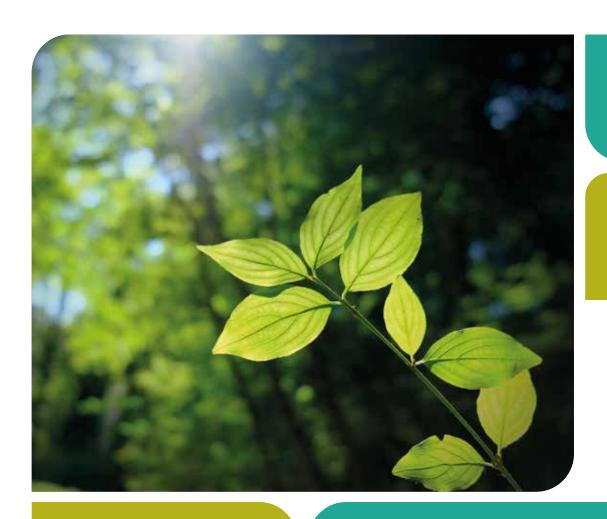
European Ecolabel for lubricants



The broadest range of oleochemical esters for formulating environmentally acceptable lubricants



What is the EU Ecolabel for lubricants?

 There is a strong political and social movement to minimise the impact of human activity on the global environment through the use of renewable and sustainable technologies.



- The European Union promotes the development and use of lubricating products with reduced environmental impact through Ecolabel.
- Products satisfying the requirements must be biodegradable, have low aquatic toxicity, and where palm oil or palm kernel oil is used, must be sustainably sourced.
- In addition, finished lubricant formulations must achieve minimum technical standards.

The EU Ecolabel is a mark of environmental sustainability and performance



We offer the broadest range of oleochemical esters for formulating environmentally acceptable lubricants

Lubricating applications covered by Commission Decision (EU) 2018/1702



Total loss lubricants (TLL)

- Chainsaw oils
- Wire rope lubricants
- Concrete release agents
- Total loss greases
- Other total loss lubricants



Partial loss lubricants (PLL)

- Gear oils for use in open gears
- Stern tube oils
- Two-stroke oils
- Temporary protection against corrosion
- Partial loss greases



Accidental loss lubricants (ALL)

- Hydraulic systems
- Metalworking fluids
- Closed gear oils
- Accidental loss greases

European Ecolabel for lubricants

European Ecolabel for lubricants



Summary of requirements for EU Ecolabel

The formulation criteria



Excluded or limited substances

A restriction on the types and quantity of components that can be used. Substances which are limited include those which pose hazard to human health or to the environment.



Aquatic toxicity

One of two approaches can be taken when formulating the lubricant. The formulating company can either provide toxicity data for the candidate product and all the main components (>5% by weight in the final product) or provide toxicity data for all individual substances used or formed, at or above 0.10% by weight in the candidate product.



Biodegradability

It must be determined on all organic substances, be they added or formed in the lubricant at a level of 0.10% w/w or higher. Depending on the application group (TLL, PLL, ALL or greases), there are limits on how much of the final formulation may not be biodegradable.



Bioaccumulation

This must be considered for all substances. Those which are readily biodegradable are not considered to be bioaccumulating. If the substances and mixtures are on the LuSC list, no additional documents need to be submitted.



Renewable ingredients

There is no absolute requirement for renewable ingredients in any lubricant application group, unless the formulating company wishes to use the term 'bio-based', in which case the bio-based carbon content in the final product must be $\geq 25\%$. If palm oil or palm kernel oil or derivatives are used then 100% of these ingredients must meet the requirements for sustainable production.



Minimum technical performance

Lubricants placed on the market must comply with minimum technical performance requirements. Evidence can be in the form of an approval letter, documents or statements and/or supporting test results

Refer to the EU's Ecolabel for lubricants user manual for further information

The packaging criteria



Packaging/container requirements

For lubricants sold in plastic, the container must be made of a minimum of 25% of post-consumer plastic. For lubricants sold to private end consumers the packaging/container should have an appropriate system in order to avoid spillage during use.



