



ETHOXYLATES & SURFACTANTS

1. ALKYL PHENOL & PHENOL ETHOXYLATES

THESE ARE EXCELLENT OIL / WATER SOLUBLE DETERGENT, EMULSIFIERS/ CO-EMULSIFIERS, WETTING / CLEANING & DISPERSING AGENTS. INTERMEDIATE FOR SULPHATION & FIND APPLICATION IN TEXTILE, DETERGENTS, AGRO CHEMICALS, EMULSION, POLYMERISATION & PAINTS. WIDE RANGE BASED ON NONYL PHENOL , OCTYL PHENOL, CARD PHENOL & STYRENATED PHENOL.

PRODUCTS :

1	NONYL PHENOL ETHOXYLATES	NP. 2.5, 4.5, 6, 8, 9, 9.5, 10, 13, 15, 20, 30
2	OCTYL PHENOL ETHOXYLATES	OP. 5, 9.5, 10, 15, 40
3	CARD PHENOL ETHOXYLATES	CP. 6, 9, 10, 12, 15
4	STYRENATED PHENOL ETHOXYLATE	SP 10, 15, 20

2. FATTY ALCOHOL ETHOXYLATES

FATTY ALCOHOL ETHOXYLATES, MAINLY FIND APPLICATION AS CLEANING & SCOURING AGENT, DETERGENT & EMULSIFIERS IN TEXTILE / OTHER INDUSTRY, THEY ARE HIGH PERFORMACE SURFACTANTS WHICH PROVIDE INCREDIBLE RESULTS, THEY ARE ONE OF THE MOST ECO FRIENDLY SUFACTANTS. **LAURYL ALCOHOL ETHOXYLATES** ARE USED AS MAJOR MATERIAL FOR MANUFACTURE OF SODIUM LAURYL ETHER SULFATE (SLES) FOR SHAMPOO & DETERGENTS. **CETO STEARYL ALCOHOL ETHOXYLATE** FIND APPLICATION AS EMULSIFIERS IN PHARMA & COSMETIC APPLICATION SUCH AS OINTMENTS & CREAMS. **OLEYL CETYL ALCOHOL ETHOXYLATE** PROVIDES EXCEPTIONAL RESULT AS EMULSIFYING AGENT IN LUBRITANT , OIL & DYEING INDUSTRIES.

PRODUCTS :

1	LAURYL ALCOHOL ETHOXYLATES (C-12-C-14	LA.1, 2, 2.5, 3, 4, 5, 6, 7, 8, 9, 10, 15, 20, 23
2	CETO STEARYL ALCOHOL ETHOXYLATES (C16-C-18)	CS 2, 5, 10, 15, 20, 23, 25, 30, 40, 50, 80
3	OLEYL CETYL ALCOHOL (80/85) ETHOXYLATES	OCA. 2, 2.5, 5, 10, 20
4	BEHENYL ALCOHOL ETHOXYLATE (C22)	

3. SYTHETIC ALCOHOL ETHOXYLATES

SYTHETIC ALCOHOL ETHOXYLATES FIND USE IN MANY INDUSTRIAL PRACTICES AS DETERGENTS, WETTING AGENT, EMUSLFIFIERS, DEGREASES & EMOLLIENTS IN MANY LINES OF COMMERCIAL AVAILABLE PRODUCTS, THEY PROVIDE HIGH EMULSION WITH LOW FOAMING MAKING IT VIABLE PRODUCT FOR MULTIPLE INDUSTRIES

PRODUCTS :

1	TRIDECYL ALCOHOL ETHOXYLATES	TDA 3, 5, 6, 7, 8, 9, 12, 15
2	DECYL ALCOHOL ETHOXYLATES	DA 3, 6, 9, 10

4. FATTY AMINE ETHOXYLATES

FATTY AMINE ETHOXYLATES BASED ON TALLOW AMINE, OLEYL AMINE, COCO AMINE, FIND MAJOR APPLICATION AS DYE LEVELING, WETTING AGENTS & EMULSIFIERS. THE VAST APPLICATION MAKES IT SUITABLE FOR MULTIPLE INDUSTRY SUCH AS TEXTILE, DETERGENTS, PERSONAL & HOME CARE etc.

PRODUCTS :

1	TALLOW AMINE ETHOXYLATES	TA 2, 5, 8, 10, 15
2	OLEYL AMINE ETHOXYLATES	OA 2, 5, 8, 10, 15
3	COCO AMINE ETHOXYLATES	COCO 2, 3, 5, 8, 10, 20

5. FATTY ACID ETHOXYLATES

FATTY ACID ETHOXYLATES, SUCH AS STEARIC ACID, LAURIC ACID etc, FIND APPLICATIONS MAINLY IN TEXTILE FORMULATIONS & MANUFACTURING OF SPIN FINISHES. THEY ARE USED IN VARIOUS STAGES OF TEXTILE FORMULATIONS HAVING QUALITIES THAT OF SOFTENING AGENTS, EMULSIFIERS, WETTING AGENT, DISPERSING AGENT etc.

