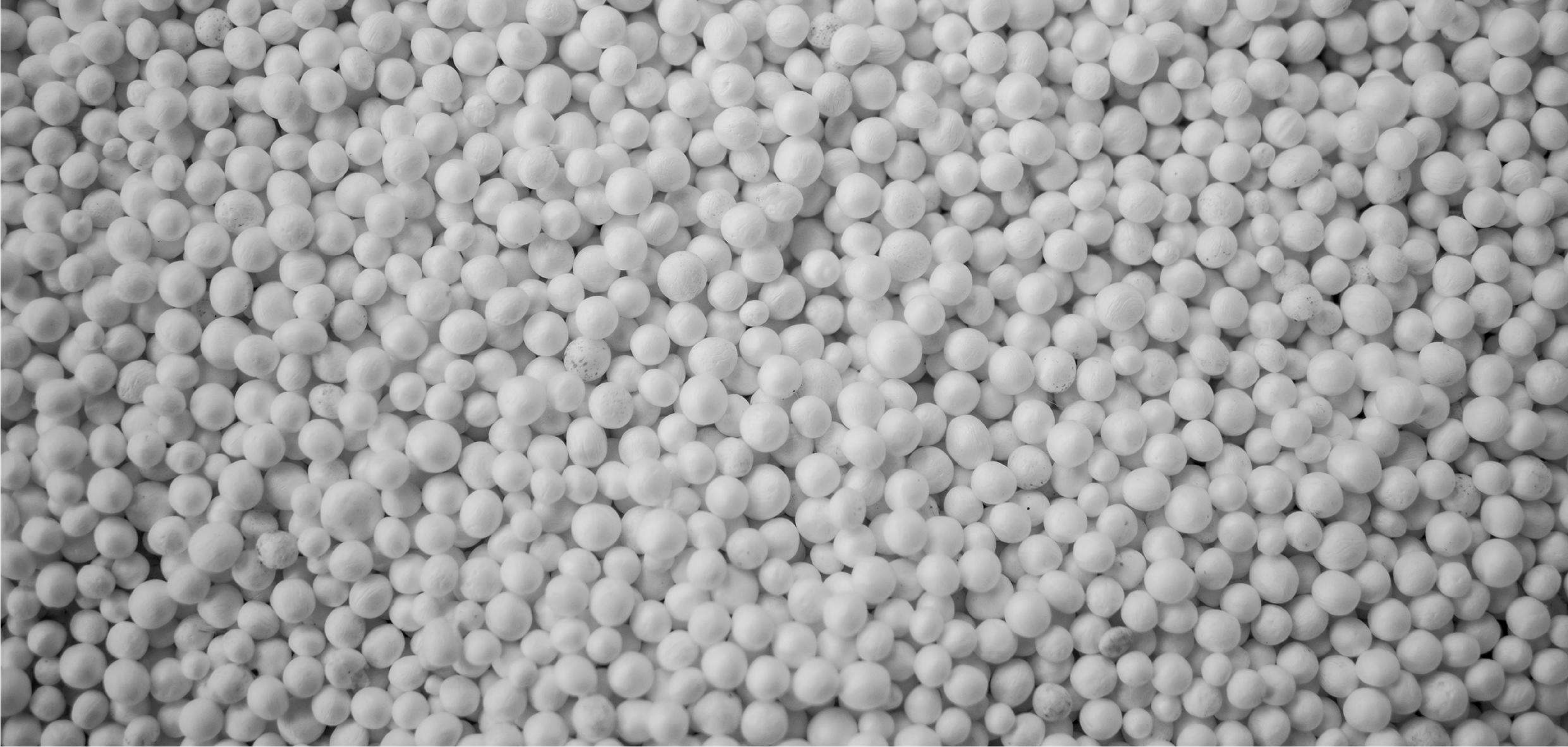
- Fertilizer
- Animal feed additives

✓ Coated prilled urea:

Application:

- medicine
- Plastic
- Rubber
- Water
- Nuclear
- Paints
- Printing Industry
- Explosive
- Lubricants
- Metal
- Industrial
- Paper
- Toothpastes
- Treatment
- Oil Industry
- Textile Industry





