



VISWAAT

ISO 9001
BUREAU VERITAS
Certification



008

CONSTRUCTION CHEMICALS



An ISO 9001:2008 certified company



Viswaat Chemicals Ltd. an ISO 9001:2008 professionally managed company with a rare blend of global quality, capability and adaptability has emerged as a trusted supplier of performance chemicals to various industries like Agro, Pharmaceuticals, Construction, Refinery, Personal Care, Paints, Leather, Textile to name a few.

Viswaat's state-of-the-art manufacturing plant is located at Ambernath, near Mumbai and is equipped with the latest machinery and sophisticated processes.

Construction Chemicals

Viswaat Chemicals Ltd. with its ever expanding range of Speciality Chemicals introduces various range of chemicals for Construction Chemical Industries.

Construction Chemicals are value added inputs for the Construction Industry. They are used in existing concrete structures to impart desired characteristics like durability, strengthening etc. and improve the productivity of the construction by increasing the life of the structure.

It's team of technical experts alongwith the marketing team studied the product need of this industry and today feel proud to announce its range of **Construction Chemicals**.

VICAMOL C22

PARAFFIN WAX EMULSION

Paraffin wax emulsion is most commonly used in manufacturing of Construction Chemicals for protection of concrete against corrosion and rust by improving water resistance as water can weaken or damage concrete. The product is recommended for use in cement admixtures as curing additives.

VICAMOL C22 is a free flowing, homogenous, aqueous wax emulsion manufactured by Viswaat Chemicals Limited, by proper selection of Emulsifiers and maintaining the right combination of wax and Emulsifier. The product is Cationic in nature.

SPECIFICATIONS :

Appearance	:	Free flowing milky white emulsion
Ph (as such)	:	4.5 - 5.5
Total Solid Content	:	40 ±2%
Viscosity @ 30 Deg C by B4 Cup in seconds	:	25.0 Max
Nature	:	Cationic
Solubility	:	Dispersible in Water

HANDLING & STORAGE :

Material should be stored under shade at temperature about 28 - 30 Deg C. Exposure to direct sunlight is to be avoided. Containers should be properly closed to prevent surface evaporation of the material.

VICAMOL TEA

TRIETHANOLAMINE

Synonyms	:	Triethyloamine, Triolamine, Trolamine , Tris (2- hydroxyethyl) amine
C.A.S. No.	:	102 - 71 - 6
Molecular Formula	:	$C_6H_{15}NO_3$
Molecular Weight	:	149

SPECIFICATIONS :

Appearance	:	Clear colourless to pale yellow viscous liquid
Triethanolamine Content (% by mass)	:	85% Min
Boiling Point	:	360 Deg C
Specific Gravity @20 C	:	1.123 – 1.127
ph	:	10.50
Flash Point	:	180 Deg C
Freezing Point	:	- 42 Deg C
Solubilty in Water	:	Miscible
Water Content	:	0.5% - 1%

APPLICATIONS:

In Construction Chemical Industries :

- As cement grinding aid, to improve grinding efficiency, reduce energy consumption without compromising the performance of the cement.
- As curing additives in Cement Admixtures.

Other Uses :

- As pH adjustor in fragrance ingredients.
- As an intermediate in corrosion inhibitor formulations

VICAMOL TIPA

TRI ISOPROPANOL AMINE

Chemicals family names	: Polyols, Alkanolamines
C.A.S. No.	: 122 - 20 - 3
Synonyms	: Tris (2-Propanol) amine
Molecular Formula	: $N[CH_3CH(OH)CH_2]_3$
Molecular Weight	: 191.27

INTRODUCTION :

Commercial grade of Tri Isopropanol Amine is available as 85% aqueous solution and balance is 15% deionized water.

SPECIFICATIONS :

Product Name	Appearance at 25 Deg C	Active Content (%)	Water Content (%)
TRI ISOPROPANOL AMINE	Clear to light yellow liquid	85 min	15 max

Liquid grade of Tri Isopropanol Amine, should not be stored in presence of Aluminium, due to possibility of corrosion and potential chemical reaction releasing Hydrogen gas at above 60 Deg C.

Tri Isopropanol Amine should not be passed through rubber hose.

Copper and Brass plant, fitting must be avoided.

APPLICATIONS:

In Construction Chemical Industries :

- Tri Isopropanol Amine is a type of surface treating agent, widely used in cement industry.
- The cement and concrete industries use TIPA as a grinding aid and it is used in concrete admixtures.

Other Uses :

- As Gas Scrubber in Natural and Refinery Gas Operation.
- As crosslinking catalyst in polyurethane production.

VICAMOL SNF (P)

VICAMOL SNF (P) manufactured by Viswaat Chemicals Ltd. belongs to Sodium salt of Naphthalene Sulphonic Acid Formaldehyde condensates type of products.

The commercial material is supplied as a powder.

SPECIFICATIONS :

Appearance	:	Free flowing brown powder without lumps
Bulk density kg/lit	:	0.55 – 0.70
Solubility in water of 40% by wt.	:	Completely soluble without any sediments
Specific gravity of 40% solution @30 C	:	1.17 - 1.21
pH of 10% aqueous sol.	:	7.0 - 9.0
Flowtime in B3 cup of 40% sol. secs.	:	22 - 23
Moisture content (% by wt)	:	10 max
Sulphate content (% by wt)	:	10 max
Spread diameter of mortar at W/C 0.30 with 0.3% dosage of dosage of powder by wt. of mortar mm	:	250 - 270
Air content of mortar against control	:	Max 2% over control

APPLICATIONS:

In Construction Chemical Industries :

- These products have been found to be an excellent dispersants, for cement, with low foaming characteristics, less or no tendency of hardening retardation, and air entrainment as compared to conventional chemical admixtures. However, the dispersive ability of these products vary depending upon the cement.

Other Uses :

- As pigment and dye dispersant.
- As dispersant in agricultural formulation.

VICAMOL MPEG

Chemicals family names : Methoxy polyethylene glycol, MPEG, Methoxy Polyethylene Glycol, Other Organic Chemicals

DESCRIPTION :

MPEG (Methoxy Polyethylene Glycol) is made by reaction with EO (Ethylene Oxide) and Methanol and MPEG's main usage is producing PCA type (Polycarboxylate) water reducing agent.

MPEG normally reacts with MAA (Metha Acrylic Acid) through esterification and generate Macromer (MPEG-MA) and Macromer further reacts with MAA (Metha Acrylic Acid) and other polymer, And its final products called PCA (poly carboxylate type water reducing agent) which are currently applied in high speed railways, multistory building, subways and so on which normally required high strength and excellent durability.

APPLICATIONS:

Product Name	Appearance @ 25°C	Colour, APHA	Molecular Weight	pH (5% aq)	Moisture Content %
VICAMOL MPEG 500	Clear Liquid	100 Max	475 - 525	4.50-7.50	0.50 max
VICAMOL MPEG 750	Paste	100 Max	700 - 800	5.50-7.50	0.50 max
VICAMOL MPEG 1000	Solid	100 Max	900 - 1100	5.50-7.50	0.50 max
VICAMOL MPEG 3000	Solid	100 Max	2850 - 3150	5.50-7.50	0.50 max

APPLICATIONS: In Construction Chemical Industries,

Used to make final product Poly Carboxylate type water reducing agent which are currently applied in high speed railways, multistory building, subway and so on which normally required high strength and excellent durability.



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