

*A Global
Fully Integrated
Oleochemical and
Personal Care Products
Company*

A Partner of Choice





The VVF Story

VVF was established in 1939 by Godrej Pallonji Joshi as the Vegetable Vitamin Foods Company Ltd. The company has a longstanding and reputable history of processing vegetable oils. In 1956, VVF pioneered the process of continuous solvent extraction in India and installed a plant for the extraction of oil from seeds.

In 1971, VVF entered into manufacturing Oleochemicals, soon becoming India's largest manufacturer of Oleochemicals, the company set up a state-of-the-art fractionated fatty acid facility and began supplying fatty acids to customers across the world. Subsequently, VVF successfully commissioned a fatty alcohol plant based on Lurgi's wax ester technology in 2004 in Mumbai, India.

VVF is the partner of choice for multiple Indian and global customers in diverse segments, ranging from home and personal care, cosmetics, oilfields, paints and coatings, textiles, etc.

Today, the company has an annual capacity of 600,000 metric tonnes of fatty acids, fatty alcohols and glycerine.



Vision

To be a professionally managed and agile organization committed to a culture of innovation and operational excellence thereby, creating sustained value for our customers, employees and stakeholders.

Mission

To positively impact lives by striving to be the best at everything we do.

Values

Openness, Integrity, Respect, Innovation, Agility and Trust.

The Business

VVF (India) Ltd. with nearly 50 years of experience in oleochemicals, is the largest manufacturer of the full range of fatty acids and fatty alcohols in India and one of the few companies in the world making the longer chain fatty acids and alcohols from rapeseed/mustard seed oil.

VVF also has the unique capability to customise and develop Oleochemical products to meet its customer's needs.

Fatty Acids

VVF is the manufacturer and exporter of high quality distilled fatty acids produced from vegetable oils like coconut oil, palm oil and rapeseed/mustard seed oil.

The company has the entire range of fatty acids from Caproic, Caprylic, Capric, Lauric, Myristic, Palmitic, Stearic, Oleic, Erucic and Behenic.

VVF's fatty acid facilities are well equipped with efficient state of the art fractional distillation columns enabling the company to offer customized products to customers in niche segments.

Fatty acids are used in various end-use applications running the gamut of possibilities including Personal Care, Aromatic Agents, Candles and Wax, Carrier Fluid Cleaning Agents, Defoamers, De-inking Detergent Agents, Emulsifiers, Lubricants, Plasticizers, Rubber Intermediates, Surfactants, Solubilizers, Textile and Leather Auxiliaries.

Fatty Alcohol

VVF is the largest manufacturer and exporter of fatty alcohols in India, the state-of-the-art fatty alcohol production facility is based on Lurgi's 3rd generation wax ester technology. The facility produces high quality natural saturated fatty alcohols under the registered trade name Vegarol™.

VVF has the entire range of fatty alcohols from short chain Vegarol C10 (Decyl alcohol) to VegarolC22 (Behenyl Alcohol).

VVF has the capability of creating niche and customized products for its customers. Fatty alcohols are used in various end-use applications like Homecare and personal care, Surfactants, Intermediate for Pharmaceutical and Agrochemicals, Pour point regulators, Antioxidants, Cleaning Agent, Defoamers, Detergency Boosters, Lubricants, Plastic additives and Solubilizers.

Glycerin

VVF has been a major global supplier of glycerin for the last 40 years. Our high quality refined glycerin is produced using an "all vegetable" source.

With state-of-the-art processes and quality systems, VVF manufacturers and delivers natural refined glycerin to CP, IP, BP, EP and USP standards.

Glycerin offers numerous end-use applications, including Personal Care, Cosmetics Pharmaceuticals, Food and Beverages along with many industrial applications Cellulose Films, De-icing & Anti-freeze agents, Emulsifiers, Esters Intermediate Moisturizing, Nitration, Plasticizers and Poly Polyurethanes.

New Products

VVF constantly endeavors to be a sustainable innovator and partner of choice to its customers.

The company's long-standing partnerships in its personal care business have helped the company to understand global trends and requirements.

Our new products not only cater to the home and personal care segment but also to oil fields, plastics & polymers, paints & coatings and textile segments to name a few.

R&D

VVF has a full-fledged application development and product development facility in its plant in Mumbai – India. The company's highly specialized and experienced R&D team works with our global customers and aids in developing solutions, new products, new processes and new applications, continuously innovating for and with our customers.

Certifications

- Kosher, Halal,
- HACCP
- FDA approved Glycerin
- Our quality recognition includes certification for:
 - ISO 9001 (Quality management system)
 - ISO 14001 (Environment Management System)
 - ISO 45001 (Occupational health & safety)
 - GMP +B2 certification for fatty acids,
 - ISO 22000 (Food safety management system),
- Eco Vadis
- RSPO
- ECOCERT – COSMOS verified raw materials
- VVF's products are not tested on animals and from a vegetable origin.