Consumer information on use & disposal

In the case of lubricants designed to be sold to private end-consumers, specific information shall be present on the packaging/container.



Information on EU Ecolabel

An optional label with text box may be included with specific text relating to EU Ecolabel.

Energy Technologies

Energy Technologies

European Ecolabel for lubricants

European Ecolabel for lubricants

Our range of EU Ecolabel products



Formulating EU Ecolabel compliant lubricants

We offer the broadest range of oleochemical esters

Whilst lubricants must comply with strict environmental criteria, they must also meet minimum technical performance standards. We have a portfolio of products ranging in viscosity from ISO 22 to ISO 1000, plus thickeners, including both oxidatively stable and highly oxidatively stable esters. We have the base fluid technologies to enable formulations in all three categories to comply with the environmental and technical performance requirements of EU Ecolabel.

We also offer Ecolabel compliant thickeners, friction modifiers and grease complexing agents. Depending on the category, there may be limitations on % inclusion rates. Please refer to the table or contact us for further information.

Recommendations for ISO 22 - ISO 1000 lubricants

To formulate a lubricant...

| With viscosity | With properties | Use | | | | | | |
|-------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|
| ISO 22 | Oxidatively stable | Priolube™ 3970 | | | | | | |
| ISO 32 | Highly oxidatively stable | Priolube 3970 MBPO blended with a higher viscosity ester, such as Priolube 1973 or Priolube 1847 | | | | | | |
| | Oxidatively stable | Priolube 1446 | | | | | | |
| | Highly oxidatively stable | Priolube 1973 or Priolube 3971 MBPO | | | | | | |
| ISO 46 | Oxidatively stable | Priolube 1427 or Priolube 2065 | | | | | | |
| | Excellent low temperature performance | Priolube 2089 MBPO | | | | | | |
| ISO 68 | Highly oxidatively stable | A blend of Priolube 1973 and a higher viscosity ester such as Priolube 1847 | | | | | | |
| | Oxidatively stable | Priolube 1445 | | | | | | |
| | Highly oxidatively stable | Priolube 1973 blended with Priolube 1847 | | | | | | |
| ISO 100 | Oxidatively stable | Priolube 2065 or Priolube 1445 or Priolube 2500 blended with Priolube 2087 MBPO; Priolube 3988 | | | | | | |
| | Non-sheening | Emkarox VG 100 NS | | | | | | |
| | Highly oxidatively stable | Priolube 3987 | | | | | | |
| ISO 150 | Oxidatively stable | Priolube 2065 or Priolube 1445 blended with Priolube 2087 MBPO | | | | | | |
| | Non-sheening | Emkarox VG 150 NS | | | | | | |
| ISO 220 | Highly oxidatively stable | For highly oxidatively stable lubricants, use Priolube 1973 thickened with Priolube 1847 | | | | | | |
| ISO 320 | Highly oxidatively stable | A blend of Priolube 1973 with Priolube 1847 | | | | | | |
| 130 320 | Oxidatively stable | Priolube 2087 MBPO or Priolube 2088 MBPO | | | | | | |
| | Highly oxidatively stable | A blend of Priolube 1973 with Priolube 1851 or Priolube 1847 | | | | | | |
| ISO 460 & ISO 680 | Oxidatively stable | Priolube 2065 or Priolube 2089 MBPO thickened with Priolube 1847 or Priolube 1851 | | | | | | |
| ISO 1000 | Oxidatively stable | Priolube 1847 | | | | | | |
| Thickener | Oxidatively stable | Priolube 3986 – Limited treat-rate depending on lubricant or grease category. Please refer to the LuSC list for maximum allowable treat-rate for all non-biodegradable, non-bioaccumulating components. | | | | | | |
| Friction modifier | - | Perfad™ 3100 – Limited treat-rate depending on lubricant or grease category | | | | | | |
| i nedon modiller | - | Perfad FM 3336 MBPO – Not limited by biodegradation and aquatic toxicity | | | | | | |
| Grease complexing agent | - | Priacid A95 MBPO – Can be used up to 10% in grease formulations | | | | | | |