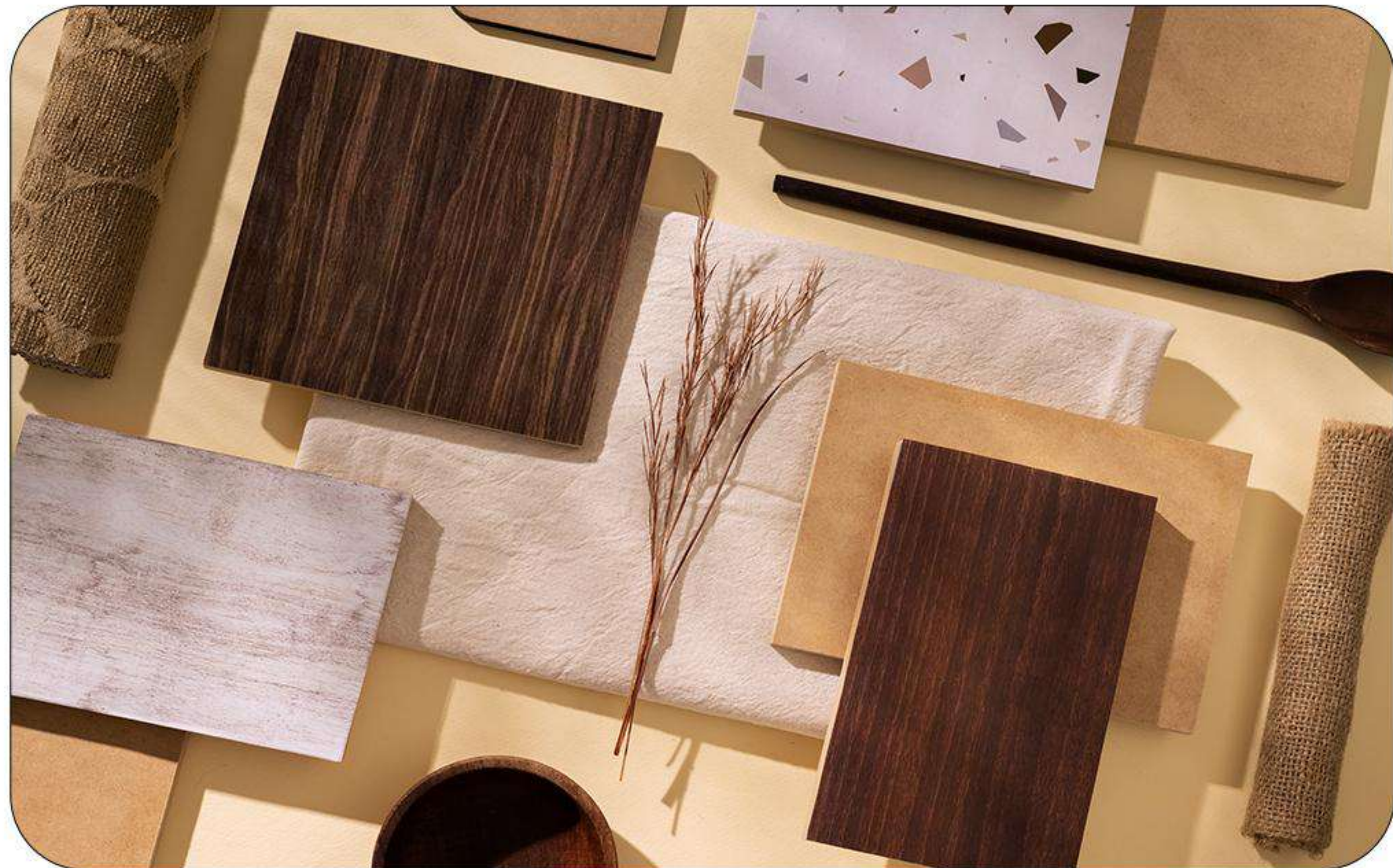
Granular Urea

Grade	Nitrogen Content(WT%)	Formaldehyde
Granular Urea	min 46	0.3 - 0.55 max

Packing:
- 50 kg Bags
- Jumbo Bag(1 MT)



- Application:**
- Nitrogen-release fertilizer
 - Melamine
 - Adhesives
 - Moldings
 - Laminate
 - Plywood
 - Coatings.
 - (SCR) system





Heavy Alkylbenzene(HAB)

Chemical Formula: C₂₈H₅₀

Physical Characteristics: Liquid – Semi light yellow to light brown

Grade	Density, gr/cm3	Viscosity, cst
Heavy Alkylbenzene(HAB)	0.895 Max	15 Min

Packing:

- Bulk
- Drum
- IBC



Application:

- Cutting Oil
- Thermal Fluid
- Fuel Oil Additive
- Insulating Oil
- Anti corrosion additives
- Chemical lubricant
- Motor vehicle engine oil ingredients
- Refrigerating oils
- Textile
- Lube Industries
- Greases
- Lube oil
- Refrigerating oils
- Industrial detergent





