



## **Ingredients for Detergents**



Trading & Production  
of  
Oleochemicals  
and  
related products



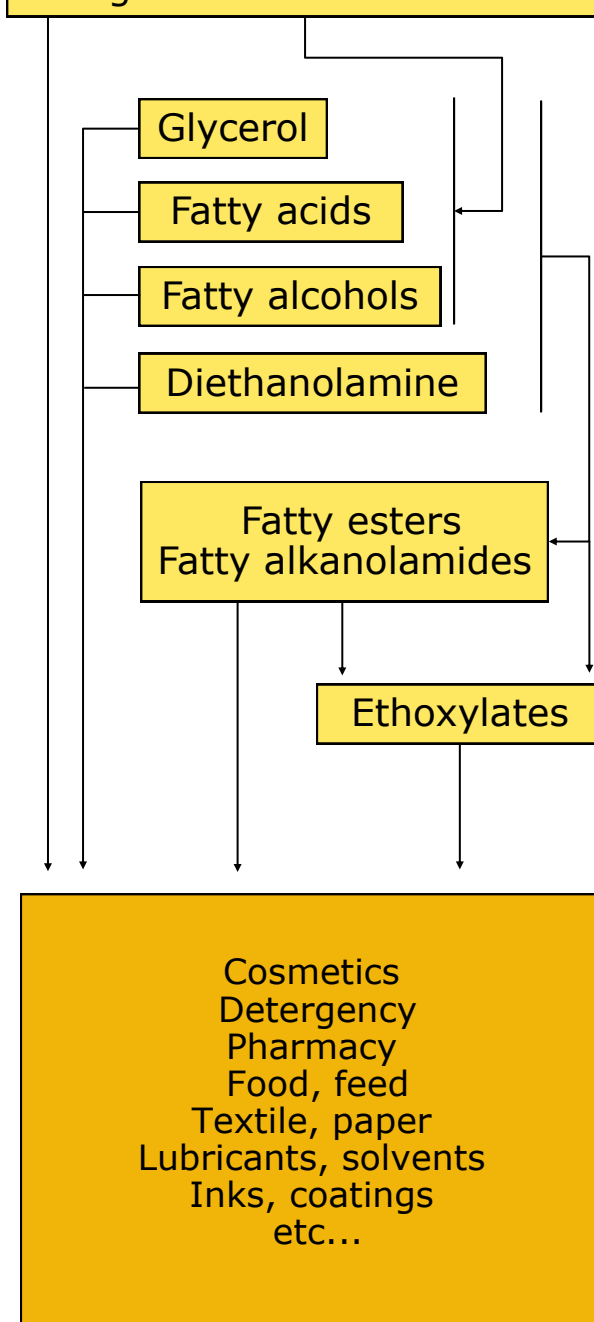
*Tradition in customer relation.  
Innovation in chemistry and  
customer service.  
An extra touch with the use of  
natural and renewable raw materials.  
Looking forward to meet performance  
and cost effectiveness with relation  
to changing technologies, stronger  
regulations and new market demands.*

*The Mosselman team.*

## Product ranges

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## Vegetable oil—animal fats



