

TRADE & DEVELOPMENT GROUP COMPANY



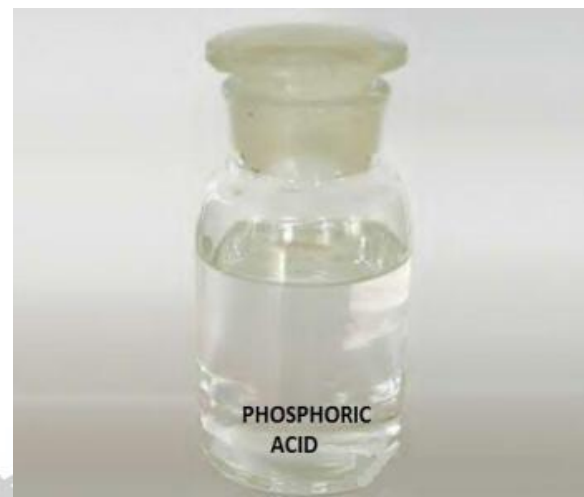
SURPLUS CHEMICALS



BROCHURE

Phosphoric Acid

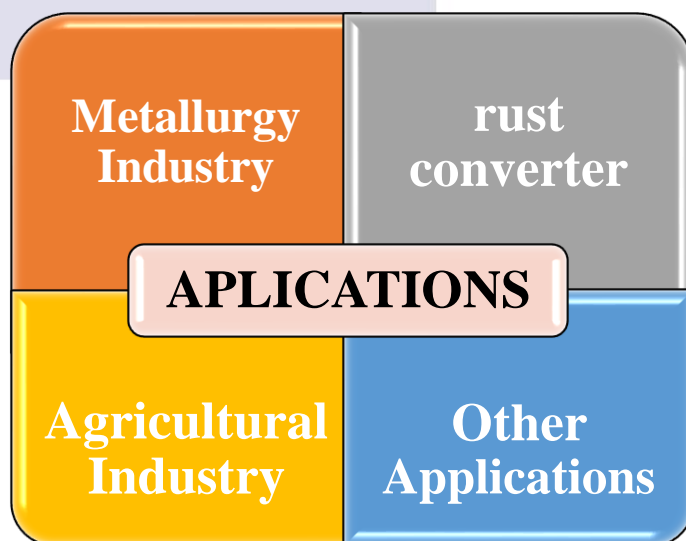
Phosphoric acid, also known as orthophosphoric acid, is the most important oxygen acid of phosphorus with the chemical formula H_3PO_4 . It is also the most common orthophosphoric acid. The pure form of phosphoric acid is a crystalline solid with a $42.35^{\circ}C$ melting point. Its gravity is 1.834 at the temperature of $18^{\circ}C$ and soluble in water and alcohol. It is a colorless, syrupy liquid form in a less concentrated form. It can also combine with them to form a range of compounds that are also referred to as phosphoric acids.



Specifications:

Property	Unit	Value
Appearance	Colorless liquid	
Purity (H_3PO_4)	%	75.0
Sulphate (SO_4)	%	0.005
NaCl	%	0.2 max.
Iron (Fe)	%	0.002
As	%	0.005
Chlorine (Cl)	%	0.0005
Chroma	%	20.0
Heavy Metals (Pb)	%	0.001

HS Code	2809.20.20
CAS No.	7664-38-2
Packaging	640 at 35 kg Plastic Drums 22.4 MT / 20'FCL