SP MBAL = product is manufactured with ingredients containing sustainable palm oil

6 Energy Technologies Energy Technologies

European Ecolabel for lubricants European Ecolabel for lubricants

Specifications

| Product | | | Viscosity | | | | | | | | | | , | Foam tests | S | | Tota | ıl acid nun | nber | | Envir | onmental | profile | |
|--------------------|----------------------------------------|-----------------------------------------|-----------------|-------------------------------------------------|-------------------------------------------------|----------------------|------------------|-----------------|----------------------|------------------------|--------------------------------------|------------------|------------------|------------------|--------------------|------------------------|-----------------------|-------------------------------|--------------------------------|-----------------------------------|------------------|----------------|--------------|---------------|
| | Kinematic viscosity at 40°C (mm²/s) | Kinematic viscosity at 100°C (mm²/s) | Viscosity index | Kinematic viscosity at -20°C, 72 hrs (mm²/s) | Kinematic viscosity at -30°C, 72 hrs (mm²/s) | Acid value (mgKOH/g) | Cloud point (°C) | Pour point (°C) | Flash point COC (°C) | lodine value (gl/100g) | TOST test, 2% additive pack (hrs) | seq 1, 24°C (ml) | seq 2, 93°C (ml) | seq 3, 24°C (ml) | Air release (mins) | Demulsification (mins) | Initial TAN (mgKOH/g) | TAN after 5 days (mgKOH/g) | TAN after 15 days (mgKOH/g) | Biodegradability OECD 301B (%) | Renewability (%) | Daphnia (mg/l) | Algae (mg/l) | on LuSC List? |
| Priolube 3970 MBPO | 20 | 4.4 | 140 | 515 | - | <0.1 | -39 | -51 | 250 | 0.5 | >4000 | 0/0 | 0/0 | 0/0 | <1 | 3 | 0.1 | 0.3 | 0.8 | 75 | 81.6 | >1000 | >1000 | YES |
| Priolube 1446 | 30 | 7 | 207 | - | - | 1.5 | -32 | -36 | 290 | 81 | - | 10/0 | 0/0 | 10/0 | 4 | >30 | 0.2 | 0.5 | 1.8 | 85 | 88.7 | >100 | >100 | YES |
| Priolube 3971 MBPO | 30 | 5.9 | 144 | - | - | 0.05 | -10 | -3 | 285 | 0.5 | - | - | - | - | - | - | - | - | - | 10 | 85 | - | - | YES |
| Priolube 2089 MBPO | 44 | 8.7 | 181 | 1444 | 3800 | <0.1 | -25 | -54 | 315 | 72 | 540 | 5/0 | 15/0 | 20/0 | 1 | 15 | 0.1 | 0.5 | 2.1 | 84 | 88.3 | >1000 | 812 | YES |
| Priolube 1973 | 46 | 8 | 148 | 2550 | 9500 | <0.1 | -27 | -44 | 280 | 2 | >4000 | 140/0 | 20/0 | 140/0 | 1 | 10 | <0.1 | <0.1 | 0.4 | 85 | 87.8 | >1000 | >1000 | YES |
