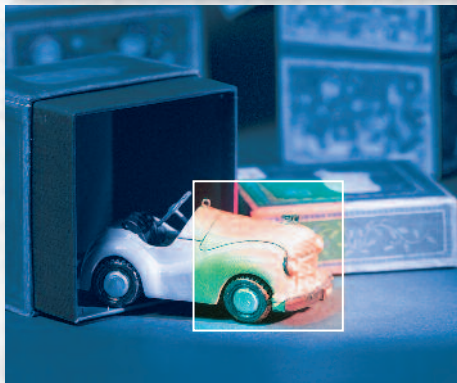


FACI METALEST, S.L.U.

 **FACI**®
GROUP





FACI.

Guaranteed Quality, Respect for the Environment



FACI Group is a global company which still retains its family owned status. This assures focus and commitment on cost competitiveness, prompt decisions, resiliency to economic cycles and allows flexibility in adapting a business model that follows the evolving market needs without compromising either quality or the fundamental values of sustainable business.





FACI Group has had deep roots in the bio based economy since its foundation. All FACI products and processes comply with the latest standards of sustainability and are sourced from renewable feedstock.

Calcium Stearates

	ASH	FREE FATTY ACIDS	MOISTURE	SIEVE RESIDUE %	TYPICAL BULK DENSITY	Description
GRADE	%	%	%	325 mesh	g/l	
M-205 ST	9.5-11.0	≤1.0	≤1.5	≤1.0	250-300	Standard tallow based
M-205 STV	9.5-11.0	≤1.0	≤1.5	≤1.0	250-300	Standard vegetal based
M-205 PP	9.2-10.2	≤0.5	≤3.0	≤0.1	≤230	Lower ash content, tallow based
M-205 SM	9.5-11.0	≤1.0	≤1.5	≤10*	350-400	Bigger particle size
M-205 OF	9.5-11.0	≤1.0	≤1.5	≤1.0**	200-250	Smaller particle size
CA ST VEG	9.2-10.2	≤0.5	≤3.0	≤0.1	≤230	Lower ash content, vegetal based
M-205 D	9.5-11.0	≤1.0	≤1.5	≤1.0	250-300	Special for dispersion
CA ST PRILL	9.5-10.5	≤1.0	≤2.0	non dusting microbeads	500-750	Non dusting

* Sieve residue at 100 mesh
** Sieve residue at 400 mesh

Zinc Stearates

	ASH	FREE FATTY ACIDS	MOISTURE	SIEVE RESIDUE %	TYPICAL BULK DENSITY	Description
GRADE	%	%	%	325 mesh	g/l	
M-305	13.2-14.2	≤2.0	≤1.0	≤1.0	240-280	Standard tallow based
M-305 V	13.2-14.2	≤2.0	≤1.0	≤1.0	240-280	Standard vegetal based
M-305 SM	13.2-14.2	≤2.0	≤1.0	-	320-380	Bigger particle size, tallow based
M-EB	13.2-14.2	-	≤1.0	≤1.0*	200-250	Special for varnishes, vegetal
M-SV	13.2-14.2	-	≤1.0	≤1.0*	200-250	Special for varnishes, tallow
M-303	14.0-15.0	≤1.5	≤0.8	≤5.0	130-180	Higher ash content
ZN ST PRILL	13.2-14.2	≤3.0	≤2.0	non dusting microbeads	550-800	Non dusting

* Sieve residue at 400 mesh

Magnesium Stearates

	ASH	Mg Content	MELTING POINT	FREE FATTY ACIDS	MOISTURE	SIEVE RESIDUE %	TYPICAL BULK DENSITY	Description
GRADE	%	%	°C	%	%	325 mesh	g/l	
M-125	7.8-8.8	4.0-5.0	130-140	≤3.0	≤4.0	≤1.0	300-350	Standard tallow based
M-125 V	7.8-8.8	4.0-5.0	130-140	≤3.0	≤4.0	≤1.0	300-350	Standard vegetal based

“

The continuous desire and propensity for finding the best balance between quality, competitiveness and sustainability is the driver of our daily activities and has existed in the company's culture since its foundation.