| Commercial name                                                                                        | Description *                                                                                                                                                                                | HLB                                  |
|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Heliwet FA 10/5                                                                                        | Fatty alcohol C10 oxo 5 EO                                                                                                                                                                   | 11,5                                 |
| Heliwet FA 10/7                                                                                        | Fatty alcohol C10 oxo 7 EO                                                                                                                                                                   | 13                                   |
| Heliwet FA 10/8                                                                                        | Fatty alcohol C10 oxo 8 EO                                                                                                                                                                   | 14                                   |
| Heliwet FA 91/4                                                                                        | Fatty alcohol C10 guerbet 6 EO                                                                                                                                                               | 12,5                                 |
| Heliwet FA 91/6                                                                                        | Fatty alcohol C10 guerbet 8 EO                                                                                                                                                               | 14                                   |
| Heliwet FA 91/6 L                                                                                      | Fatty alcohol C10 guerbet 8 EO 85% solution                                                                                                                                                  | 14                                   |
| Heliwet FA 91/8                                                                                        | Fatty alcohol C10 guerbet 10 EO                                                                                                                                                              | 15                                   |
| Heliwet FA 91/8 L                                                                                      | Fatty alcohol C10 guerbet 10 EO 85% solution                                                                                                                                                 | 15                                   |
| Heliwet FA 13/3                                                                                        | Fatty alcohol iso-C13 + 3 EO                                                                                                                                                                 | 8                                    |
| Heliwet FA 13/5                                                                                        | Fatty alcohol iso-C13 + 5 EO                                                                                                                                                                 | 10,5                                 |
| Heliwet FA 13/7                                                                                        | Fatty alcohol iso-C13 + 7 EO                                                                                                                                                                 | 12                                   |
| Heliwet FA 13/8                                                                                        | Fatty alcohol iso-C13 + 8 EO                                                                                                                                                                 | 13                                   |
| Heliwet FA 13/82                                                                                       | Fatty alcohol iso-C13 + 8 EO 20% solution                                                                                                                                                    | 13                                   |
| Heliwet FA 13/89                                                                                       | Fatty alcohol iso-C13 + 8 EO 90% solution                                                                                                                                                    | 13                                   |
| Heliwet FA 13/10                                                                                       | Fatty alcohol iso-C13 + 10 EO                                                                                                                                                                | 13,5                                 |
| Heliwet FA 13/12                                                                                       | Fatty alcohol iso-C13 + 12 EO                                                                                                                                                                | 14,5                                 |
| Heliwet FA 24/2                                                                                        | Fatty alcohol C12-C14 + 2 EO                                                                                                                                                                 | 6,1                                  |
| Heliwet FA 24/4                                                                                        | Fatty alcohol C12-C14 + 4 EO                                                                                                                                                                 | 9                                    |
| Heliwet FA 24/7                                                                                        | Fatty alcohol C12-C14 + 7 EO                                                                                                                                                                 | 12                                   |
| Heliwet FA 24/79                                                                                       | Fatty alcohol C12-C14 + 7 EO 90% solution                                                                                                                                                    | 12                                   |
| Heliwet FA 35/3                                                                                        | Fatty alcohol C13-C15 + 3 EO                                                                                                                                                                 | 8                                    |
| Heliwet FA 35/7                                                                                        | Fatty alcohol C13-C15 + 7 EO                                                                                                                                                                 | 12                                   |
| Heliwet FA 35/11                                                                                       | Fatty alcohol C13-C15 + 11 EO                                                                                                                                                                | 14                                   |
| Heliwet FA 35/30                                                                                       | Fatty alcohol C13-C15 + 30 EO                                                                                                                                                                | 17                                   |
| Heliwet FA 68/5                                                                                        | Fatty alcohol C16-C18 + 5 EO                                                                                                                                                                 | 9                                    |
| Heliwet FA 68/11                                                                                       | Fatty alcohol C16-C18 + 11 EO                                                                                                                                                                | 13,5                                 |
| Heliwet FA 68/20                                                                                       | Fatty alcohol C16-C18 + 20 EO                                                                                                                                                                | 15                                   |
| Heliwet FA 68/25                                                                                       | Fatty alcohol C16-C18 + 25 EO powder or flakes                                                                                                                                               | 16                                   |
| Heliwet FA 18/2                                                                                        | Fatty alcohol C18 + 2 EO                                                                                                                                                                     | 4,9                                  |
| Heliwet OC 2                                                                                           | Oleocetyl alcohol 2 EO                                                                                                                                                                       | 4                                    |
| Heliwet OC 10                                                                                          | Oleocetyl alcohol 10 EO                                                                                                                                                                      | 12                                   |
| EL 2,5                                                                                                 | Castor oil 2,5 EO                                                                                                                                                                            | 2                                    |
| EL 11                                                                                                  | Castor oil 11 EO                                                                                                                                                                             | 7                                    |
| EL 18                                                                                                  | Castor oil 18 EO                                                                                                                                                                             | 9                                    |
| EL 25                                                                                                  | Castor oil 25 EO                                                                                                                                                                             | 11                                   |
| EL 33                                                                                                  | Castor oil 33 EO                                                                                                                                                                             | 12                                   |
| EL 40                                                                                                  | Castor oil 40 EO                                                                                                                                                                             | 12,5                                 |
| EL 40 80%                                                                                              | Castor oil 40 EO 80% solution                                                                                                                                                                | 12,5                                 |
| EL 200                                                                                                 | Castor oil 200 EO                                                                                                                                                                            | 18                                   |
| Heliwet HCO 40                                                                                         | Hydrogenated castor oil 40 EO                                                                                                                                                                | 15                                   |
| C10 aminoxide<br>C12-14 aminoxide<br>C14 aminoxide<br>C12-18 aminoxide<br>Cocamidopropyla-<br>minoxide | Applications:<br>Grease removal<br>Medium foam, hypochlorite thickener (+SLES)<br>Grease foam, hypochlorite thickener<br>Thickener for washing up liquids<br>Foam booster, cleaner, car wash |                                      |
|                                                                                                        | Stearic acid 40 EO<br>Stearic acid 100 EO                                                                                                                                                    | 17,3<br>18,5                         |
|                                                                                                        | Coconut amine 15 EO<br>Tallow amine 2 EO<br>Tallow amine 8 EO<br>Tallow amine 15 EO<br>Oleylamine 2 EO<br>Oleylamine 6 EO                                                                    | 14,5<br>5<br>11,5<br>14,5<br>5<br>10 |