| Priolube 1427 | 48 | 9.5 | 187 | - | - | 1 | -15 | -39 | 300 | 84 | 500 | 5/0 | 0/0 | 5/0 | 2 | >30 | 1.5 | 3.3 | 11 | 79 | 89.9 | >100 | >100 | YES |
| Priolube 2065 | 48 | 9.8 | 196 | 1600 | >16000 | 1 | -15 | -39 | 300 | 84 | 500 | 5/0 | 0/0 | 5/0 | 2 | 15 | 0.2 | 0.4 | 2.8 | 79 | 89.8 | >1000 | >1000 | YES |
| Priolube 1445 | 67 | 12.5 | 188 | - | - | 0.5 | -25 | -30 | 290 | 88 | - | 150/0 | 0/0 | 100/0 | 6 | >30 | 0.6 | 1.5 | 8.5 | 72 | 92.9 | >100 | >100 | YES |
| Priolube 2500 | 90 | 13 | 143 | - | - | 0.5 | - | -24 | 280 | 3 | - | - | - | - | - | - | - | - | - | 75 | >80 | - | - | YES |
| Priolube 3988 | 100 | 13.8 | 140 | - | - | 0.1 | - | -34 | 280 | 3 | - | - | - | - | - | >60 | - | - | - | 73 | 82 | >7.6** | † | YES |
| Emkarox VG 100 NS | 107 | 17.6 | 181 | - | - | - | - | -42 | 280 | - | - | - | - | - | - | - | - | - | - | ‡ | N/A | >100 | <100 | YES |
| Priolube 3987 | 145 | 18.2 | 140 | - | 1280 | 0.1 | -21 | -33 | 320 | 3.5 | >4000 | 400/0 | 25/0 | 170/0 | 6 | >30 | 0.1 | 0.8 | 2.4 | 73 | 96.7 | >100* | >1000 | YES |
| Emkarox VG 150 NS | 152 | 24.9 | 198 | - | - | - | - | -42 | 280 | - | - | - | - | - | - | - | - | - | - | ‡ | N/A | >100 | >100 | YES |
| Priolube 2087 MBPO | 320 | 35 | 150 | - | - | 0.5 | <-60 | -40 | 260 | 30 | - | 10/0 | 10/0 | 10/0 | 16 | 16 | 0.5 | 2.9 | 16 | 63 | 93.9 | >100* | >98.7 | YES |
| Priolube 2088 MBPO | 320 | 35 | 150 | - | - | 0.2 | <-60 | -40 | 260 | 30 | - | 10/0 | 10/0 | 10/0 | 16 | 1 | 0.5 | 2.5 | 15.3 | 63 | 93.9 | >100 | >100 | YES |
| Priolube 1851 | 495 | 49 | 153 | - | - | 0.1 | -34 | -36 | 300 | 3 | >4000 | 60/0 | 55/0 | 40/0 | 14 | 1 | <0.1 | 0.3 | 2.9 | 65 | 88.2 | <100 | >100 | YES |
| Perfad 3100 | 624 | 28 | 55 | - | - | 2 | -14 | -15 | 275 | 1 | - | - | - | - | - | - | - | - | - | >60 | 100 | - | - | YES |
| Priolube 1847 | 1040 | 90 | 167 | - | - | 0.1 | -50 | -24 | 300 | 4 | >4000 | 370/30 | 530/0 | 210/20 | >30 | >30 | 0.1 | 1.4 | 2 | 63 | 84.9 | >1000 | >1000 | YES |
| Priolube 3986 | 47000 | 2000 | 278 | - | - | 0.01 | - | 6 | 325 | 89 | - | - | - | - | - | - | - | - | - | 14% | 85 | >100 | >100 | YES |
| Perfad FM 3336 | - | - | - | - | - | - | 12 | -25 | - | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | YES |
| Priacid A95 MBPO | - | - | - | - | - | 575 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | YES |