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Aluminum Stearates

	ASH	MELTING POINT	FREE FATTY ACIDS	MOISTURE	SIEVE RESIDUE %	TYPICAL BULK DENSITY	GEL VISCOSITY	VEGETAL ORIGIN	Description
GRADE	%	°C	%	%	100 mesh	g/l	cPs		
M-132 HG	10.5-12.5	160-170	≤5.8	≤1	≤10	250-300	≥24.000	-	High gel viscosity (DI)
M-132 HGV	10.5-12.5	160-170	≤5.8	≤1	≤10	250-300	≥24.000	•	High gel viscosity (DI)
M-132 DF	9.0-11.0	150-160	3.0-9.0	≤1.0	≤10	300-450	-	-	Tallow based (DI)
M-132 DFV	9.0-11.0	150-160	3.0-9.0	≤1.0	≤10	300-450	-	•	Vegetal based (DI)
M-132	10.8-13.8	150-170	≤5.8	≤2	≤10	250-300	-	-	Standard grade (DI)
M-132 V	10.8-13.8	150-170	≤5.8	≤2	≤10	250-300	-	•	Standard grade (DI)
M-132 AKCT	10.0-11.0	165-175	3-5	≤2	-	180-280	-	-	Tallow based, low ash content (DI)
M-132 AKC	9.7-11.2	-	≤5.0	≤1.5	≤10	250-300	-	•	Vegetal based, low ash content (DI)
M-132 PF	9.2-9.8	158-165	≤8	≤1.0	≤10	250-300	≥24.000	•	Vegetal based, low ash content (DI)
M-132 SDS	11.2-12.8	160-170	≤7.0	≤2	≤10	250-300	-	•	High ash content (DI)
M-133	9.5-11.5	140-150	≤8	≤1	≤10	250-300	≥20.000	-	Tallow based (DI)
M-133 RP	9.5-11.5	140-150	≤6	≤1	≤10	250-300	≥20.000	-	Tallow based (DI)
M-133 HEP	8.0-9.5	150-160	5.0-10.0	≤1.0	≤3*	300-460	-	•	Veg. based, creams for animals (TRI)
M-136 BFN	7.5-9.0	-	12.0-16.0	≤1.5	-	-	-	•	Veg. based, cosmetic creams (TRI)
M-133 DFHE	8.0-9.5	145-160	5.0-9.0	≤1.0	≤10	300-450	-	-	Tallow based (DI)
M-136	8.0-10.0	120-140	10-15	≤2	≤5	280-320	-	-	Tallow based, standard grade (TRI)
M-136 TH	7.0-9.0	125-140	12.0-16.0	≤1.0	≤6	320-480	-	-	Tallow based (TRI)
M-136 V	8.0-10.0	120-140	10-15	≤2	≤5	280-320	-	•	Veg. based, standard grade (TRI)
M-136 BF	7.5-9.0	-	16.0-20.0	≤1.5	-	-	-	•	Vegetal based (TRI)
M-136 BFT	7.5-9.0	-	16.0-20.0	≤2.0	-	-	-	-	Tallow based (TRI)
ANTIPOSO	10.5-16.0	110-150	≤15	≤3	≤10	250-300	-	-	Tallow based, thickener for paints

* Sieve residue at 60 mesh

Sodium Stearate

	ASH	SULPHATED ASHES	IODINE VALUE	FREE FATTY ACIDS	MOISTURE	SIEVE RESIDUE AT 50 MESH	TYPICAL BULK DENSITY	C 16 CONTENT	C 18 CONTENT	Description
GRADE	%	%	glz/100g	%	%	%	g/l	%	%	
M-526 ND	9-14	21.0-32.0	≤1	≤1	≤2	≥40	450-650	40-50	50-60	Veg. based non dusting
M-526 E	9-14	21.0-32.0	-	≤3	≤5	-	450-650	-	-	Veg., food grade

Sodium Oleate

	SULPHATED ASH	IODINE VALUE	FREE ALKALINITY	MOISTURE	TYPICAL BULK DENSITY	Description
GRADE	%	glz/100g	as NaOH	%	g/l	
M-NSP	22.5-24.0	62-67	≤0.4	≤4	≥250	Prill
Sodium Oleate S	22.5-24.0	-	≤0.4	≤4	≥250	Powder

12 Hidroxy Stearates

	ASH	MELTING POINT	FREE FATTY ACIDS	MOISTURE	SIEVE RESIDUE %	TYPICAL BULK DENSITY	Description
GRADE	%	°C	%	%	325 mesh	g/l	
CALCIUM	9.0-10.0	140-150	≤1.0	≤2.5	≤1.0	250-300	Solid - solid process
ZINC	13.1-14.2	-	≤2.5	-	≤1	-	Solid - solid process



The keys of our success are continuous technical development, close attention to the quality standards of our chemicals and their production process, an open-minded approach to local and international markets, a close cooperation with our customers and adhering to a long-term business view which goes beyond a generation.