\* other ethoxylation grades and concentrations available on request  
Heliwet FA 91 range is offered as substitute to ethoxylated C9-C11 alcohols



| Commercial name                                                                        | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | HLB                                                                                                                                                                               | non-ionic surfactants |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Heliwet PBF 4                                                                          | Medium chain fatty alcohol alkoxyates<br>Moderate foaming behaviour.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 14.5                                                                                                                                                                              |                       |
| NP 4                                                                                   | Nonylphenol 4 EO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 9                                                                                                                                                                                 |                       |
| NP 6                                                                                   | Nonylphenol 6 EO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11                                                                                                                                                                                |                       |
| NP 8                                                                                   | Nonylphenol 8 EO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 12.3                                                                                                                                                                              |                       |
| NP 9                                                                                   | Nonylphenol 9 EO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 12.8                                                                                                                                                                              |                       |
| NP 10                                                                                  | Nonylphenol 10 EO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 13.2                                                                                                                                                                              |                       |
| NP 12                                                                                  | Nonylphenol 12 EO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 13.9                                                                                                                                                                              |                       |
| Heliwet APG 06<br>Heliwet APG<br>Heliwet PG 225<br>Heliwet PG 650<br>Heliwet APG 12-14 | Alkyl polyglucoside C6—low foaming<br>Alkyl polyglucoside C8-C10<br>Alkyl polyglucoside C8-C10<br>Alkyl polyglucoside C8-C14<br>Alkyl polyglucoside C12-C14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 13,6<br>13,6                                                                                                                                                                      |                       |
| Heliwet PO                                                                             | Low foaming fatty alcohol alkoxyates.<br>Cloud point in water ranging from 16 to 75°C<br>Cloud point in BDG ranging from 20 to 70°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                   |                       |
|                                                                                        | Glycerol monolaurate 90%<br>Glycerol monooleate<br>Glycerol monostearate 40%, 60%, 90%<br>Glycerol monostearate self-emulsifying<br><br>PEG 200 monooleate<br>PEG 300 monooleate<br>PEG 400 dioleate<br>PEG 400 distearate<br>PEG 400 monococoate<br>PEG 400 monolaurate<br>PEG 400 monooleate<br>PEG 400 monoricinoleate<br>PEG 400 monostearate<br>PEG 600 dioleate<br>PEG 600 monooleate<br>PEG 1500 monostearate<br>Polyglycerol-3 caprylate<br>Sorbitan monolaurate<br>Sorbitan mono-oleate<br>Sorbitan trioleate<br>Sorbitan tristearate<br><br>Sorbitan monolaurate 20 EO      Polysorbate 20<br>Sorbitan monooleate 20 EO      Polysorbate 80<br>Sorbitan triloleate 20 EO      Polysorbate 85 | 5.7<br>2.3<br>2 to 4<br><br>8.0<br>10.4<br>8.5<br>8.6<br>13.2<br>13.4<br>11.5<br>11<br>11.8<br>10.5<br>13.6<br>17.6<br>16<br>7.5<br>5.3<br>2.8<br>3.2<br><br>16.2<br>15.2<br>10.6 |                       |