FATTY ACID											
Product Name	Caproic acid 50% (C6 50%)	Caprylic acid 99% (C8 99%)	Capric acid 99% (C10 99%)	Caprylic-Capric acid (60/40)	Lauric acid 99% (C12 99%)	Myristic acid 99% (C14 99%)	Stearic acid 90% (C18 90%)	Vegacid S	Oleic acid 60 (C18:1 60%)	Palmitic acid 98% (C16 98%)	Palmitic acid 85% (C16 85%)
Generic Name	Caproic 50 (C6 50%)	Caprylic 99 (C8 99%)	Capric 99 (C10 99%)	Caprylic Capric (60/40)	Lauric 99 (C12 99%)	Myristic 99 (C14 99%)	Stearic 90 (C18 90%)	Proprietary blend	Oleic 60 (C18:1 60%)	Palmitic 98 (C16 98%)	Palmitic 85 (C16 85%)
Test Parameters											
Appearance	Clear yellow liquid	Clear pale yellow liquid	Clear pale yellow liquid	Clear pale yellow liquid	White solid / flakes	White solid / flakes	White flakes	Pale yellow colored liquid	Free flowing yellow liquid	White flakes/Solid/ beads	White flakes/Solid/ beads
Color in Iovibond 5/4" cell	--	Y:3.0, R: 0.5 Max	Y:3.5, R: 0.5 Max	Y:3.0, R: 0.8 Max	Y:2.0, R: 0.2 Max	Y:2.0, R: 0.2 Max	Y:2.0, R: 0.3 Max	Gardener: 1.5 Max	Y:25.0, R: 2.5 Max	Y:2.0, R: 0.3 Max	Y:5.0, R: 1.0 Max
Acid value	375 Min	383--390	321--329	345--372	278--282	243--248	195--202	195--205	200--210	216--221	210--230
Saponification value	376 Min	384--391	322--330	346--373	279--283	244--249	196--203	196--206	--	217--222	211--231
Iodine value	15.0 Max	0.5 Max	0.5 Max	0.5 Max	0.5 Max	0.5 Max	1.0 Max	120--140	50--75	1.0 Max	15.0 Max
Moisture, %	1.0 Max	--	--	--	--	--	--	--	--	--	--
Titre °C	--	15--18	30--32	7.0 Max	42--44	52--54	65--69	20.0 Max	--	58--63	--
Unsap matter, %	--	--	--	--	--	--	--	1.0 Max	2.0 Max	--	1.0 Max
Ash, %	--	--	--	--	--	--	--	--	--	--	--
Total polyunsaturates, %	--	--	--	--	--	--	--	0.8 Max	--	--	--
Peroxide value, meq/kg	--	--	--	--	--	--	--	10 Max	--	3 Max	--
FATTY ACID TYPICAL COMPOSITION, % BY GLC											
C6	50.0 Min	--	--	1.0 Max	--	--	--	--	--	--	--
C8	10.0 Min	99.0 Min	--	52--58	--	--	--	--	--	--	--
C10	--	--	99.0 Min	42--46	Upto C10: 1.0 Max	--	--	--	--	--	--
C12	--	--	--	1.5 Max	99.0 Min	Upto C12: 1.0 Max	--	--	--	--	--
C14	--	--	--	--	1.0 Max	99.0 Min	Upto C14: 1.0 Max	--	C14 & lowers: 3.0 Max	1.0 Max	C14 & below: 5.0 Max
C16	--	--	--	--	--	1.0 Max	8.0 Max	2--5	20--30	98.0 Min	85.0--89.9
Upto C16	--	--	--	--	--	--	--	--	--	--	C18 & Higher: 10.0 Max
C18	--	--	--	--	--	--	90.0 Min	2--6	15.0 Max	2.0 Max	--
C18:1	--	--	--	--	--	--	--	35--45	50--60	--	--
C18:2	--	--	--	--	--	--	--	20--30	15.0 Max	--	--
C18:3	--	--	--	--	--	--	--	18.0 Max	--	--	--
C20	--	--	--	--	--	--	--	--	--	--	--
Upto C20	--	--	--	--	--	--	--	C20 & above: 12 Max	C20 & above: 2.0 Max	--	--
C20:1	--	--	--	--	--	--	--	--	--	--	--
C22:0	--	--	--	--	--	--	--	--	--	--	--
C22:1	--	--	--	--	--	--	--	--	--	--	--
C24:0	--	--	--	--	--	--	--	--	--	--	--
C24:1	--	--	--	--	--	--	--	--	--	--	--
Others	--	1.0 Max	1.0 Max	1.0 Max	1.0 Max	1.0 Max	2.0 Max	2.0 Max	--	1.0 Max	--
Packaging	180 kg HMHDPE drums	Bulk in ISO container/ 180 kg HMHDPE drums	Bulk in ISO container/ 180 kg HMHDPE drums	Bulk in ISO container/ 180 kg HMHDPE drums	Bulk packaging in ISO container/ 500 kg Jumbo bags/ 25 kg Paper bags with polyliner or HDPE bags	Bulk packaging in ISO container/ 500 kg Jumbo bags/ 25 kg Paper bags with polyliner or HDPE bags	Bulk packaging in ISO container/ 500 kg Jumbo bags/ 25 kg Paper bags with polyliner or HDPE bags	Bulk in ISO container/ 180 kg HMHDPE drums/ Flexi Container	Bulk in ISO container/ 180 kg HMHDPE drums/ Flexi Container	Bulk packaging in ISO container/ 25 kg Paper bags with polyliner or HDPE bags	Bulk packaging in ISO container/ 25 kg Paper bags with polyliner or HDPE bags