Pharma - Food additive

	FREE FATTY ACIDS	FINES SAVED IN 325 MESH	SPECIFIC SURFACE AREA	VEGETAL ORIGIN	FOOD ADDITIVE	PHARMACOPEIA	Description
GRADE	%	%	m ² /g				
M-205 NF	-	-	-	●	-	USP	Calcium stearate
M-205 EP	-	-	-	●	-	USP/EP	Calcium stearate
M-205 E	≤1	-	-	●	E-470 a	USP/EP	Calcium stearate food grade
M-125 NF	-	≤1.0	-	●	-	USP	Magnesium stearate
MG ST VEG HSEP	-	≤1.0	≥8	●	-	USP/EP	Magnesium stearate high specific surface area (10-15 m ² /g typical value)
M-125 E	≤1	≤1.0	≥8	●	E-470 b	USP/EP	Magnesium stearate food grade
MG ST VEG MSEP	-	-	6-10	●	-	USP/EP	Magnesium stearate medium specific surface area (6-10 m ² /g)
MG ST VEG XSEP*	-	≤1.0	15-20	●	-	USP/EP	Magnesium stearate extra high specific surface area (15-20 m ² /g)
M-303 NF	-	-	-	●	-	USP/EP	Zinc stearate
M-526 E	≤3	-	-	●	E-470 a	-	Sodium stearate food grade
M-527 E	≤3	-	-	●	E-470 a	-	Potassium stearate food grade

* Product development

Liquid Stearate Dispersions

	Dry Content	VISCOSITY 25 °C	DENSITY 20 °C	pH 2%	VEGETAL ORIGIN	Description
GRADE	%	cPs	g/l			
Ca 30%	29-31	≤100	1000-1030	-	-	Calcium stearate dispersion
Ca 40%	39-41	-	1000-1030	-	-	Calcium stearate dispersion
Ca 50%	48-52	≤200	1000-1080	-	-	Calcium stearate dispersion
Ca 50% V	49-51	-	1000-1050	8.0-11.5	●	Calcium stearate dispersion, vegetal grade
Ca 50% VFC	48-52	≤2000	1000-1050	8-13	●	Calcium stearate dispersion, vegetal food contact
Mg 30%	28-32	-	950-1050	-	-	Magnesium stearate dispersion
AL 30%	29-31	≤400	950-1050	7-10	-	Aluminum stearate dispersion
K 15%	14.5-15.5	-	990-1050	-	-	Potassium soap dispersion
K 35%	33-37	≤300	1000-1080	8-11.5	●	Potassium soap dispersion



ESTERS

2 - Ethylhexanol Esters - Palmitates

	ACID VALUE	COLOUR APHA	WATER CONTENT	SAP. VALUE	IODINE VALUE	FREE ALCOHOL	ODOUR	CLOUD POINT	Description
GRADE	mgKOH/g	N°	%	mgKOH/g	gl/100g	ppm		°C	
EHP 99	≤0.2	≤20	≤0.1	150-155	≤1	≤60	Odourless	≤0	
EHP	≤0.5	≤100	≤0.1	150-155	≤1	≤500	-	-	Technical grade

2 - Ethylhexanol Esters - Stearates

	ACID VALUE	COLOUR APHA	WATER CONTENT	DENSITY 20 °C	SAP. VALUE	IODINE VALUE	VISCOSITY 20 °C	FREE ALCOHOL	ODOUR	CLOUD POINT	Description
GRADE	mgKOH/g	N°	%	g/l	mgKOH/g	gl/100g	cPs	ppm		°C	
EHS 99	≤0.2	≤30	≤0.1	-	144-152	≤1	-	≤60	Odourless	≤5	
EHS	≤0.5	≤100	≤0.1	854-860	144-152	≤1	14-16	≤500	-	≤5	Technical grade

2 - Ethylhexanol Esters - Oleates

	ACID VALUE	COLOUR GARDNER	HYDROXYL VALUE	SAP. VALUE	IODINE VALUE	VISCOSITY 40 °C	FREE ALCOHOL	CLOUD POINT	POUR POINT	Description
GRADE	mgKOH/g	N°	mgKOH/g	mgKOH/g	gl/100g	cStokes	ppm	°C	°C	
EHOT	≤0.5	≤6	≤0.8	140-150	63-71	-	≤100	-	≤-30	Oleic ac. from tallow
EHO 99	≤1.0	≤6	≤3	145-165	58-72	-	≤100	≤0	-	Oleic ac. from olive oil
EHO/NO	≤1.0	≤6	≤3	140-170	58-100	-	≤100	≤0	-	Oleic acid. from no olive oil
EHOP	≤1.0	≤2	≤3	140-150	58-80	7.0-9.0	≤100	≤-5	≤-30	Oleic acid. from palm oil



2 - Ethylhexanol Esters - Fatty acids tallow

	ACID VALUE	COLOUR GARDNER	DENSITY 20 °C	HYDROXYL VALUE	SAP VALUE	IODINE VALUE	VISCOSITY 20 °C	FREE ALCOHOL	CLOUD POINT	Description
GRADE	mgKOH/g	N°	g/l	mgKOH/g	mgKOH/g	gl/100g	cStokes	ppm	°C	
EHT	≤1.0	≤4	861-865	≤3	146-154	32-42	15-17	≤0.2	≤-4	Tallowate