Carbon Black

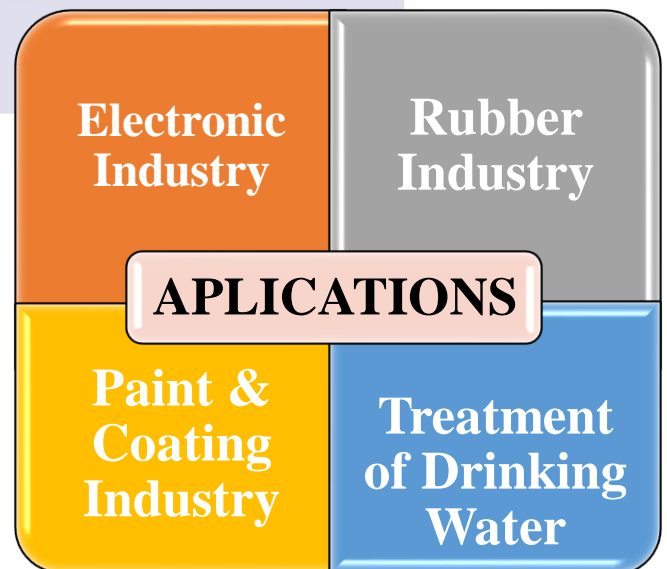
Carbon black (subtypes are acetylene black, channel black, furnace black, lamp black, and thermal black) is a material produced by the incomplete combustion of heavy petroleum products such as FCC tar, coal tar, ethylene cracking tar, and a small amount from vegetable oil. Its physical appearance is that of a black, finely divided pellet or powder.



Specifications:

Property	Unit	Value
Appearance	Back solid, powdered solid	
DBPA	ml/100 gm	113 ± 5
Compressed DBPA	ml/100 gm	92 - 102
Iodine	mg/gm	160 ± 5
Tint	% ITRB	118 - 128
Pour Density	kg/m ³	346 ± 25
Modulus Diff. from IRB7	mpa	- 4.83 to - 1.37
35M Grit	%	0.001
325M Grit	%	0.1
Fines	%	10
Heat Loss	%	2.5
N SA	m ₂ /kg	131 - 413

HS Code	2803.00.00
CAS No.	1333-86-4
Packaging	640 at 25 kg Paper bag, 16 MT / 20'FCL



Crude Glycerine

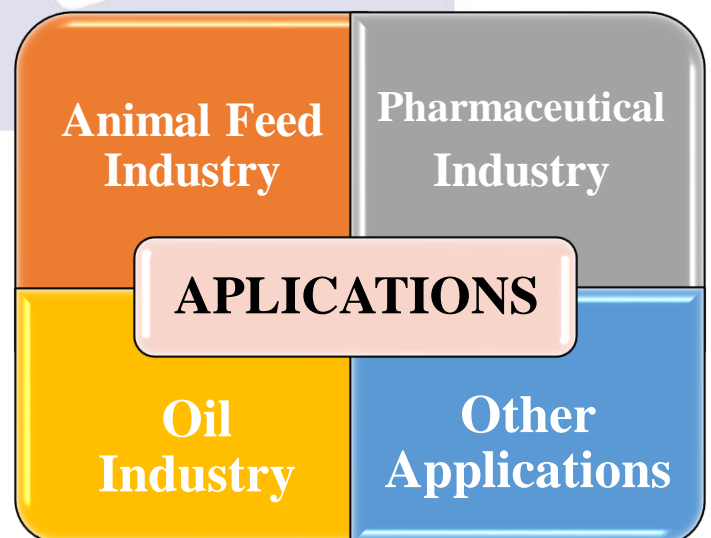
Crude glycerin ($C_3H_8O_3$) is a viscous liquid with a naturally sweet taste and light yellow to dark brown. It is the impure form of refined glycerin. Crude glycerin is derived from both natural and chemical feedstocks. Glycerin occurs in combined form in vegetable oils and fats as a triglyceride. It is also found in animal fats. Crude glycerin is obtained as a byproduct from the biodiesel manufacturing plant and oleochemical industries.



Specifications:

Property	Unit	Value
Appearance at 25°C	Light yellow to dark brown, viscous liquid	
Density at 20°C	g/ml	1.15 - 1.23
Viscosity at 20°C	cSt	350 - 550
Water	% (m/m)	0.5 - 6.0
MONG (methanol included)	% (m/m)	8.0 - 16.0
Methanol	%	2.0 - 4.0
Glycerol Content	%	70-82
Ash	%	3.0 - 6.0

HS Code	1520.00.00
CAS No.	56-81-5
Packaging	<ul style="list-style-type: none">• 1 at 22 MT Flexible Tank, 22 MT / 20'FCL• 80 at 250 kg HDPE Carbuoys, 20 MT / 20'FCL