Linear Alkyl Benzene (LAB)

Chemical Formula: $C_6H_5C_nH_{2n+1}$ (n=10-13)

Physical Characteristics: Liquid – Colorless liquid

Grade	Density, gr/cm3	VISCOSITY(40°C)
LAB	0.8550-0.870	<10

Packing:

- Bulk
- Drum
- IBC



Application:

- Detergents
- Household cleaners
- Laundry cleaners





SODIUM BICARBONATE

Chemical Formula: NaHCO_3

Physical Characteristics: Solid–White Crystalline Powder

Grade	Purity	Solubility
Sodium Bicarbonate	Min 99%	9.6 g/100 ml

Packing:

- 25 kg Bags



Application:

- Food industry
- Polymer industries
- Leather tanning industry
- Textile industry
- Pharmaceutical industries
- Livestock and poultry feed industries
- Drinking water purification industries
- Fire extinguishing powder
- Detergent industries





SODIUM CARBONATE

Chemical Formula: Na_2CO_3

Physical Characteristics: Solid–White Powder

Grade	Purity	Solubility
Dense Soda Ash	0.85 - 1.1	99.2 - 99.6
Light Soda Ash	0.45 - 0.6	99.2 - 99.6

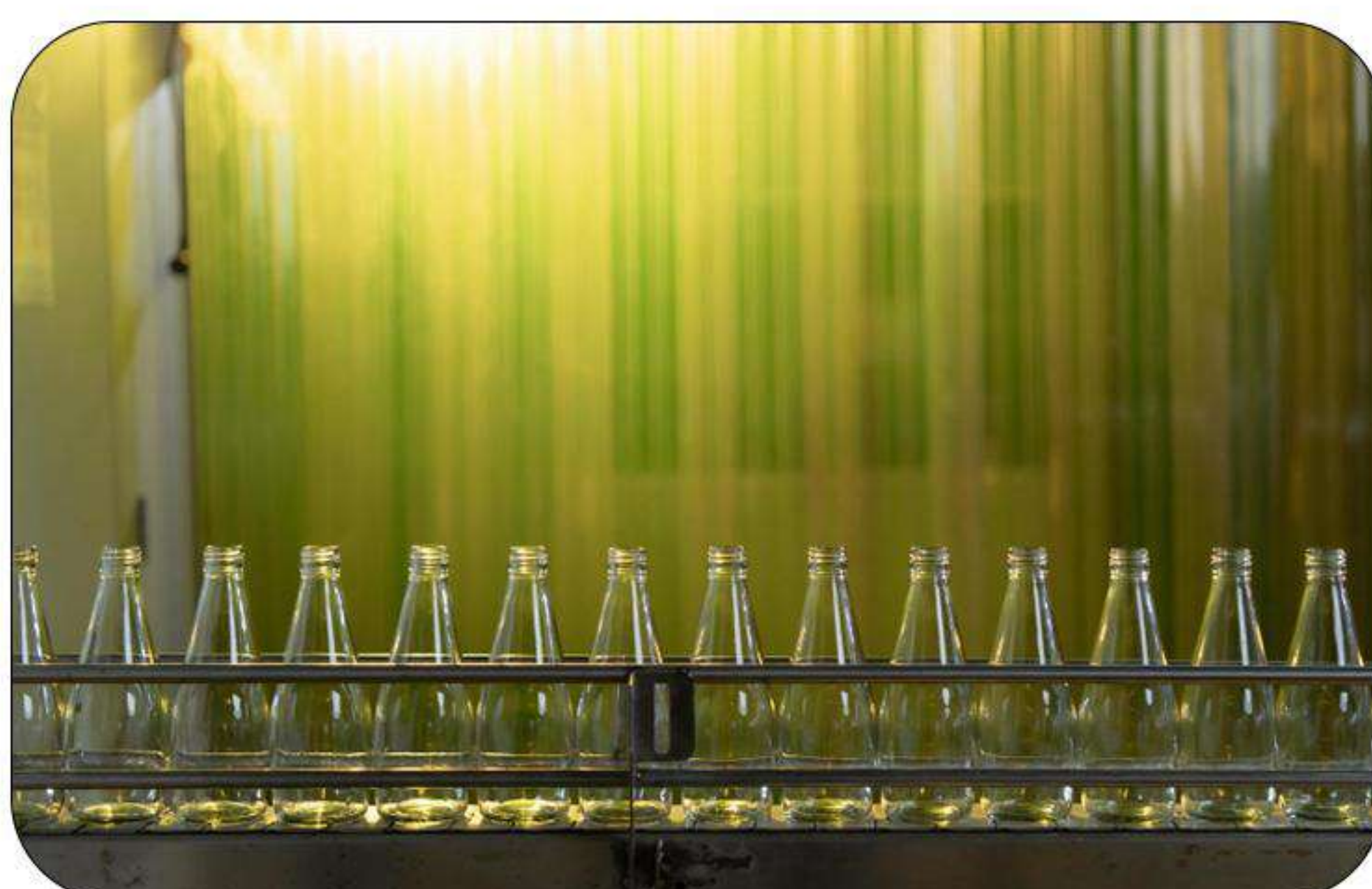
Packing:

- 50 kg Bags
- Jumbo bag (1250 kg, 1200 kg)



Application:

- Glass
- Soaps
- Detergents
- Mineral-work
- Excavation
- Metal (Iron, Steel, Aluminum, etc.) recycling
- Metallurgic and Petroleum product recycling
- Textile industries
- Water treatment
- Detergent industry
- Sodium compounds
- Paper paste production





AMMONIA 99%

Chemical Formula: NH_3

Physical Characteristics: Liquid– colorless

Grade	Purity(wt%)	water content(wt%)	Oil content mg/kg
Ammonia 99%	99.9%	Max 0.1	Max 5
	99.7%	Max 0.35	Max 5

Packing:

- Bulk



This product is shipped under the special conditions

Application:

- Chemical fertilizers
- Industrial sectors
- Explosives production
- Technology
- Drilling
- Gas transmission





Ammonia Solution 25%

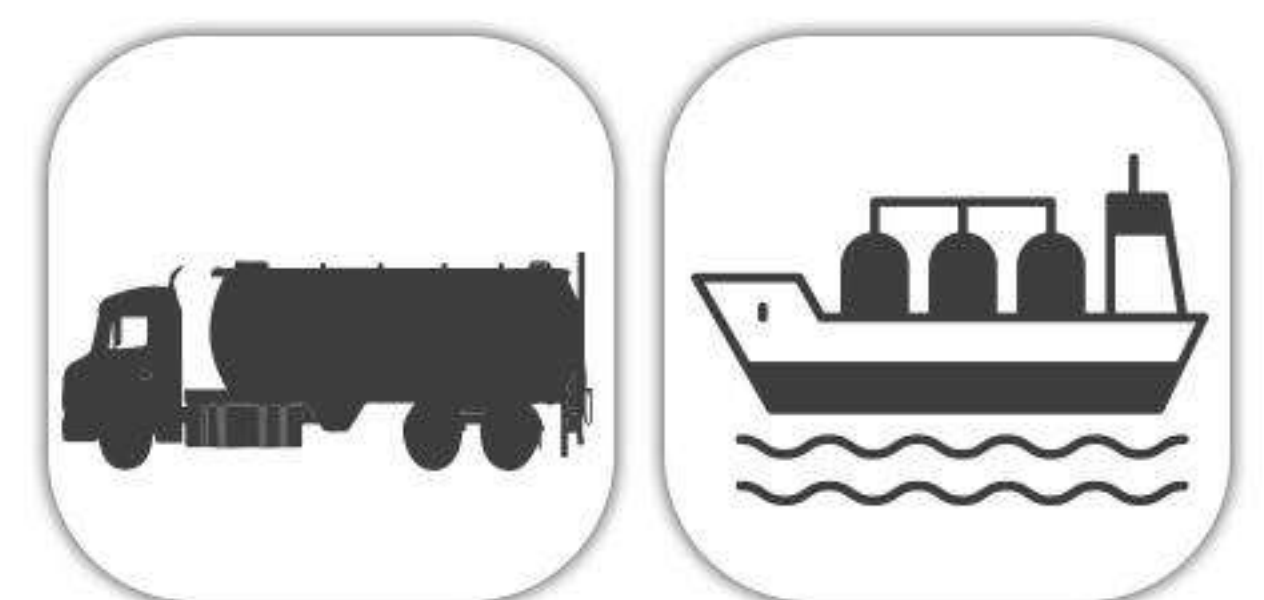
Chemical Formula: NH_4OH

Physical Characteristics: Liquid – colorless

Grade	Piurty(wt%)	Density(gr/ml)
Ammonia	25%	0.91

Packing:

- Bulk



This product is shipped under the special conditions

Application:

- Agricultural industries
- Fertilizer production industries
- Medicine
- Textiles
- Water and wastewater treatment
- Paper industries
- Dye Production
- Metalworking operations
- Synthetic fiber and some plastics
- Acid neutralization
- Industrial refrigeration systems
- Rubber industries