2 - Ethylhexanol Esters - Others

	ACID VALUE	COLOUR APHA	WATER CONTENT	DENSITY 25 °C	HYDROXYL VALUE	SAP VALUE	2- ETHYLHEXANOL FREE	CLOUD POINT	Description
GRADE	mgKOH/g	N°	%	g/l	mgKOH/g	gl/100g	ppm	°C	
EHC TG	≤1	≤200	≤0.50	857-861	≤5	-	-	-	Cocoate, technical grade
EHC	≤1	≤50	≤0.50	857-861	≤5	165-185	-	-	Undistilled cocoate
EHC DT	≤0.2	≤40	≤0.05	≤860	≤1	170-178	≤1500	≤-10	Distilled topped cocoate
DOA	≤0.2	≤40	-	-	-	298-306	-	-	Adipate
DOS	≤0.5	≤220	≤0.05	-	-	260-270	-	-	Sebacate

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FACI is a global Group of Companies,
active in the production and marketing
of bio based (oleo) chemical additives since 1943.

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N- Butanol Esters

	ACID VALUE	COLOUR APHA	WATER CONTENT	HYDROXYL VALUE	SAPONIFICATION VALUE	IODINE VALUE	Description
GRADE	mgKOH/g	N°	%	mgKOH/g	mgKOH/g	glz/100 g	
NBS	≤0.20	≤50	≤0.1	≤1	168-175	≤0.5	Stearate
DBSE	≤0.3	≤100	≤0.1	-	-	-	Sebacate
NBO	≤1.0	-	-	-	-	69-78	Oleate

Isobutanol Esters

	ACID VALUE	COLOUR APHA	VISCOSITY 40 °C	WATER CONTENT	SAPONIFICATION VALUE	IODINE VALUE	CLOUD POINT	Description
GRADE	mgKOH/g	N°	cSt	%	mgKOH/g	glz/100 g	°C	
IBS	≤0.5	≤130	-	-	165-180	≤1	-	Stearate
IBC	≤0.5	≤150	3-5	≤0.1	200-220	-	≤-10	Cocoate
IBCS	≤0.5	≤3*	4-5	≤0.1	-	-	≤5	Mixture

* Colour Gardner

Isotridecyl Esters

	ACID VALUE	COLOUR APHA	SAP. VALUE	DENSITY 20 °C	VISCOSITY 40 °C	VISCOSITY 100 °C	WATER CONTENT	VISCOSITY INDEX	FREE ALCOHOL	CLOUD POINT	HYDROXYL VALUE	Description
GRADE	mgKOH/g	N°	mgKOH/g	g/l	cSt	cSt	%		%	°C	mgKOH/g	
DITA	≤0.05	≤100	-	909-914	25.5-28.5	5.2-5.5	≤0.05	≥130	≤0.1	≤-55	-	Adipate
ITS	≤0.05	≤100	120-132	-	10-15	-	-	-	-	-	≤10	Stearate

Isodecanol Esters

	ACID VALUE	COLOUR APHA	DENSITY 20 °C	VISCOSITY 40 °C	WATER CONTENT	SAP. VALUE	FLASH POINT	CLOUD POINT	IODINE VALUE	HYDROXYL VALUE	Description
GRADE	mgKOH/g	N°	g/l	cSt	%	mgKOH/g	°C	°C	gI./100g	mgKOH/g	
DIDA	≤0.10	≤30	915-921	13-15	≤0.1	260-266	≥215	≤-60	-	-	Adipate
IDO	≤5.0	≤200	-	-	-	130-140	-	-	55-65	≤2	Oleate





Trimethylpropane Esters

	ACID VALUE	COLOUR GARDNER	VISCOSITY 40 °C	SAP. VALUE	FLASH POINT	FIRE POINT	IODINE VALUE	HYDROXYL VALUE	WATER CONTENT	CLOUD POINT	POUR POINT	Description
GRADE	mgKOH/g	N°	cSt	mgKOH/g	°C	°C	gl./100g	mgKOH/g	%	°C	°C	
TMPO	≤1.0	-	44-50	178-186	≥290	-	-	≤20	≤0.05	-	-	Oleic acid from olive oil
TMPOA	≤1.0	≤4	44-49	178-187	≥315	≥360	80-90	-	≤0.05	≤-24	≤-45	Oleic acid from palm oil
TMPO HV	≤0.7	≤7	61.2-74.8	-	≥285	≥330	-	-	≤0.05	-	≤-40	High viscosity

* Colour Apha

Pentaerythritl Esters

	ACID VALUE	SAP. VALUE	DENSITY	VISCOSITY 40 °C	VISCOSITY 40 °C	IODINE VALUE	WATER CONTENT	HYDROXYL VALUE	POUR POINT	FLASH POINT	FIRE POINT	Description
GRADE	mgKOH/g	mgKOH/g	g/l	cSt	cPs	gl./100 g	%	mgKOH/g	°C	°C	°C	
PEMO	≤2.0	-	910-970	65-88	60-80	80-110	≤0.05	-	≤-20	≥200	-	Fatty acids, C16-18 and C18-unsatd., esters with pentaerythritol