Ethyl Acetate

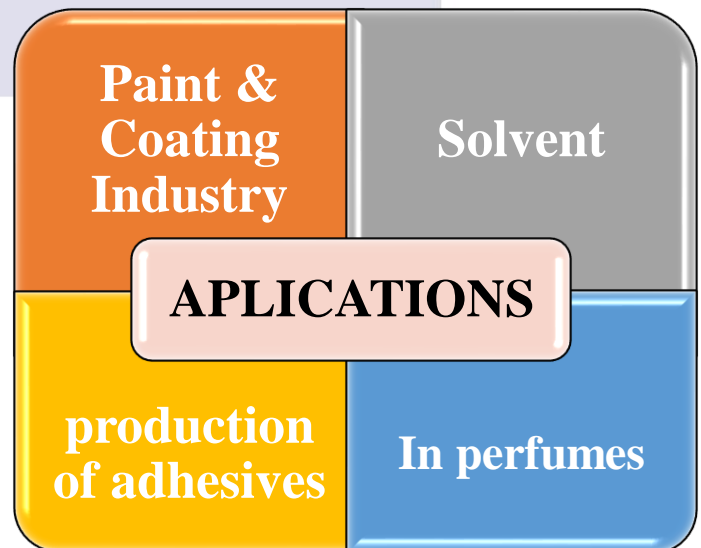
Ethyl acetate is a clear colorless liquid with a fruity odor. It is found in alcoholic beverages. It is also found in cereal crops, radishes, fruit juices, beer, wine, spirits, etc. It is produced by *Anthemis nobilis* (Roman chamomile) and the *Rubus* species. Ethyl Acetate is an organic ester compound with a molecular formula of $C_4H_8O_2$, commonly abbreviated as EtOAc or EA. Due to its agreeable aroma and low cost, ethyl acetate is commonly used and manufactured on a large scale worldwide.



Specifications:

Property	Unit	Value
Appearance	Colorless liquid	
Purity	%	≥ 99.5
Titrateable Acid	meq/g	≤ 0.0008
Residue on Evaporation	%	≤ 0.003
Water	%	≤ 0.2

HS Code	2905.12.20
CAS No.	67-63-0
Packaging	80 at 160 Kg in Iron Drum, 12.8 MT/ 20'FCL



Sodium Sulphate Anhydrous

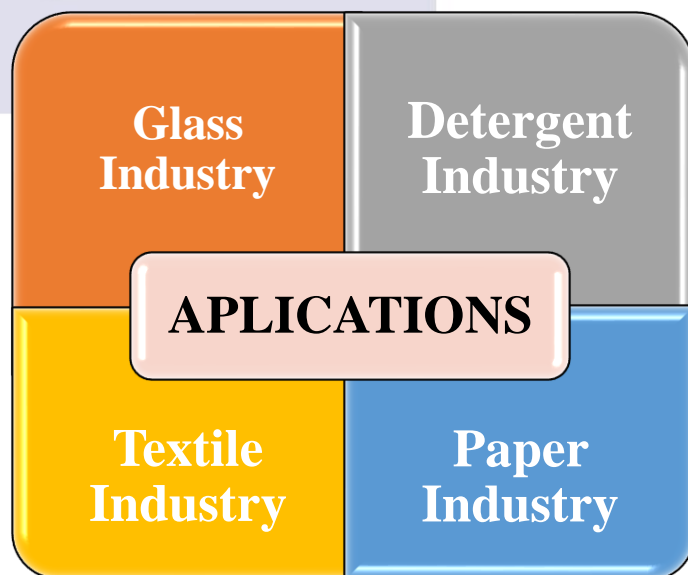
Glauber's salt is also a synonym for sodium sulfate anhydrous and is commonly used in the industries. Sodium sulfate anhydrous, also known as thenardite, has a formula of Na_2SO_4 . It has an appearance of white crystalline solid and is chemically very stable. It is unreactive toward most oxidizing or reducing agents at normal temperatures. In addition to that, it can be converted to sodium sulfide at high temperature by carbo-thermal reduction.



Specifications:

Property	Unit	Value
Appearance	White powder	
Na_2SO_4	%	99.93 min.
Fe	ppm	20
NaCl	%	0.2 max.
Insoluble in Water	%	0.2 max.
Water Content	%	0.1 max.

HS Code	2833.11.00
CAS No.	7757-82-6
Packaging	500 AT 50 kg PP/PE bags, 25 MT / 20' FCL





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