^{* 100}mg/l was the highest reportable concentration at the time of testing. The data in this table represents typical properties **The limit of solubility: No toxic effects up to the limit of water solubility
† No toxic effects up to the limit of water solubility
‡ Blend components are biodegradable

Energy Technologies Energy Technologies

European Ecolabel for lubricants European Ecolabel for lubricants

The LuSC list – Our products

Lubricant Substance Classification List (LuSC List)

| | | 1 | Maximum allo | wed treat rate ª, | c | | If less than 1 | 100% see ^d or ^e | | | | |
|-----------------------------|-----------------|------------------|--------------------|----------------------|-----------------|----------------------|------------------------------------|---------------------------------------|----------------------------------|----------------------------------------|-------------|------------------|
| Brand name ^{b,k,l} | ALL (No grasse) | ALL (Only grass) | PLL (No grazza) | PLL (Only grease) | TLL (No grappe) | TLL (Only grease) | EEL Biodegradation ^d | EEL Aquatic Toxicity ^e | Biobased fraction ^{h,i} | Fraction certified | CB Assessed | Valid till |
| Base fluids | (No grease) | (Only grease) | (No grease) | | (No grease) | | A/B/C/X/ ^{-f} | D/E/F/G(M ^g)/-f | fraction ^{h,i} | renewable ingredients ^{a,h,j} | | |
| Base fluids | | | | | | | | | | | | |
| EMKAROX VG 100 NS-LQ-(CQ) | | Not limi | ted by biodegrad | dation and aquatic | toxicity | | 100%A | 100%D | 0% | - | Dutch | 31 December 2024 |
| EMKAROX VG 150 NS-LQ-(CQ) | | Not limi | ted by biodegrad | dation and aquatic | toxicity | | 100%A | 100%D | 0% | - | Dutch | 31 December 2024 |
| PERFAD FM 3336-LQ-(GD) | | Not limi | ted by biodegrad | dation and aquatic | toxicity | | 100%A | 100%D | 100% | - | Dutch | 31 December 2024 |
| PERFAD FM 3336-LQ-(AP) | | Not limi | ted by biodegrad | dation and aquatic | toxicity | | 100%A | 100%D | 100% | - | Dutch | 31 December 2024 |
| PRIOLUBE 1427-LQ-(GD) | | Not limi | ted by biodegrad | dation and aquatic | toxicity | | 100%A | 100%D | 92% | - | Dutch | 31 December 2024 |
| PRIOLUBE 1445-LQ-(GD) | | Not limi | ted by biodegrad | dation and aquatic | toxicity | | 100%A | 100%D | 96% | - | Dutch | 31 December 2024 |
| PRIOLUBE 1446-LQ-(TH) | | Not limi | ted by biodegrad | dation and aquatic | toxicity | | 100%A | 100%D | 90% | - | Dutch | 31 December 2024 |
| PRIOLUBE 1446-LQ-(GD) | | Not limi | ted by biodegrad | dation and aquatic | toxicity | | 100%A | 100%D | 90% | - | Dutch | 31 December 2024 |
| PRIOLUBE 1847-LQ-(GD) | | Not limi | ted by biodegrad | dation and aquatic | toxicity | | 100%A | 100%D | 81% | - | Dutch | 31 December 2024 |