PRODUCTS :

1	STEARIC ACID ETHOXYLATES	SA. 5, 6, 8, 10, 12, 20
2	COCO FATTY ACID ETHOXYLATES	CFA 5, 9, 10, 20
3	LAURIC ACID ETHOXYLATES	LAE 5, 9, 10, 20
4	OLEIC ACID ETHOXYLATES	OAE 2, 5, 6, 8, 10, 15

6. NATURAL OIL ETHOXYLATES

NATURAL OIL ETHOXYLATES ARE USED AS EMULSIFIERS, SOLUBELISERS, DISPERSING & LUBRICANTS FOR DRILLING MUDS, CLEANING, TEXTILE & TANNING (viz: SOFTNERS, ANTI STATIC OIL, FIBER LUBES & DYEING AIDS,) IN COLORANTS (FOR EMULSIFICATION OF PIGMENT DISPERSIONS, UNIVERSAL TINT & COLORANTS) & METAL WORKING FORMULATIONS (viz : SOLUBLE CUTTING OIL & TUBE & WIRE DRAWING LUBES), THEY ARE ALSO USED FOR PREPARATIONS OF VITAMINS, INSECTICIDES, PESTICIDES & FRAGRANCE IN WATER & IN COSMETIC PRODUCTS, (viz : IN LOTION, CREAMS, SHAVING FOAM & SHAMPOOS)

PRODUCTS :

1	CASTOR OIL ETHOXYLATE	CO 2.5, 5, 10, 20, 30, 32, 36, 40, 48, 60, 80
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2	HYDROGENATED CASTOR OIL ETHOXYLATE	HCO 20, 40, 60
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7, TRIETHANOLAMINE (TEA)

TEA IS A INTERMEDIATE IN THE MANUFACTURING OF SURFACE ACTIVE AGENT, TEXTILE SPECIALITIES, ANTI RUST COMPOUND WAXES, POLISHES, HERBICIDES, PETROLEUM DEMULSITIES, CEMENT ADDITIVES & CUTTING OILS. IT ALSO FINDS EXTENSIVE USE IN MANUFACTURE OF SYNTHETIC RESINS, viz SOLVENT FOR CASEIN, SHELLAC & DYES FOR INCREASING THE PENETRATION OF ORGANIC LIQUID IN TGO WOOD & PAPER IN THE PRODUCTION OF TEXTILE INDUSTRY & IN MAKING EMULSIONS WITH MINERAL & VEGETABLE OIL, PARAFFIN & WAXES

TEA 85, 99

8. POLYSORBATE

POLYSORBATE FIND MANY USES IN VARIOUS INDUSTRY SUCH AS PHARMACEUTICALS, PERSONAL CARE & HOME CARE, TEXTILE FORMULATION. THEY ARE UTILISED AS SURFACTANTS IN SOAP & COSMETICS & ALSO AS LUBRICANT IN EYE DROPS. IN FOOD & PHARMACEUTICAL PRODUCT, IT CAN ACT AS A EMULSIFIER. POLYSORBATES ARE EXCIPIENTS THAT ARE USED TO STABALISE AQUEOUS FORMULATIONS OF MEDICATION FOR PARENTAL ADMINISTRATION OR VACCINATION. THEY ARE USED AS SOLUBILISER & EMULSIFIER IN TEXTILE CHEMICAL FORMULATION.

POLYSORBATE 20	POLYSORBATE 40	POLYSORBATE 60
POLYSORBATE 80	POLYSORBATE 81	POLYSORBATE 85

9. POLY ETHYLENE GYLCOL (PEG)

PEG PRODUCTS ARE ESSENTIALLY NON TOXIC, STABLE, & VERSATILE SOLVENTS, WHICH HAVE VARIOUS APPLICATION FOR DIFFERENCE INDUSTRY

1	PHARMACEUTICALS	BASES FOR OINTMENTS, SUPPOSITORIES, LIQUID PREPARATION & TABLET MANUFACTURING
2	COSMETIC	AIDS IN SOAP PRODUCTION, FIXATIVE FOR PERFUME OILS IN DEODERANTS, EVAPORATION, RETARDERS IN NAIL VARNISH, PRE / AFTER SHAVE LOTIONS
3	ORAL CARE	ADJUST CONSISTENCY IN TOOTH PASTE FORMULATIONS MANUFACTURING .
4	TETILE , PAINTS, & PRINTING INKS, RUBBER, RESINS, PLASTICS; USED AS LUBRICANTS, SOLUBELISERS, SOLVENTS, WATER SOLUBEL DELIVERY AGENTS, POLYMER BUILDING BLOCK, EXCIPIENT	

PEG 200	PEG 300	PEG 400	PEG 600	PEG 1000
PEG 1500	PEG 2000	PEG 4000	PEG 6000	PEG 8000

10. PHOSPHATE ESTERS

PHOSPHATRE ESTERS ARE IONIC SURFACTANTS, WHICH ARE PRODUCED BY PHOSPHATION OF FATTY ALCOHOLS & ETHOXYLATED PHENOLS, ALIPHATIC & AROMATIC ALCOHOL. COMPARED TO OTHER IONICS SURFACTANTS, PHOSPAHET ESTERS OFFER SPECIFIC ADVANTAGES, INCLUDING STABILITY OVER A BROAD PH RANGE, GOOD SOLUBILITY & CORROSION INHIBITING PROPERTY. PHASPHATE ESTERS ARE HIGHLY SUITABLE FOR USE AS EMULSIFYING AGENTS, WETTING AGENTS, ANTI-STATS & CORRSION INHIBITORS & HYDROTROPES IN CLEANING FORMULATIONS.

NONYL PHENOL ETHOXYLATE PHOSPHATE ESTER (RE-SERIES)
LAURYL ALCOHOL ETHOXYLATE PHOSPHATE ESTER (LE-SERIES)
TRIDECYL ALCOHOL ETHOXYLATE PHOSPHATE ESTER (TE-SERIES)