FATTY ACID												
Product Name	Stearic acid (UTSR)	DEA 1218	Stearic acid (DTP-7)	Stearic acid (DTP-CT)	Stearic acid (P12)	Oleic acid K (Oleic acid)	Vegacid 1880 (Oleic acid)	Vegacid 1890 (Oleic acid)	Erucic acid-90%	Erucic acid-70%	Behenic acid 90	Behenic acid 8590
Generic Name	Stearic acid rubber grade	Distilled Fatty Acid (C12.45%)	Stearic acid (C1618 30/50)	Stearic acid (C1618 35/65)	Stearic acid (C1618 55/45)	Oleic 70 (C18:1 70%)	Oleic 20 Grade 1 (C18:1 20%)	Oleic 20 Grade 2 (C18:1 20%)	Erucic 90 (C22:1 90%)	Erucic 70 (C22:1 70%)	Behenic 90 (C22:0 90%)	Behenic 8590 (C22:0 85%)
Test Parameters												
Appearance	Solid flakes	Light yellow clear liquid	Pale yellow colored flakes	White flakes	White flakes	Pale yellow colored liquid	Yellow liquid	Yellow liquid	Pale yellow colored liquid	Pale yellow colored liquid	White flakes	White flakes
Color in Iovibond 5/4" cell	--	Y:10.0, R: 1.0 Max	Y: 4.5, R: 0.5 Max	Y: 4.5, R: 0.5 Max	Y: 2.5, R: 0.5 Max	Y: 12.0, R: 1.5 Max	Report	Report	Y: 3.0, R: 0.5 Max	--	Y: 10.0, R: 1.2 Max	Y: 7.0, R: 1.0 Max
Acid value	180 Min	242--262	200--210	195--210	205--212	195--205	195--205	195--205	163--170	165--180	161--169	161--170
Saponification value	181 Min	243--263	201--211	196--211	206--213	196--206	196--206	196--206	164--171	166--181	162--170	162--171
Iodine value	8.0 Max	8--20	3.0 Max	2.0 Max	0.5 Max	105 Max	145 Min	145 Min	72--80	65--85	3.0 Max	2.0 Max
Moisture, %	--	--	--	--	--	--	0.15 Max	0.15 Max	--	0.1 Max	--	--
Titre °C	50 Min	20--28	53--64	59--64	54--57	35 Max	22 Max	22 Max	25--35	--	74 Min	72--80
Unsap matter, %	--	0.5 Max	0.75 Max	1.0 Max	0.5 Max	1.0 Max	--	--	2.0 Max	--	2.5 Max	2.5 Max
Ash, %	0.1 Max	0.1 Max	0.01 Max	0.01 Max	0.01 Max	--	--	--	--	--	--	--
Total polyunsaturates, %	--	--	--	--	--	--	--	--	--	--	--	--
Peroxide value, meq/kg	--	--	--	--	--	--	--	--	--	--	--	--
Fatty acid typical composition, % By GLC												
C6	--	--	--	--	--	--	(Approximate composition)	(Approximate composition)	--	--	--	--
C8	--	--	--	--	--	--	--	--	--	--	--	--
C10	--	--	--	--	--	--	--	--	--	--	--	--
C12	--	45--56	1.0 Max	--	1.0 Max	--	--	--	--	--	--	--
C14	--	Report	2.0 Max	--	2.0 Max	--	--	--	--	--	--	--
C16	--	--	30--50	35.0 Max	53--55	--	4.5	6.8	--	--	--	--
Upto C16	--	--	--	--	--	10.0 Max	--	--	--	--	--	--
C18	--	--	50--65	60.0 Min	42--45	12.0 Max	2.7	3.2	--	--	--	10.0 Max
C18:1	--	--	5.0 Max	--	2.0 Max	70.0 Min	22.9	27.5	--	--	--	--
C18:2	--	--	--	--	--	15.0 Max	32.4	37.2	--	--	--	--
C18:3	--	--	--	--	--	--	19.8	22.3	--	--	--	--
C20	--	--	--	--	1.0 Max	--	--	--	--	C20 Total: 1 Max	--	12.0 Max
Upto C20	--	--	--	--	--	--	--	--	3.0 Max	--	Upto C20: 10.0 Max	--
C20:1	--	--	--	--	--	--	12.8	0.7	2.0 Max	--	--	--
C22:0	--	--	--	--	--	--	--	--	4.0 Max	--	90.0 Min	85--90
C22:1	--	--	--	--	--	--	--	--	90.0 Min	C22:1 Cis: 70 Min	--	--
C24:0	--	--	--	--	--	--	--	--	1.5 Max	--	3.0 Max	4.0 Max
C24:1	--	--	--	--	--	--	--	--	3.0 Max	--	--	--
Others	--	--	1.0 Max	2.0 Max	1.0 Max	--	--	--	4.0 Max	2.5 Max	2.0 Max	2.0 Max
Packaging	500 kg Jumbo bags/ 25 kg Paper bags or HDPE bags	Bulk in ISO container/ 180 kg HMDPE drums/ Flexi Container	500 kg Jumbo bags/ 25 kg Paper bags or HDPE bags	500 kg Jumbo bags/ 25 kg Paper bags or HDPE bags	500 kg Jumbo bags/ 25 kg Paper bags or HDPE bags	Bulk in ISO container/ 180 kg HMDPE drums or HDPE bags	Bulk in ISO container/ 180 kg HMDPE drums/ Flexi Container	Bulk in ISO container/ 180 kg HMDPE drums/ Flexi Container	Bulk in ISO container/ 180 kg HMDPE drums or MS (Lacquered coated) drums	Bulk in ISO container/ 180 kg HMDPE drums	500 kg Jumbo bags/ 25 kg Paper bags or HDPE bags	500 kg Jumbo bags/ 25 kg Paper bags with polyliner or HDPE bags