Dedicated products for Cosmetics

Product	Chemical Composition	Physical form	EMOLLIENT	SKIN CONDITIONER	EMULSION STABILISER	HAIR CONDITIONER	SOLVENT - CARRIER VISCOSITY CONTROLLER	DISPERSANT	CONSISTENCY AGENT OPACIFIER	ANTICAKING AGENT
EHC	Ethyl Hexyl Cocoate	Liquid								
EHP 99	Ethyl Hexyl Palmitate	Liquid								
EHS 99	Ethyl Hexyl Stearate	Liquid								
EHO 99	Ethyl Hexyl Oleate	Liquid								
DOS	Di Octyl Sebacate	Liquid								
DOA	Di Octyl Adipate	Liquid								
NBS	n Butyl Staearte	Liquid								
IBS	Iso Butyl Stearate	Liquid								
DBSE	Di Butyl Sebacate	Liquid								
NBO	n Butyl Oleate	Liquid								
ITS	Iso Tridecyl Stearate	Liquid								
DIDA	Di Isodecyl Adipate	Liquid								
M-132 HG	Aluminum Stearate	Solid								
M-132 HGV	Aluminum Stearate	Solid								
M-136 TH	Aluminum Stearate	Solid								
M-136 BF	Aluminum Stearate	Solid								
M-136 BFN	Aluminum Stearate	Solid								



Esters for Ceramic Inks

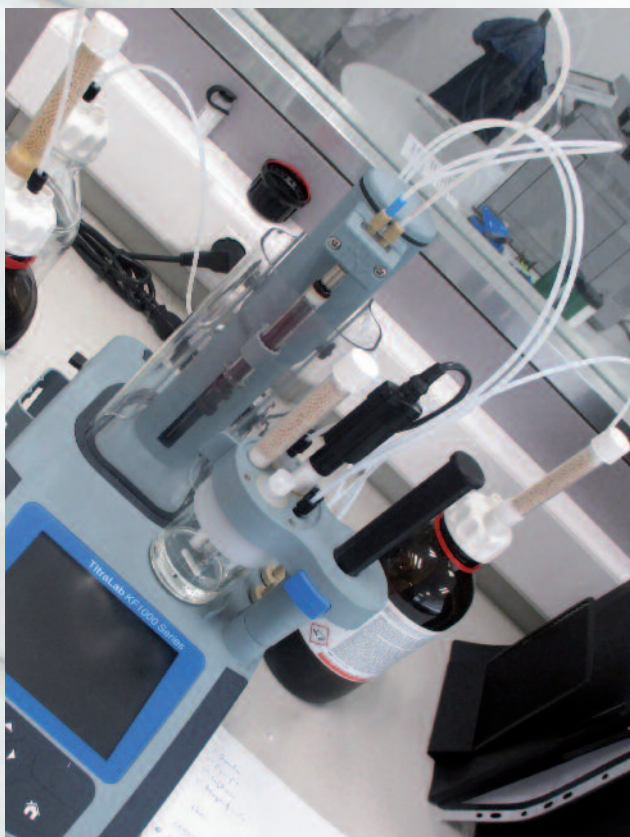
		ACID VALUE	COLOUR APHA	WATER CONTENT	HYDROXYL VALUE	SAP. VALUE	CLOUD POINT	IODINE VALUE	FREE ALCOHOL	VISCOSITY 40 °C	DENSITY 20 °C	FLASH POINT	POUR POINT
		mgKOH/g	N°	%	mgKOH/g	mgKOH/g	°C	g/100 g	ppm	cSt	g/l	°C	°C
DOS	Di Octyl Sebacate	≤0.5	≤220	≤0.05	-	260-270	-	-	-	-	-	-	-80***
DOA	Di Octyl Adipate	≤0.2	≤40	-	-	298-306	-	-	-	-	-	-	-81***
DBSE	Di Butyl Sebacate	≤0.3	≤100	≤0.1	-	-	-	-	-	-	-	-	-8***
ITS	Iso Tridecyl Stearate	≤0.05	≤100	-	≤10	120-132	-	-	-	10-15	-	-	5***
DIDA	Di Isodecyl Adipate	≤0.10	≤30	≤0.1	-	260-266	≤-60	-	-	13-15	915-921	≥215	≤-60
EHL	Ethyl Hexyl Laurate	≤0.5	≤100	≤0.1	-	177-182	-	≤1	≤500	-	-	-	-37***
EHP 99	Ethyl Hexyl Palmitate	≤0.2	≤20	≤0.1	-	150-155	≤0	≤1	≤60	-	-	-	-
EHS	Ethyl Hexyl Stearate	≤0.5	≤100	≤0.1	-	144-152	≤5	≤1	≤500	-	854-860	-	-
EHST	2-Ethyhexyl Stearate	≤0.2	≤6*	≤0.1	-	144-152	≤9	≤3	-	-	-	-	-
TMPO/A	Trimethylopropane oleate	≤1.0	≤4*	≤0.05	-	178-187	≤-24	80-90	-	44-49	-	≥315	≤-45
IBS	Iso Butyl Stearate	≤0.5	≤130	-	-	165-180	-	≤1	-	-	-	-	18***
IBC	Iso Butyl ester	≤0.5	≤150	≤0.1	-	200-220	≤-10	-	-	3-5	-	-	≤-10
IBCS	Iso Butyl esters mixture	≤0.5	≤3*	≤0.1	-	-	≤5	-	-	4-5	-	-	≤5