| Commercial name            | Description                                                                                                           | Application                                                                                                                                                                             | Amphoteric surfactants |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Heloxyl AM 40              | Octyl (=2 ethylhexyl) iminodipropionate<br>disodium salt 40, 50, 60<br>dipotassium salt 70<br>triethanolamine salt 70 | Hydrotrope<br>Low foaming application, especially in combination with APG or PO.<br>Very low irritancy, acid/alkali stability, viscosity builder, corrosion inhibition, chelation.      |                        |
| Heloxyl AP 30              | Coco iminodipropionate,<br>monosodium salt 38<br>disodium salt 30<br>triethanolamine salt 50                          | Hydrotrope<br>High foaming application<br>Very low irritancy, acid/alkali stability, viscosity builder, corrosion inhibition, chelation<br><br>Wetting agent with triethanolamine salt. |                        |
| Betaine AAB<br>Betaine OAB | Cocoamidopropyl betaine<br>Betaine C12-C14<br>alkyl dimethyl                                                          | Foambooster<br>Acid stable surfactant with thickening properties                                                                                                                        |                        |
| Betaine KBC                | Tallow dihydroxyethyl betaine                                                                                         | Thickener and good skin compatibility                                                                                                                                                   |                        |
| Heloxyl NXE                | alkylcarboxylate                                                                                                      | Hydrotrope, wetting agent                                                                                                                                                               |                        |



|                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| DOSS 70 PG                                                                                                                                                                                                                         | Paraffinsulfonate 60%<br>Sodium cumenesulfonate 40 %<br>Sodium stearate<br>Sodium sulforicinoate 50 %<br>Sodium xylene sulfonate 40 %                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Anionic surfactants |
| Heliwet EH 40<br>Heloxyl AL 80<br>Heloxyl AST 50<br>LEG 325<br>LT 40<br>LES 28%<br>LES 70%<br>Liquid soap K-Castor 35%<br>Liquid soap K-Coco 18%<br>Liquid soap K-Coco 40%<br>Liquid soap K-Oleate 15%<br>SLS 94%<br>Sulfonic acid | Dioctyl sulfosuccinate 70%<br>in water / mineral oil / propylene glycol / white oil /<br>Ethanol / DPME / aromatic solvent / kerosene<br><br>Ethylhexyl sulfate 40%<br>Dodecylbenzenesulfonic acid sodium salt 80%<br>Triethanolamine alkylbenzenesulfonate 50%<br>Magnesium lauryl ether sulfate<br>Triethanolamine lauryl sulfate 40%<br>Sodium lauryl ether sulfate 28%<br>Sodium lauryl ether sulfate 70%<br>Potassium castorate 35%<br>Potassium cocoate 18%<br>Potassium cocoate 40%<br>Potassium oleate 15%<br>Sodium lauryl sulfate (powder / needles)<br>Dodecylbenzenesulfonic acid |                     |

|                                                                                                         |                                                                                                                                                                                                                                                                                                    |                         |                  |
|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------|
| Heliquat BAC                                                                                            | Alkyldimethylbenzyl-ammoniumchloride                                                                                                                                                                                                                                                               | Hydrotrope, foambooster | Cationic surf.   |
| Softinex BIO                                                                                            | Esterquat                                                                                                                                                                                                                                                                                          | Textile softner         |                  |
| EDTA 2 Na powder<br>EDTA 4 Na powder<br>EDTA 4 Na liquid<br>Heliquet<br>MGDA<br>NTA solid<br>NTA liquid | Ethylene diamine tetra-acetic acid disodium salt 89%<br>Ethylene diamine tetra-acetic acid tetrasodium salt 87%<br>Ethylene diamine tetra-acetic acid tetrasodium salt 40%<br>Phosphonates (HEDP, ATMP, PBTC)<br>Methylglycine diacetate<br>Nitrilotriacetic acid 92%<br>Nitrilotriacetic acid 40% |                         | Chelating agents |



| Commer-<br>cial name           | Description                                                        | Application                                                                                                                                             | Phosphate<br>esters |
|--------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Heloxyl EH-PO<br>Heloxyl A-PO4 | Monoester:<br>2 Ethylhexanol ester<br>C10-16 alcohol EO PO ester   | Corrosion inhibitor, wetting agent<br>Wetting agent                                                                                                     |                     |
| Heloxyl TD4<br>Heloxyl TC4     | Diester:<br>Tridecanol 5 EO diester<br>C12-14 alcohol 4 EO diester | Corrosion inhibitor, wetting agent<br>Corrosion inhibitor, antistatic agent                                                                             | Blends              |
| Heloxyl CV+                    | Non-ionic/cationic blend                                           | Surfactant system, designed to be used as sole surfactant in liquid alkaline (non solvent based) and acid hard surface, industrial and vehicle cleaners |                     |
| Heloxyl SBBT                   | Non-ionic blend                                                    | Emulsifier designed to formulate micro emulsions based on solvents                                                                                      |                     |
| Heloxyl TDP<br>Heloxyl DOD     | Non-ionic blend                                                    | Emulsifier to produce selfseparating solvent based degreasers                                                                                           |                     |
| Heloxyl HB90                   | Blend                                                              | Ready to dilute base product for car rinsing                                                                                                            |                     |