FATTY ALCOHOL

Product Name	Vegarol 1099	Vegarol 1214	Vegarol 1216	Vegarol 1218	Vegarol 1618 TA	Vegarol 1618 (50:50)	Vegarol 1618 PS	Vegarol 1698	Vegarol 1699
Generic Name	Decyl alcohol 99%	Lauryl Myristyl Alcohol (C1214)	Lauryl Myristyl Alcohol with Cetyl (C12 to C16)	Lauryl Myristyl Alcohol with Cetyl & Stearyl (C12 to C18)	Cetostearyl alcohol (C1618 30/70)	Cetostearyl alcohol (C1618 50/50)	Cetostearyl alcohol (C1618 60/40)	Cetyl alcohol 98% (C16 98)	Cetyl alcohol 99% (C16 99)
Test Parameters									
Appearance	Colorless, clear liquid	Colorless, clear liquid	Colorless, clear liquid	Colorless, clear liquid	White solid/pastilles	White solid/pastilles	White solid/pastilles	White solid/pastilles	White solid/pastilles
Color APHA	10 Max	10 Max	10 Max	10 Max	10 Max	10 Max	10 Max	10 Max	10 Max
Acid value	0.1 Max	0.1 Max	0.1 Max	0.1 Max	0.1 Max	0.2 Max	0.2 Max	0.1 Max	0.1 Max
Saponification value	0.3 Max	0.5 Max	0.5 Max	0.5 Max	0.5 Max	0.5 Max	0.5 Max	0.3 Max	0.3 Max
Iodine value	0.3 Max	0.3 Max	0.3 Max	0.3 Max	0.3 Max	0.5 Max	0.5 Max	0.3 Max	0.3 Max
Hydroxyl value	350--358	285--295	280--290	260--280	210--220	210--225	218--228	225--235	225--235
Moisture, %	0.3 Max	0.1 Max	0.1 Max	0.1 Max	0.2 Max	0.3 Max	0.3 Max	0.1 Max	0.1 % Max
Solidification range, °C		17--23	18--25	18--28	50--54	48--52	47--51	46--52	46--52
Fatty alcohol typical composition, % By GLC									
C8 alcohol	C8 & Below: 0.5 Max	--	0.2 Max	--	--	--	--	--	--
C10 alcohol	99.0 Min	--	1.0 Max	--	--	--	--	--	--
C8 & C10 alcohol	--	2.0 Max	--	2.0 Max	--	--	--	--	--
C14 & lower alcohol	--	--	--	--	3.0 Max	--	--	--	1.0 Max
C12 alcohol	C12 & Higher: 0.5 Max	70--78	65--71	45--60	0.5 Max	--	2.0 Max	0.5 Max	--
C14 alcohol	--	22--30	22--27	18--27	1.5 Max	--	7.0 Max	1.0 Max	--
C16 alcohol	--	--	4--6	8--13	25--35	45--55	55--65	98.0 Min	99.0 Min
C18 alcohol	--	--	0.5 Max	10--14	65--70	45--55	35--45	1.0 Max	1.0 Max
C16 & C18 alcohol	--	2.0 Max	--	--	--	--	--	--	--
C20 alcohol	--	--	--	2.0 Max	--	--	2.0 Max	--	--
C20 & higher alcohol	--	--	--	--	2.0 Max	3.0 Max	--	--	--
C22 alcohol	--	--	--	--	--	--	--	--	--
C24 alcohol	--	--	--	--	--	--	--	--	--
Hydrocarbons	0.5 Max	0.5 Max	0.5 Max	1.0 Max	0.5 Max	0.5 Max	0.5 Max	0.5 Max	0.5 Max
Packaging	Bulk Packing in ISO container/ 170kg MS (Lacquer coated) drums/ HMDPE drums	Bulk Packing in ISO container/ 170kg MS (Lacquer coated) drums/ HMDPE drums	Bulk Packing in ISO container/ 170kg MS (Lacquer coated) drums/ HMDPE drums	Bulk Packing in ISO container/ 170kg MS (Lacquer coated) drums/ HMDPE drums	Bulk packing in ISO container/ 500 kg Jumbo bags/ 25 kg Paper bags with polyliner or HDPE bags/ 50 lbs Poly bags	Bulk packing in ISO container/ 25 kg Paper bags with polyliner or HDPE bags/ 50 lbs Poly bags	Bulk packing in ISO container/ 500 kg Jumbo bags/ 25 kg Paper bags with polyliner or HDPE bags/ 50 lbs Poly bags	Bulk packing in ISO container/ 500 kg Jumbo bags/ 25 kg Paper bags with polyliner/ 50 lbs poly bags/ 180kg HMDPE Drums	Bulk packaging in ISO container/ 500 kg Jumbo bags/ 25 kg Paper bags with polyliner or HDPE bags/ 50 lbs Poly bags

FATTY ALCOHOL

Product Name	Vegarol 1898	Vegarol 1899	Vegarol 1822	Vegarol 2270	Vegarol 2280	Vegarol 2290	Vegarol 2022	Vegarol 20	Vegarol 2095
Generic Name	Stearyl alcohol 98% (C18 98)	Stearyl alcohol 99% (C18 99)	Behenyl alcohol (C1822)	Behenyl alcohol (C22 70)	Behenyl alcohol (C22 80)	Behenyl alcohol (C22 90)	Arachidyl Behenyl alcohol	Arachidyl alcohol 90%	Arachidyl alcohol 95%
Test Parameters									
Appearance	White solid/pastilles	White solid/pastilles	White solid/pastilles	White solid/pastilles	White solid/pastilles	White solid/pastilles	White solid/pastilles	White solid/pastilles	White solid/pastilles
Color APHA	10 Max	10 Max	30 Max	20 Max	10 Max	30 Max	50 Max	10 Max	10 Max
Acid value	0.1 Max	0.1 Max	0.3 Max	0.1 Max	0.1 Max	0.2 Max	1.0 Max	0.2 Max	0.2 Max
Saponification value	0.3 Max	0.3 Max	1.0 Max	0.5 Max	0.3 Max	1.0 Max	1.0 Max	0.5 Max	0.5 Max
Iodine value	0.3 Max	0.3 Max	0.5 Max	1.0 Max	0.3 Max	1.0 Max	2.0 Max	0.5 Max	0.5 Max
Hydroxyl value	200--210	200--210	180--190	170--180	172--178	165--175	170--190	180--188	180--188
Moisture, %	0.1 Max	0.1 Max	0.2 Max	0.1 Max	0.2 Max	0.2 Max	0.2 Max	0.2 Max	0.2 Max
Solidification range, °C	55--58	55--59	55--60	62--67	--	--	60--66	--	--
Fatty alcohol typical composition, % By GLC									
C8 alcohol	--	--	--	--	--	--	--	--	--
C10 alcohol	--	--	--	--	--	--	--	--	--
C8 & C10 alcohol	--	--	--	--	--	--	--	--	--
C14 & lower alcohol	--	--	--	--	--	--	--	--	--
C12 alcohol	--	--	--	--	--	--	--	--	--
C14 alcohol	0.5 Max	--	--	--	--	--	--	--	--
C16 alcohol	1.0 Max	C16 & lower: 1.0 Max	1.0 Max	0.5 Max	0.5 Max	--	C16 & Below: 0.5 Max	C16 & Below: 0.5 Max	C16 & Below: 0.5 Max
C18 alcohol	98.0 Min	99.0 Min	41--45	4--8	5.0 Max	2.0 Max	7.0 Max	5.0 Max	3.0 Max
C16 & C18 alcohol	--	--	--	--	--	--	--	--	--
C20 alcohol	--	--	9--13	15--20	10--20	10.0 Max	55--67	90.0 Min	95.0 Min
C20 & higher alcohol	1.0 Max	1.0 Max	--	--	--	--	--	--	--
C22 alcohol	--	--	42--46	72--80	80--90	90.0 Min	23--38	C22 & Higher: 5.0 Max	C22 & Higher: 3.0 Max
C24 alcohol	--	--	2.0 Max	1.5 Max	2.0 Max	4.0 Max	6.0 Max	--	--
Hydrocarbons	0.5 Max	0.5 Max	1.0 Max	1.0 Max	0.5 Max	1.0 Max	--	1.0 Max	1.0 Max
Packaging	Bulk packaging in ISO container/ 500 kg Jumbo bags/ 25 kg Paper bags with polyliner or HDPE bags/ 50 lbs Poly bags	Bulk packaging in ISO container/ 500 kg Jumbo bags/ 25 kg Paper bags with polyliner or HDPE bags/ 50 lbs Poly bags	500 kg Jumbo bags/ 25 kg Paper bags with polyliner or HDPE bags/ 50 lbs Poly bags	500 kg Jumbo bags/ 25 kg Paper bags with polyliner or HDPE bags/ 50 lbs Poly bags	500 kg Jumbo bags/ 25 kg Paper bags with polyliner or HDPE bags/ 50 lbs Poly bags	500 kg Jumbo bags/ 25 kg Paper bags with polyliner or HDPE bags/ 50 lbs Poly bags	Bulk packaging in ISO container/ 500 kg Jumbo bags/ 25 kg Paper bags with polyliner/ 50 lbs poly bags/ 180kg HMDPE Drums	Bulk packaging in ISO container/ 500 kg Jumbo bags/ 25 kg Paper bags with polyliner/ 50 lbs poly bags/ 180kg HMDPE Drums	Bulk packaging in ISO container/ 500 kg Jumbo bags/ 25 kg Paper bags with polyliner/ 50 lbs poly bags/ 180kg HMDPE Drums