| PRIOLUBE 1847-LQ-(MV) | | Not limi | ted by biodegrad | dation and aquatic | toxicity | | 100%A | 100%D | 81% | - | Dutch | 31 December 2024 |
| PRIOLUBE 1851-LQ-(GD) | | Not limi | ited by biodegrae | dation and aquatic | toxicity | | 100%A | 100%D | 95% | - | Dutch | 31 December 2024 |
| PRIOLUBE 1851-LQ-(MV) | | Not limi | ted by biodegra | dation and aquatic | toxicity | | 100%A | 100%D | 95% | - | Dutch | 31 December 2024 |
| PRIOLUBE 1973-LQ-(GD) | | Not limi | ted by biodegra | dation and aquatic | toxicity | | 100%A | 100%D | 87% | - | Dutch | 31 December 2024 |
| PRIOLUBE 1973-LQ-(MV) | | Not limi | ted by biodegra | dation and aquatic | toxicity | | 100%A | 100%D | 87% | - | Dutch | 31 December 2024 |
| PRIOLUBE 1973-LQ-(SG) | | Not limi | ted by biodegrad | dation and aquatic | toxicity | | 100%A | 100%D | 87% | - | Dutch | 31 December 2024 |
| PRIOLUBE 2065-LQ-(AP) | | Not limi | ited by biodegra | dation and aquatic | toxicity | | 100%A | 100%D | 92% | - | Dutch | 31 December 2024 |
| PRIOLUBE 2065-LQ-(GD) | | Not limi | ited by biodegrad | dation and aquatic | toxicity | | 100%A | 100%D | 92% | - | Dutch | 31 December 2024 |
| PRIOLUBE 2500-LQ-(AP) | | Not limi | ited by biodegra | dation and aquatic | toxicity | | 100%A | 100%D | 92% | - | Dutch | 31 December 2024 |
| PRIOLUBE 2500-LQ-(MV) | | Not limi | ited by biodegrad | dation and aquatic | toxicity | | 100%A | 100%D | 92% | - | Dutch | 31 December 2024 |
| PRIOLUBE 3986-LQ-(GD) | 5.0% | 15% | 20% | 15% | 5.0% | 15% | 100%C | 100%D | 85% | - | Dutch | 31 December 2024 |
| PRIOLUBE 3987-LQ-(GD) | | Not limi | ited by biodegrad | dation and aquatic | toxicity | | 100%A | 100%D | 95% | - | Dutch | 31 December 2024 |
| PRIOLUBE 3987-LQ-(MV) | | Not limi | ited by biodegra | dation and aquatic | toxicity | | 100%A | 100%D | 95% | - | Dutch | 31 December 2024 |
| PRIOLUBE 3987-LQ-(SG) | | Not limi | ited by biodegrad | dation and aquatic | toxicity | | 100%A | 100%D | 95% | - | Dutch | 31 December 2024 |
| PRIOLUBE 3988-LQ-(GD) | | Not limi | ited by biodegra | dation and aquatic | toxicity | | 100%A | 100%D | 92% | - | Dutch | 31 December 2024 |
| PRIOLUBE 3988-LQ-(MV) | | Not limi | ited by biodegra | dation and aquatic | toxicity | | 100%A | 100%D | 92% | - | Dutch | 31 December 2024 |
| PERFAD FM 3336 MBPO-LQ-(SG) | | Not limi | ited by biodegra | dation and aquatic | toxicity | | 100%A | 100%D | 100% | 57%RSPO | | |
| PRIOLUBE 2087 MBPO-LQ-(GD) | | Not limi | ited by biodegra | dation and aquatic | toxicity | | 100%A | 100%D | 88% | 47%RSPO | Dutch | 31 December 2024 |