| Commercial name                                                                                                                                                                                                           | Description                                                                                                                                                                                                                            |                      |
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| Amide KDO<br>Amide ODV<br>Superamide ODM<br>Superamide KD<br>Superamide LD<br><br>Coconut MEA                                                                                                                             | Coconut diethanolamide + glycerol<br>Oleic diethanolamide + diethanolamine<br>Oleic diethanolamide<br>Coconut diethanolamide<br>Lauramide DEA<br><br>Coconut monoethanolamide                                                          | Alkanol-amides       |
| Beeswax white or yellow<br>Candelilla wax<br>Carnauba wax prime yellow<br>Fatty alcohols - cetostearyl, cetyl, stearyl<br>Hydrogenated vegetable oils<br>Montanic ester wax - Wax E<br>Paraffin waxes<br>Polyethylene wax |                                                                                                                                                                                                                                        | Waxes                |
| Glycerol<br>Polyethylene glycol 200, 300, 400, 600, 1000, 4000, 6000<br>Polyglycerol-2, 3, 4, 6, 10<br>Propylene glycol<br>Sorbitol 70%                                                                                   |                                                                                                                                                                                                                                        | Polyols              |
| Gum rosin<br>Soybean Lecithin liquid<br>d-Limonene<br>Dipentene detergent grade<br>Orange terpene<br>Pine oil<br>Pine tar<br>Triethanolamine (TEA) 85%, 99%<br>Triethyl citrate<br>Turpentine                             |                                                                                                                                                                                                                                        | Miscellaneous        |
| Castor<br>Cocoa butter<br>Coconut<br>Jojoba oil yellow<br>Linseed                                                                                                                                                         | Palm<br>Palm kernel<br>Rapeseed<br>Soybean<br>Sunflower                                                                                                                                                                                | Vegetable oils       |
| 2-Ethylhexyl caprylate caprate<br>2-Ethylhexyl laurate<br>2-Ethylhexyl cocoate<br>2-ethylhexyl tallowate<br>2-Ethylhexyl oleate<br><br>Ethyl oleate<br><br>Glycerol tri-caprylate/caprate - MCT<br><br>Isopropyl laurate  | Methyl oleate<br>Methyl laurate<br><br>Coconut methyl ester<br>Linseed methyl ester<br>High oleic sunflower methyl ester<br>Sunflower methyl ester<br>Rapeseed methyl ester<br>Soybean methyl ester<br>Methyl caprylate-caprate C8/C10 | Ester green solvents |

|                                                                                                                                                                                     |               |                                                                                             |                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------------------------------------------------------------------------|----------------|
| Petroleum jelly white - Vaseline<br>Petroleum jelly yellow - Vaseline<br>Silicon oil 100, 350, 1000<br><br>White paraffin oil heavy<br>medium<br>light                              |               | Mineral<br>silicon<br>oils                                                                  |                |
| Caprylic acid<br>Capric acid<br>Caprylic capric acid<br>Pelargonic<br>Lauric acid<br>Oleic acid<br>Coconut fatty acids<br>Coconut fatty acids—topped<br>Tall-oil fatty acids (TOFA) |               | C8<br>C10<br>C8-C10<br>C9<br>C12<br>C18:1<br>C8-C18<br>C12-C18<br>C18 unsat.                |                |
| Fatty acids                                                                                                                                                                         |               |                                                                                             |                |
| Certification                                                                                                                                                                       | Auditor       | Scope                                                                                       | Certifications |
| ISO 9001:2015                                                                                                                                                                       | PME Cert s.a. | Development, production & sales of chemical products                                        |                |
| Feed Chain Alliance (GMP Feed)                                                                                                                                                      | Vinçotte      | FCA / OVOCOM — Commerce and production of raw materials for live-stockholders and additives |                |
| Food Authorisation                                                                                                                                                                  | AFSCA         | Production and sales of specific food products                                              |                |
| Kosher                                                                                                                                                                              | OK, 1K        | On request                                                                                  |                |
| Halal                                                                                                                                                                               | EIHC          | On request                                                                                  |                |
| Organic — Bio                                                                                                                                                                       | Certisys sprl | For vegetable oils, beeswax, glycerine                                                      |                |
| RSPO                                                                                                                                                                                | ISACert b.v.  | On request - mass balance                                                                   |                |

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