GLYCERIN

TYPICAL ANALYSIS PARAMETERS

Trade Name	Specification standard	Assay	Color	Sp. Gravity	Water	Chloride	Sulphate	Fatty acid & Esters	Iron	Heavy metal
GLYCERIN USP	Complies as per USP 42 specifications	99.70%	Passes as per USP	1.2625	0.08%	<10 ppm	<10 ppm	--	--	<1 ppm
GLYCERIN BP	Complies as per BP 2019 specifications	99.50%	--	1.2625	0.08%	<10 ppm	<10 ppm	Passes as per BP	--	<1 ppm
GLYCERIN EP	Complies as per EP 9.0 specifications	99.50%	--	1.2625	0.08%	<10 ppm	<10 ppm	Passes as per EP	--	<1 ppm
GLYCERIN IP	Complies as per IP 2018 specifications	99.50%	--	1.2625	0.08%	<10 ppm	<10 ppm	Passes as per IP	<1 ppm	<1 ppm
GLYCERIN CP	Complies as per IS 1796 - 1986 specifications	99.50%	Passes as per CP grade	1.2625	0.08%	<10 ppm	<10 ppm	0.030% Max	<1 ppm	<1 ppm

Packaging Bulk in ISO/ 250kg MS drums (Lacquer coated) / 250kg HMDPE drums

*The Glycerin is manufactured from 100% vegetable oil

*No solvents are used in manufacturing of Glycerin

TERTIARY AMINES

PRODUCT NAME	VEGAROL 1298 TAM	VEGAROL 1498 TAM	VEGAROL 1265 TAM	VEGAROL 1270 TAM	VEGAROL 1698 TAM	VEGAROL 1898 TAM	VEGAROL 1870 TAM	VEGAROL 2280 TAM
CHEMICAL NAME	Dodecyl dimethylamine	Tetradecyl dimethylamine	Dodecyl & Tetradecyl dimethylamine	Dodecyl & Tetradecyl dimethylamine	Hexadecyl dimethylamine	Octadecyl dimethylamine	Hexadecyl & Octadecyl dimethylamine	Alkyl (C20-C22) dimethylamines
APPEARANCE	Clear Liquid	Clear Liquid	Clear Liquid	Clear Liquid	Clear Liquid	Clear Liquid	Clear Liquid	White Solid
Packing	165 Kg Drum/ISO	165 Kg Drum/ISO	165 Kg Drum/ISO	165 Kg Drum/ISO	165 Kg Drum/ISO	165 Kg Drum/ISO	165 Kg Drum/ISO	165 Kg Drum/ISO

OLEO & TERTIARY AMINES DERIVATIVES

PRODUCT NAME	VEGAROL SCI 65/ 80/ 85	VITACID SLI 80	VEGAROL LAE1214 02	VEGAROL LAE1214 07	VEGAROL CSE 20/ 25	VEGAROL BT 80	VEGAROL CT 25
CHEMICAL NAME	Sodium salt of ester of sodium isethionate with fatty acid of coconut carbon chain blend or blendequivalent	Sodium lauroyl isethionate	Lauryl alcohol Ethoxylate 2 mole	Lauryl alcohol Ethoxylate 7 mole	Cetostearyl alcohol Ethoxylate 20/ 25 moles	Behentrimonium Chloride	Cetrimonium Chloride
APPEARANCE	White to off White Solid	White to off White Solid	Colourless liquid	Colourless liquid	White to off white flakes	White to off White Solid	Colourless liquid
Packing	25Kg bags/ Jumbo bags	25Kg bags/ Jumbo bags	190Kg HMDPE Drum/ ISO Tank	200Kg HMDPE Drum/ ISO Tank	25kg paper bag	20 Kg Box	165 Kg Drum/ISO

#BTAC & CTAC are under development

EMULSIFYING WAX

Trade Name	Specification standard	Description
VEGAROL EW 100	CETOMACROGOL EMULSIFYING WAX BP (Nonionic Emulsifying Wax) Complies as per BP 2021 specifications	A white or almost white, waxy solid or pastilles. Practically insoluble in water, producing an emulsion: moderately soluble in ethanol (96%) partly soluble in ether
VEGAROL EW 200	EMULSIFYING WAX (Anionic Emulsifying wax) Tested as per BP 2021 specifications	An almost white or pale-yellow pastilles/ Flakes, becoming plastic when warmed. Practically insoluble in water, forming an emulsion: partly soluble in ethanol (96%)
VEGAROL EW 300	EMULSIFYING WAX NF (Nonionic Emulsifying Wax-NF) Complies as per USP 43 NF 38 specifications	Emulsifying wax is a waxy solid/ pastilles prepared from Cetostearyl Alcohol containing a polyoxyethylene derivative of a fatty acid ester of sorbitan
VEGAROL Hydrosoft	Proprietary blend	It is a Proprietary blend of Cetyl alcohol combined with the viscosity building effect of Stearyl alcohol as an effective thickener