* Colour Gardner

** at 25 °C

*** Typical valuer





Synthetic lubricants, hydraulics fluids and metal working

Product	Chemical Composition	Metalworking Lubricants	Metaldrawing Lubricants	Neat Oils	Hydraulic fluids	Cutting Fluids	Fiber spinning as lubricant component	Spinning finishes oil agent for textile	Gelling agents for greases	Thixotropic Agents for oils	Antifoaming Agents	Industrial Gear Oils
EHP	2-Ethyl Hexyl Palmitate											
EHP 99	2-Ethyl Hexyl Palmitate											
EHS	2-Ethyl Hexyl Stearate											
EHS 99	2-Ethyl Hexyl Stearate											
EHO 99	2-Ethyl Hexyl Oleate											
EHO/NO	2-Ethyl Hexyl Oleate											
EHT	2-Ethyl Hexyl Tallowate											
EHC	2-Ethyl Hexyl Cocoate											
DOS	Diethyl Sebacate											
DBSE	Dibutyl Sebacate											
ITS	Isotridecil Stearate											
DITA	Di-Isotridecil Adipate											
TOPE	Pentaerythritol Tetraoleate											
PEMO	Pentaerythritol Monooleate											
TMPO	Trimethylolpropane oleate											
TMPO/A	Trimethylolpropane oleate											
NBS	n-Butyl Stearate											
Al St	Aluminum Stearate											
Ca St	Calcium Stearate											

Regulations

	USP	EP	E470a	E470b	ISO 9001	ISO 22000	RSPO
Calcium Stearate							
M-205 ST							
M-205 STV							
M-205 PP							
M-205 SM							
M-205 OF							
M-205 T							
CA ST VEG							
M-205 D							
CA ST PRILL							
M-205 NF							
M-205 EP							
M-205 E							
M-H205 12							
Zinc Stearate							
M-305							
M-305 V							
M-305 SM							
M-EB							
M-SV							
M-303							
ZN ST PRILL							
M-303 NF							
M-H305 12							
Magnesium Stearate							
M-125							
M-125 V							
M-125 S							
M-125 NF							
MG ST VEG HSEP							
M-125 E							
MG ST VEG MSEP							
MG ST VEG XSEP							

Regulations

	USP	EP	E470a	E470b	ISO 9001	ISO 22000	RSPO
Aluminum Stearate							
M-132 HG							
M-132 HGV							
M-132 DF							
M-132 DFV							
M-132							
M-132 V							
M-132 AKCT							
M-132 AKC							
M-132 PF							
M-132 SDS							
M-133							
M-133 RP							
M-133 HEP							
M-133 BF							
M-133 DFHE							
M-136							
M-136 TH							
M-136 V							
M-136 BF							
M-136 BFT							
ANTIPOSO							
Sodium Stearate							
M-526 ND							
M-NSP							
M-526 E							

Regulations

	USP	EP	E470a	E470b	ISO 9001	ISO 22000	RSPO
2-ethylhexanol							
EHP 99							
EHP							
EHS							
EHS 99							
EHOT							
EHO 99							
EHO/NO							
EHOP							
EHO BS							
EHT							
EHC TG							
EHC							
EHC DT							
DOA							
DOS							
n-butanol							
NBS							
DBSE							
NBO							
isobutanol							
IBS							
IBC							
IBCS							
Isotridecyl							
DITA							
ITS							
Isodecanol							
DIDA							
IDO							
TRIMETHYLOLPROPANE							
TMPO							
TMPOA							
TMPO HV							
Others							
PEMO							
TOPE							

Regulations

	USP	EP	E470a	E470b	ISO 9001	ISO 22000	RSPO
Dispersions							
CA 30%							
CA 40%							
CA 50%							
CA 50% V							
CA 50% VFC							
Mg 30%							
AL 30%							
K 15%							
K 35%							

Other products available from the FACI Group



For more products refers to each single FACI brochures

Sodium Oleate

	MELTING POINT	SULPHATED ASHES	SODIUM CONTENT	FREE HYDROXIDE	MOISTURE	TYPICAL BULK DENSITY	PHYSICAL FORM	Description
GRADE	°C	%	%	(as Na ₂ O) %max	% max	g/l		
S	200-210	22.5-24	7.2-7.8	0.4	4	340	powder	Reactive hydrophobic agent
S90	200-210	22.5-24	7.2-7.8	0.4	4	340	powder	Reactive hydrophobic agent
SP	200-210	22.5-24	7.2-7.8	0.4	4	350	non dusting microbeads	Reactive hydrophobic agent