10 Energy Technologies 11

European Ecolabel for lubricants European Ecolabel for lubricants

| | | , | Maximum allov | wed treat rate ^{a,} | ,c | | If less than 1 | 00% see ^d or ° | | | | |
|-----------------------------------------|-------------------------------------------|----------------------|--------------------|------------------------------|--------------------|----------------------|------------------------------------|--------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------|-------------|------------------|
| Brand name ^{b,k,l} Base fluids | ALL (No grease) | ALL (Only grease) | PLL (No grease) | PLL (Only grease) | TLL (No grease) | TLL (Only grease) | EEL Biodegradation ^d | EEL Aquatic Toxicity ^e | Biobased fraction ^{h,i} | Fraction certified renewable ingredients ^{a,h,j} | CB Assessed | Valid till |
| | , , | , , , | , , | (O'ny grouss) | | | A/B/C/X/ ^{-f} | D/E/F/G(M ^g)/-f | | | | |
| PRIOLUBE 2087 MBPO-LQ-(MV) | | Not limi | ited by biodegrac | dation and aquatic | toxicity | | 100%A | 100%D | 88% | 47%RSPO | Dutch | 31 December 2024 |
| PRIOLUBE 2088 MBPO-LQ-(GD) | | Not limi | ited by biodegrac | dation and aquatic | toxicity | | 100%A | 100%D | 88% | 47%RSPO | Dutch | 31 December 2024 |
| PRIOLUBE 2089 MBPO-LQ-(AP) | | Not limi | ited by biodegrac | dation and aquatic | toxicity | | 100%A | 100%D | 92% | 9%RSPO | Dutch | 31 December 2024 |
| PRIOLUBE 2089 MBPO-LQ-(GD) | | Not limi | ited by biodegrac | dation and aquatic | toxicity | | 100%A | 100%D | 92% | 9%RSPO | Dutch | 31 December 2024 |
| PRIOLUBE 3970 MBPO-LQ-(AP) | | Not limi | ited by biodegrac | dation and aquatic | toxicity | | 100%A | 100%D | 81% | 78%RSPO | Dutch | 31 December 2024 |
| PRIOLUBE 3970 MBPO-LQ-(GD) | | Not limi | ited by biodegrac | dation and aquatic | toxicity | | 100%A | 100%D | 81% | 78%RSPO | Dutch | 31 December 2024 |
| PRIOLUBE 3970 MBPO-LQ-(SG) | | Not limi | ited by biodegrac | dation and aquatic | toxicity | | 100%A | 100%D | 81% | 78%RSPO | Dutch | 31 December 2024 |
| PRIOLUBE 3971 MBPO-LQ-(GD) | | Not limi | ited by biodegrac | dation and aquatic | toxicity | | 100%A | 100%D | n.d. | 84%RSPO | Dutch | 31 December 2024 |
| PRIOLUBE 3971 MBPO-LQ-(MV) | | Not limi | ited by biodegrad | dation and aquatic | toxicity | | 100%A | 100%D | n.d. | 84%RSPO | Dutch | 31 December 2024 |
| | Maximum allowed treat rate ^{a,c} | | | | | | | 00% see ^d or ° | | | | |
| Brand name ^{b,k,l} | ALL | ALL | PLL | PLL | TLL | TLL | EEL Biodegradation ^d | EEL Aquatic Toxicity ^e | | | CB Assessed | Valid till |
| Additives and Thickeners | (No Grease) | (Only Grease) | (No Grease) | (Only Grease) | (No Grease) | (Only Grease) | A/B/C/X/ ^{-f} | D/E/F/G(M ⁹)/-f | | Remark | OD Assessed | valid till |
| | | | | | | Other (specified in | the remark field) | | | | | |
| PRIACID A95 MBPO-FL-(SI) | | 10% | | 10% | | 10% | 100%A | 100%E | fraction: 10 | plexing agent. Biobased 00% ^{h,i} Fraction certified ngredient 100% RSPO ^{a,h,j} | Dutch | 31 December 2024 |
| PERFAD 3100-LQ-(MV) | 10% | 20% | 25% | 20% | 2% | 20% | 100%E | 100%E | | iction modifier. sed fraction: n.d. ^{h,i} | Dutch | 31 December 2024 |

Energy Technologies 13

| Notes | Notes |
|-------|-------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

Energy Technologies 15



Who are we?

The Energy Technologies business in Cargill Bioindustrial creates, makes and sells specialty chemicals and additives for the global energy market. Working in close collaboration with our customers, we apply sustainable concepts and deep scientific expertise so that together we can efficiently power the world of tomorrow.

At our core, we are experts in synthetic ester and polyalkylene glycol chemistries, taking products from lab scale through to full manufacturing. Investing in the development of new chemistries allows us to support our customers in meeting new industry challenges.

For those who dare to imagine a brighter future, we establish long lasting relationships and create bespoke industry solutions through our integrated research & development and global manufacturing capabilities. Being both global and local, you have direct access to our network of technical experts. We look forward to talking to you.

Further information

Cargill Bioindustrial sales and distribution are coordinated through an extensive worldwide network of technical and commercial experts. For further information or guidance please contact us:

energy_technologies@cargill.com

Non-warranty

This document is provided for your information and convenience only. All information, statements, recommendations and suggestions are believed to be true and accurate but are made without guarantee, express or implied. WE DISCLAIM, TO THE FULLEST EXTENT PERMITTED BY LAW, ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE and FREEDOM FROM INFRINGEMENT and disclaim all liability in connection with the storage, handling or use of our products or information, statements, recommendations and suggestions made by Cargill. All such risks are assumed by you/user. The labelling, substantiation and decision making relating to the regulatory approval status of, the labelling on and claims for your products is your responsibility. We recommend you consult regulatory and legal advisors familiar with applicable laws, rules and regulations prior to making regulatory, labelling or claims decisions for your products. The information, statements, recommendations and suggestions contained herein are subject to change without notice. Tests conducted by Cargill labs unless otherwise noted. ©2022, Cargill, Incorporated. All rights reserved. 2061B/ET/0323/5/EN