FATTY ALCOHOLS : FUNCTIONS & ITS APPLICATION

FUNCTION & APPLICATION		APPLICATION INDUSTRY
TRADE NAME	GENERIC NAME	
Vegarol 1099	Decyl alcohol 99%	Cosmetics/ Fragrance & Flavours/ Pharmaceuticals/ Lube/ Textiles/ Agrochemicals, etc.
Vegarol 1214	Lauryl Myristyl Alcohol(C1214)	Wide application - intermediate for cosmetics/ personal care/ detergent etc.
Vegarol 1216	Lauryl Myristyl Alcohol with Cetyl(C12 to C16)	Wide application - intermediate for cosmetics/ personal care/ detergent etc.
Vegarol 1218	Lauryl Myristyl Alcohol with Cetyl & Stearyl (C12 to C18)	Wide application - intermediate for cosmetics/ personal care/ detergent etc.
Vegarol 1618 TA	Cetostearyl alcohol (C1618 30/70)	Cosmetics/ personal care/ pharmaceuticals/ coatings/ metalworking fluids/rolling oils/ mining chemicals/ paper & textiles/ etc.
Vegarol 1618 (50:50)	Cetostearyl alcohol (C1618 50/50)	Cosmetics/ personal care/ pharmaceuticals/ coatings/ metalworking fluids/ rolling oils/ mining chemicals/ paper & textiles/ etc.
Vegarol 1618 PS	Cetostearyl alcohol (C1618 60/40)	Cosmetics/ personal care/ pharmaceuticals/ coatings/ metalworking fluids/ rolling oils/ mining chemicals/ paper & textiles/ etc.
Vegarol 1698	Cetyl alcohol 98% (C16 98)	Cosmetics/ personal care/ pharmaceuticals/ coatings/ metalworking fluids/ rolling oils/ mining chemicals/ food/ paper & textiles/ polymeretc.
Vegarol 1699	Cetyl alcohol 99% (C16 99)	Cosmetics/ personal care/ pharmaceuticals/ coatings/ metalworking fluids/ rolling oils/ mining chemicals/ food/ paper & textiles/ polymeretc.
Vegarol 1898	Stearyl alcohol 98% (C18 98)	Cosmetics/ personal care/ pharmaceuticals/ coatings/ metalworking fluids/rolling oils/ mining chemicals/ food/ paper & textiles/ polymeretc.
Vegarol 1899	Stearyl alcohol 99% (C18 99)	Cosmetics/ personal care/ pharmaceuticals/ coatings/ metalworking fluids/ rolling oils/ mining chemicals/ food/ paper & textiles/ polymeretc.
Vegarol 1822	Behenyl alcohol (C1822)	Cosmetics (generally for sunscreen)/ personal care/ pharmaceuticals/ oil field textiles etc.
Vegarol 2270	Behenyl alcohol (C22 70)	Cosmetics (generally for sunscreen)/ personal care/ pharmaceuticals/ oil field textiles etc.
Vegarol 2280	Behenyl alcohol (C22 80)	Cosmetics (generally for sunscreen)/ personal care/ pharmaceuticals/ oil field textiles etc.
Vegarol 2290	Behenyl alcohol (C22 90)	Cosmetics (generally for sunscreen)/ personal care/ pharmaceuticals/ oil field textiles etc.
Vegarol 2022	Arachidyl Behenyl alcohol	Cosmetics/ personal care/ pharmaceuticals etc.
Vegarol 20	Arachidyl alcohol 90%	Personal care/ pharmaceuticals/ Mining/ Coatings/ Metalworking fluids/ Paper/ Textile/ Plastic/ Agrochemicals,etc.
Vegarol 2095	Arachidyl alcohol 95%	Personal care/ pharmaceuticals/ Mining/ Coatings/ Metalworking fluids/ Paper/ Textile/ Polymer/ Agrochemicals/ Construction, etc.