Blends for the Building Industry

	MELTING POINT	OXIDE	FREE FATTY ACIDS	MOISTURE	IODINE VALUE	TYPICAL BULK DENSITY	SIEVE RESIDUE % MAX	Description
GRADE	°C	%	% max	% max	gl/100g	g/l	100 mesh	
Canastol	180-190	4.5-5.3	3	3	25-45	220	1	Reactive & non Reactive hydrophobic agent
Zinastol	-	6.2-7.0	1	2	25-45	250	2	Reactive & non Reactive hydrophobic agent
Edilmag	-	6-7	3	4	15-30	200	5	Reactive & non Reactive hydrophobic agent
Edilstol 7C	-	3.5-4.7	1	4	1 max	230	1	Reactive & non Reactive hydrophobic agent

Epoxidized Soya-bean Oil - Epoxidized Esters

	OXIRANE VALUE	IODINE VALUE	ACID VALUE	MOISTURE	BROOKFIELD VISCOSITY	COLOUR LOVIBOND 5" 1/4		Description
GRADE	gO ₂ /100g	gl/100g max	mgKOH/g max	% max	cPs	R max	Y max	
Epoxol D65	6.3-8	3	0.5	0.5	350-600	2	10	
Epoxol D65S	6.3-8	2.5	0.4	0.5	350-600	2	10	
Epoxol D44	4.0 min	5	1	0.5	-	2	20	

Lubricants (for PVC applications)

Product*	Chemical Composition	Lubricant Effect in PVC										PVC Transparent Articles	Physical Form	Food Contact Approval by EU Law
		Internal					External							
L020	Fatty Acids													
L090	Solid Fatty Acids Ester of Polyol													
L100	Fatty Acids Ester of Polyol													
L101	Fatty Acids Ester of Polyol from vegetable sources													
L107	Fatty Acids Ester of Polyol from vegetable sources													
L1275	Fatty Acids Ester of Polyol (Internal and External Lubricant)													
L200	Fatty Acids Ester of Polyol													
L320	Fatty Acids Ester of Polyol													
L450	Liquid Fatty Acids Ester													
L520	Linear Solid Fatty Acids Ester													
L610	Fatty Acid Ester of Polyol													
L611	Fatty Acids Ester of Polyol from vegetable sources													
L616	Fatty Acids Ester of Polyol from vegetable sources													
L626	Fatty Acids Ester of Polyol from vegetable sources													
L650	Fatty Acids Ester of Polyol													
L660	Fatty Acids Ester of Polyol													
L710	Fatty Acids Ester of Polyol with strong antistatic effect													
L711	Fatty Acids Ester of Polyol from vegetable sources with strong antistatic effect													
L801	Complex Ester													
L804	Complex Ester													
L805	Complex Ester													
L8970	Complex Esters													
L8YD	Complex Ester containing metal soap													

* Other products are available, for the full FACI L product list please refer to a FACI representative or to L series brochures

Products for P-PVC film processing

	ACID VALUE	SAP. VALUE	CLOUD POINT	CLOUD POINT IN BDG			
AF10	mgKOH/g	mgKOH/g	°C	°C			
Antifog System	≤1.0	125-140	<0	38-42			
	CALCIUM	ZINC	VISCOSITY 25°C	ASH			
X8A	%	%	cPs	%			
Ca/Zn Stabiliser paste	1.1-1.4	1.0-1.3	≤3200	2.9-3.5			
	ACID VALUE	SAP. VALUE	REFRACTIVE INDEX	CLOUD POINT	WATER CONTENT	COLOUR LOVIBOND 1"	
L805	mgKOH/g	mgKOH/g	mgKOH/g	°C	% max	R _{max}	Y _{max}
Release Agent	12	258-272	1.474-1.479	≤−10	0.20	4	30
	MELTING POINT	ASHES	FREE FATTY ACIDS	MOISTURE	SOLUBLE SALTS	TYPICAL BULK DENSITY	SIEVE RESIDUE % MAX
Ca/Zn Stearate 40 S	°C	%	% max	% max	% max	g/l	200 mesh
Ca/Zn Stabiliser	110-130	11.0-13.0	2	2	0.1	230	5
	MELTING POINT	ASHES	FREE FATTY ACIDS	MOISTURE	SOLUBLE SALTS	TYPICAL BULK DENSITY	SIEVE RESIDUE % MAX
Calcium Stearate SP Y19A	°C	%	% max	% max	% max	g/l	200 mesh
Ca/Zn Stabiliser	-	9.2-9.7	-	3	-	-	non dusting microbead

A vertical industrial pipe system with several red handwheel valves. The pipe is metallic and has various fittings and flanges. The background is a solid grey color.