FATTY ACIDS : FUNCTIONS & ITS APPLICATION

PRODUCT NAME	GENERIC NAME	FUNCTION & APPLICATION	APPLICATION INDUSTRY
Caproic Acid 50%	Caproic 50 (C6 50%)	Used as inhibitor in production of polyester plasticizer. Used as flavoring and Perfuming Agent.	Perfume/ flavours/ polyester/ metalworking fluids etc
Caprylic Acid 99%	Caprylic 99 (C8 99%)	Used as disinfectant, algaecide, bactericide, etc	Surface cleaner/ home care/ agrochemicals
Capric Acid 99%	Capric 99 (C10 99%)	Intermediate for manufacturing of esters for artificial fruit flavours and for synthesis of other organic chemicals	Perfumes/ lubricants/ rubber/ food additive/ pharmaceuticals etc.
Caprylic-Capric Acid	Caprylic Capric (C810 60/40)	Intermediates for Medium Chain Triglycerides/ Caprylic-Capric Triglyceride manufacturing, Glycerol Esters, Polyol Esters, Solubilizer for mineral oil, Corrosion inhibitors etc	Cosmetics/ personal care/ food & flavours/ lubricants/ metalworking fluids
Lauric Acid 99%	Lauric 99 (C12 99%)	Used as Soaping agent, foaming agent in Shaving cream, Liquid Soap, Intermediate for Non-ionic Surfactants (Fatty Acid Ethoxylates), Amphoteric Surfactants (Betaines, Imidazoles, etc)	Personal care/ textiles / food & beverages etc.
Myristic Acid 99%	Myristic 99 (C14 99%)	Used as Soaping agent, foaming agent in Shaving cream, Liquid Soap, Surface Cleaners. Intermediate for Non-ionic Surfactants (Fatty Acid Ethoxylates), Amphoteric Surfactants (Betaines, Imidazoles, etc)	Personal care/ home care / textiles etc.
Stearic Acid 90%	Stearic 90 (C18 90%)	Used as foam stabilizer, Emulsifier, Opacifier, Viscosifier, Intermediates for Glycerol, Polyol and other Esters, Cationic Surfactants (Fatty Acid Ester Quats), Non-ionic Surfactants, etc.	Personal care/ metal working fluids/ oil & gas/ textiles etc.
Vegacid Superflex	Proprietary blend	Additive in manufacturing of Styrene- Butadiene- Rubber (SBR)	Rubber industry
Vegacid S	Proprietary blend	Used as Emulsifier, Solubilizer, Corrosion Inhibitor, Stabilizer in Metal cutting oil and other lubricants. Intermediate for variety of process additives.	Lubricants/ cosmetics/ oilfield/ textile auxiliaries/ rubber/ paints & coatings/ pharmaceuticals/ mining industry etc.
Oleic 60	Oleic 60 (C18: 1 60%)	Used as Emulsifier , Solubilizer, Corrosion Inhibitor, Stabilizer in Metal cutting oil and other lubricants. Intermediate for variety of process additives.	Lubricants/ cosmetics/ oilfield/ textile auxiliaries/ rubber/ paints & coatings/ pharmaceuticals/ mining industry etc.
Palmitic Acid 98%	Palmitic 98 (C16 98%)	Used as Emulsifier in Creams & Lotions. As a supplement in Dairy Cattle Feed Intermediate for variety of Esters and amides	Cosmetics/ personal care/ pharmaceuticals/ animal feed
Palmitic Acid 85%	Palmitic 85 (C16 85%)	Used as Emulsifier in Creams & Lotions. As a supplement in Dairy Cattle Feed Intermediate for variety of Esters and amides	Cosmetics/ personal care/ pharmaceuticals/ animal feed
Stearic Acid (UTSR)	Stearic acid rubber grade	Used in tyre manufacturing	Tyre/ rubber industry
DFA 1218	Distilled Fatty Acid (C12 45%)	Used in Soap manufacturing and Leather chemicals	Cosmetics/ personal care/ leather industry etc.
Stearic Acid (DTP-7)	Stearic acid (C1618 30/50)	Used as foam stabilizer, Emulsifier, Opacifier, Viscosifier, Intermediates for Glycerol, Polyol and other Esters, Cationic Surfactants (Fatty Acid Ester Quats), Non-ionic Surfactants, Amides,etc.	Cosmetics/ personal care/ pharmaceuticals/ polymers & plastics/ textile auxiliaries
Stearic Acid (DTP-CT)	Stearic acid (C1618 35/65)	Used as foam stabilizer, Emulsifier, Opacifier, Viscosifier. Intermediates for Glycerol, Polyol and other Esters, Cationic Surfactants (Fatty Acid Ester Quats), Non-ionic Surfactants, Amides,etc.	Cosmetics/ personal care/ pharmaceuticals/ polymers & plastics/ textile auxiliaries
Stearic Acid (P12)	Stearic acid (C1618 55/45)	Used as foam stabilizer, Emulsifier, Opacifier, Viscosifier. Intermediates for Glycerol, Polyol and other Esters, Cationic Surfactants (Fatty Acid Ester Quats), Non-ionic Surfactants, Amides,etc.	Cosmetics/ personal care/ pharmaceuticals/ polymers & plastics/ textile auxiliaries
Oleic Acid K	Oleic 70 (C18:1 70%)	Used as Emulsifier, Solubilizer, Corrosion Inhibitor, Stabilizer in Metal cutting oil and other lubricants. Intermediate for variety of process additives like Oleamides.	Lubricants/ cosmetics/ oilfield/ textile auxiliaries/ rubber/ paints & coatings/ pharmaceuticals/ mining industry etc.
Vegacid 1880	Oleic 20 Grade 1 (C18:1 20%)	Used as Emulsifier, Solubilizer, Corrosion Inhibitor, Stabilizer in Metal cutting oil and other lubricants. Intermediate for variety of process additives.	Lubricants/ cosmetics/ oilfield/ textile auxiliaries/ rubber/ paints (Alkyd Resin mfg.) & coatings/ pharmaceuticals/ mining industry etc.
Vegacid 1890	Oleic 20 Grade 2 (C18:1 20%)	Used as Emulsifier, Solubilizer, Corrosion Inhibitor, Stabilizer in Metal cutting oil and other lubricants. Intermediate for variety of process additives.	Lubricants/ cosmetics/ oilfield/ textile auxiliaries/ rubber/ paints (Alkyd Resin mfg.) & coatings/ pharmaceuticals/ mining industry etc.
Erucic Acid-90%	Erucic 90 (C22:1 90%)	Used by derivatizing it into amide like Erucamide and other speciality additives	Plastic and polymer/ food/ textiles/ lubricants/ paints/ ink/ etc
Erucic Acid-70%	Erucic 70 (C22:1 70%)	Used by derivatizing it into amide like Erucamide and other speciality additives	Plastic and polymer/ food/ textiles/ lubricants/ paints/ ink/ etc
Behenic Acid 90	Behenic 90 (C22:0 90%)	Used by derivatizing it into esters, Quats, Silver Salts and other speciality additives	Personal care/ cosmetics/ paper industry/ fabric care & industrial surfactants/ food/ photographic film industry etc.
Behenic Acid 8590	Behenic 8590 (C22:0 85%)	Used by derivatizing it into esters, Quats, Silver Salts and other speciality additives	Personal care/ cosmetics/ paper industry/ fabric care & industrial surfactants/ food/ photographic film industry etc.

GLYCERIN: FUNCTIONS & ITS APPLICATION

TRADE NAME	GENERIC NAME	FUNCTIONS & ITS APPLICATION	APPLICATION INDUSTRY
GLYCERIN USP/BP/IP/CP/EP	Glycerin	It has wide range of application. Used as humectants, humidifier, plasticizer. Intermediate in the production of propylene glycol, Glycerol esters, Epichlorohydrin, nitroglycerine, and acrolein.	Personal care/ cosmetics/ pharmaceuticals/ beverages/ tobacco/ coatings/ paper/ lubricants etc.