Other products available from the FACI Group

With its seven manufacturing locations (four in Europe, two in the Far East and one in USA), FACI Group is a main supplier of non-toxic stearates, esters, oleochemicals and additives to a multitude of companies operating in different industries around the world. Our main chemistry has been traditionally focused on products derived from stearic acid, both of animal and vegetable origin. While this business continues to be the core activity of our Group, the acquisition of existing production units in Europe and the USA has considerably increased the portfolio of both our chemicals and our customers.

Our growth has always been driven by a forward-thinking attitude, backed up by a strong technical, marketing and development ethos which is associated with a close cooperation with our customers

Products availability:

FACI S.p.A. - Carasco - Italy

Fatty acid, glycerine and their derivatives, metallic soaps and their dispersions, esters, stearamides and epoxydized soya bean oil. Stearic acid and derivatives available on both animal and vegetable basis.

FACI Metalest, S.L.U. - Zaragoza - Spain

Fatty acid derivatives, metallic soaps, their dispersions and liquid fatty acids esters.

FACI UK Chemicals Ltd - Knowsley - UK

Fatty acid derivatives predominantly metallic soaps.

FACI Asia Pacific Pte Ltd - Jurong Island - Singapore

Fatty acid derivatives predominantly metallic soaps and their dispersions, fatty acids esters.

FACI Chemicals (Zhangjiagang) Co., Ltd - Jiangsu Province - PRC

Fatty acid derivatives predominantly metallic soaps and esters.

eChem Ltd - Leeds - UK

Fatty acid derivatives, metallic soaps dispersions and esters.

American eChem, Inc. - Lufkin TX - USA

Fatty acid derivatives predominantly metallic soaps dispersions.

Applications



PRODUCT	PVC	STABILISERS	POLYOLEFINS PE	POLYOLEFINS PP-LLDP	POLYCARBONATE	ABS	PC-ABS BLEND	POLYSTYRENE	POLYAMIDE	POLYESTERS SMC-BMC	OTHER PLASTICS	RUBBER	PAPER	ABRASIVES	BUILDING	COSMETIC	PHARMACEUTICAL	FOOD AND FEED	ADHESIVES	MINERAL FILLER	COATINGS/INKS	FIRE FIGHTING	METALLURGY	DETERGENT	LUBRICANTS
Calcium Stearate																									
Magnesium Stearate																									
Zinc Stearate																									
Aluminum Stearate																									
Sodium Stearate																									
Potassium Stearate																									
Aluminum St Water Dispersion																									
Calcium St Water Dispersion																									
Magnesium St Water Dispersion																									
Potassium St Water Dispersion																									
2-Ethylhexyl cocate																									
2-Ethyl Hexyl Palmitate																									
2-Ethyl Hexyl Stereate																									
2-Ethyl Hexyl Oleate																									
Distilled Topped Coconut Fatty Acid ester with 2-Ethyl hexyl alcohol.																									
Fatty acids, tallow 2-Ethyl hexyl esters																									
n-Butyl Stearate																									
n-Butyl Oleate																									
Isobutyl Stearate																									
Isobutyl esters mixture																									
Fatty acids from coco, isobutyl ester																									
Di-isotridecyl Adipate																									
Diisodecyl Adipate																									
Isoodecyl Oleate																									
Dioctyl Adipate																									
Dioctyl Sebacate																									
Dibutyl Sebacate																									
Fatty acids, C16-18 and C18-unsatd., esters with pentaerythritol																									
Trimethylolpropane oleate																									
Isotridecyl Stearate																									
Coconut Fatty Acids, triester with trimethylolpropane																									

The information contained in this publication is based on the present state of our knowledge and experience, given without obligation.

The product properties given in the publication are not specifications.

Our technical advice and recommendations, whether verbal, in writing, or by way of trials, are given for information purposes without commitment. The customer is strongly advised, due to the many outside influences which may affect the product use and application, to carry out his or her own testing and trials.

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- Commercial offices

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FACI UK CHEMICALS Ltd
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Spain

Paris

France

AMBROGIO PAGANI
Bergamo

Italy

Italy
FACI S.p.A.
Carasco - GE

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FACI Corporate
Carasco - GE

FACI ASIA PACIFIC Pte Ltd
Singapore

Singapore

FACI CHEMICALS
(ZHANGJIAGANG) Co., Ltd
Jiangsu

China

“

With seven fully owned manufacturing units:

- Carasco (Italy)
- Zaragoza (Spain)
- Knowsley (UK)
- Leeds (UK)
- Jurong Island (Singapore)
- Zhangjiagang (China)
- Lufkin (USA)

The FACI Group today is a leading supplier of

- Non toxic metallic soaps and dispersions
- Fatty esters and a wide range of oleochemicals derived additives

To a large variety of industries WORLD WIDE

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