EMULSIFYING WAX: FUNCTIONS & ITS APPLICATION

TRADE NAME	DESCRIPTION	FUNCTIONS & ITS APPLICATION	APPLICATION INDUSTRY
VEGAROL EW 100	Cetomacrogol Emulsifying wax BP (Non-ionic emulsifying wax)	Emollient, carrier, excipient in Skin creams, antiperspirants, depilatories, hair conditioners, relaxers & dyes	Cosmetics/ personal care/ pharmaceuticals
VEGAROL EW 200	Emulsifying wax (Anionic emulsifying wax)	Emollient, carrier, excipient in Skin care, sun care, depilatories, etc.	Cosmetics/ personal care/ pharmaceuticals
VEGAROL EW 300	Emulsifying wax NF (Nonionic emulsifying wax-NF)	Emollient, carrier, excipient in Lotion and cream	Cosmetics/ personal care/ pharmaceuticals
VEGAROL HYDROSOFT	Proprietary blend	Emulsifier + Emollient gives elegant skin feel, described by users as silky, soft with no sticky or tacky feel on skin	Cosmetics/ personal care/ pharmaceuticals

OLEO DERIVATIVES: FUNCTIONS & ITS APPLICATION

TRADE NAME	DESCRIPTION	FUNCTIONS & ITS APPLICATION	APPLICATION INDUSTRY
VEGAROL SCI 65	Sodium salt of ester of sodium isethionate with fatty acid of coconut carbon chain blend or blend equivalent.	As surfactant, create wet feeling, solubilizes oil, and reduces surface tension, also aid in foaming	Personal care like shampoos shower gels, bubble bath, Liquid soaps baby products & syndet bars
VEGAROL SCI 80	Sodium salt of ester of sodium isethionate with fatty acid of coconut carbon chain blend or blend equivalent.	As surfactant, create wet feeling, solubilizes oil, and reduces surface tension, also aid in foaming	Personal care like shampoos shower gels, bubble bath, Liquid soaps baby products & syndet bars
VEGAROL SCI 85	Sodium salt of ester of sodium isethionate with fatty acid of coconut carbon chain blend or blend equivalent.	As surfactant, create wet feeling, solubilizes oil, and reduces surface tension, also aid in foaming	Personal care like shampoos shower gels, bubble bath, Liquid soaps baby products & syndet bars
VEGACID SLI 80	Sodium salt of ester of sodium isethionate with fatty acid of coconut carbon chain blend or blend equivalent.	As surfactant, create wet feeling, solubilizes oil, and reduces surface tension, also aid in foaming	Personal care like shampoos shower gels, bubble bath, Liquid soaps baby products & syndet bars
VEGAROL 1298 TAM	Dodecyl dimethylamine	Quaternary ammonium compounds, Amine oxides and Betaines	Home & Personal Care/ Agro chemicals/ Textile Auxiliaries/Water treatment/ Sugar/ Paper & Pulp Industry, etc.
VEGAROL 1498 TAM	Tetradecyl dimethylamine	Quaternary ammonium compounds, Amine oxides and Betaines	Home & Personal Care/ Agro chemicals/ Textile Auxiliaries / Water treatment/ Sugar/ Paper & Pulp Industry, etc.
VEGAROL 1265 TAM	Dodecyl & Tetradecyl dimethylamine	Quaternary ammonium compounds, Amine oxides and Betaines	Home & Personal Care/ Agro chemicals/ Textile Auxiliaries / Water treatment / Sugar / Paper & Pulp Industry, etc.
VEGAROL 1270 TAM	Dodecyl & Tetradecyl dimethylamine	Quaternary ammonium compounds, Amine oxides and Betaines	Home & Personal Care/ Agro chemicals/ Textile Auxiliaries / Water treatment/ Sugar/ Paper & Pulp Industry, etc.
VEGAROL 1698 TAM	Hexadecyl dimethylamine	Quaternary ammonium compounds, Amine oxides and Betaines	Home & Personal Care/ Agro chemicals/ Textile Auxiliaries / Water treatment/ Sugar/ Paper & Pulp Industry, etc.
VEGAROL 1898 TAM	Octadecyl dimethylamine	Quaternary ammonium compounds, Amine oxides and Betaines	Home & Personal Care/ Agro chemicals/ Textile Auxiliaries / Water treatment/ Sugar/ Paper & Pulp Industry, etc.
VEGAROL 1870 TAM	Hexadecyl & Octadecyl dimethylamine	Quaternary ammonium compounds, Amine oxides and Betaines	Home & Personal Care/ Agro chemicals/ Textile Auxiliaries/Water treatment/ Sugar/ Paper & Pulp Industry, etc.
VEGAROL 2280 TAM	Alkyl (C20-C22) dimethylamines	Quaternary ammonium compounds, Amine oxides and Betaines	Home & Personal Care/ Agro chemicals/ Textile Auxiliaries/Water treatment/ Sugar/ Paper & Pulp Industry, etc.
VEGAROL BT 80	Behentrimonium Chloride	Used as an antistatic, hair conditioning, emulsifier, or preservative agent	Beauty, Bath & Shower, Skin Care, Hair Care
VEGAROL CT 25	Cetrimonium Chloride	Used as a preservative, antistatic agent, antiseptic, and disinfectant	Beauty, Bath & Shower, Colour Cosmetics, Hair Care, Home Care

Sustainability and Environment

Long-term sustainability for VVF rests on 3 pillars – Environmental, Social and Economic.

VVF is a registered member of RSPO and has the RSPO – SCC MassBalance certification. VVF also prides itself in energy saving and green manufacturing practices.

The company's processing and manufacturing unit is methanol free and chromium free. The effluent treatment plant and captive power generation plant have made the company a role model and VVF is on the advisory panel within the Industrial estate in Mumbai – India.

VVF's believes in fair trade and fair business practices making it a sustainable business partner.

The company's strict code of conduct enforces a no child labour or forced labour policy and protection of human rights with no discrimination or harassment at the work place.

We are the recipients of the SAFE TECH AWARD 2019 – A National Level award for Best Worker Safety Measures.

VVF Cares

VVF : UPLIFTING COMMUNITIES – An initiative by VVF and the Anarde Foundation giving back to the local farmer communities and working together towards a better future. It is a program aimed at the uplifting of the local Indian mustard seed farmer, their families and the local community through social and economic development projects and initiatives planned throughout the year.

CHILDREN FOR CHANGE – An initiative by VVF Children for Change is our contribution to the future generations of our country.

It is a program aimed at building a better future for our nation, by creating and spreading awareness on basic health and hygiene issues.

We believe that when you educate a child, you educate a nation. Children are great influencers of society. By teaching and encouraging children to follow proper health and hygiene practices, we're trying to create a ripple effect whereby these children will pass on the information to their families, friends and others, who will carry it forward to future generations.

Our Oleochemical Locations:

India | Indonesia | Singapore | USA

OUR SUPPLY FOOTPRINT



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