

## Lubricant Substance Classification list (LuSC-list)

**Version date: 28/09/2022**

The list is a non-limitative list. Companies are not obliged to use one of these substances or brands but if used the information stated in this list can be applied directly into the application form without requesting the underlying documents. The list consists of two parts. Part 1 consists of substances and part 2 consists of brands. These are commercially available brands and are therefore indicated by their commercial name.

### Part 1: Substances

Substance	CAS no	EINECS no	EEL Biodegradation	EEL Aquatic Toxicity	Remarks
			A/B/C/X/- <sup>f</sup>	D/E/F/G(M <sup>g</sup> )/- <sup>f</sup>	
D-glucitol C6H14O6	50-70-4	200-061-5	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
Ascorbic acid C6H8O6	50-81-7	200-066-2	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
Glucose C6H12O6	50-99-7	200-075-1	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
L-lysine C6H14N2O2	56-87-1	200-294-2	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
Sucrose, pure C12H22O11	57-50-1	200-334-9	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
α-tocopheryl acetate C31H52O3	58-95-7	200-405-4	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
Galctose C6H12O6	59-23-4	200-416-4	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
DL-methionine C5H11NO2S	59-51-8	200-432-1	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
Lactose C12H22O11	63-42-3	200-559-2	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
D-mannitol C6H14O6	69-65-8	200-711-8	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
L-sorbose C6H12O6	87-79-6	201-771-8	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
Glycerol monostearate, pure C21H42O4	123-94-4	204-664-4	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
Carbon dioxide CO2	124-38-9	204-696-9	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
Calcium pantothenate, D-form C9H17NO5.1/2Ca	137-08-6	205-278-9	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
DL-phenylalanine C9H11NO2	150-30-1	205-756-7	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
Sodium gluconate C6H12O7.Na	527-07-1	208-407-7	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
Sorbitan oleate C24H44O6	1338-43-8	215-665-4	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
Calcium distearate, pure C18H36O2.1/2Ca	1592-23-0	216-472-8	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
Lecithins The complex combination of diglycerides of fatty acids linked to the choline ester of phosphoric acid	8002-43-5	232-307-2	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
Syrups, hydrolyzed starch A complex combination obtained by the hydrolysis of cornstarch by the action of acids or enzymes. It consists primarily of d-glucose, maltose and maltodextrins	8029-43-4	232-436-4	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
Tallow, hydrogenated	8030-12-4	232-442-7	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
Dextrin	9004-53-9	232-675-4	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
Starch High-polymeric carbohydrate material usually derived from cereal grains such as corn, wheat and sorghum, and from roots and tubers such as potatoes and tapioca. Includes starch which has been pregelatinised by heating in the presence of water.	9005-25-8	232-679-6	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
Maltodextrin	9050-36-6	232-940-4	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008

Sodium D-gluconate C <sub>6</sub> H <sub>12</sub> O <sub>7</sub> .xNa	14906-97-9	238-976-7	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
D-glucitol monostearate C <sub>24</sub> H <sub>48</sub> O <sub>7</sub>	26836-47-5	248-027-9	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
Fatty acids, coco, Me esters	61788-59-8	262-988-1	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
Cellulose Pulp	65996-61-4	265-995-8	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
Glycerides, C16-18 and C18-unsatd. This substance is identified by SDA Substance Name: C16-C18 and C18 unsaturated trialkyl glyceride and SDA Reporting Number: 11-001-00.	67701-30-8	266-948-4	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
Glycerides C10-18	85665-33-4	288-123-8	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
Palmitic acid, pure C16H <sub>32</sub> O <sub>2</sub>	57-10-3	200-312-9	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Stearic acid, pure C18H <sub>36</sub> O <sub>2</sub>	57-11-4	200-313-4	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Oleic acid, pure C18H <sub>34</sub> O <sub>2</sub>	112-80-1	204-007-1	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Lauric acid, pure C12H <sub>24</sub> O <sub>2</sub>	143-07-7	205-582-1	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Potassium oleate C18H <sub>34</sub> O <sub>2</sub> K	143-18-0	205-590-5	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Sodium stearate, pure C18H <sub>36</sub> O <sub>2</sub> .Na	822-16-2	212-490-5	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Limestone A noncombustible solid characteristic of sedimentary rock. It consists primarily of calcium carbonate	1317-65-3	215-279-6	100%C	100%D	Inorganic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Sunflower oil Extractives and their physically modified derivatives. It consists primarily of the glycerides of the fatty acids linoleic, and oleic. ( <i>Helianthus annuus</i> , Compositae)	8001-21-6	232-273-9	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Soybean oil Extractives and their physically modified derivatives. It consists primarily of the glycerides of the fatty acids linoleic, oleic, palmitic and stearic ( <i>Soja hispida</i> , Leguminosae)	8001-22-7	232-274-4	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Safflower oil Extractives and their physically modified derivatives. It consists primarily of the glycerides of the fatty acid linoleic ( <i>Carthamus tinctorius</i> , Compositae)	8001-23-8	232-276-5	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Linseed oil Extractives and their physically modified derivatives. It consists primarily of the glycerides of the fatty acids linoleic, linolenic and oleic ( <i>Linum usitatissimum</i> , Linaceae)	8001-26-1	232-278-6	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Corn oil Extractives and their physically modified derivatives. It consists primarily of the glycerides of the fatty acids linoleic, oleic, palmitic and stearic ( <i>Zea mays</i> , Gramineae)	8001-30-7	232-281-2	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Castor Oil Extractives and their physically modified derivatives. It consists primarily of the glycerides of the fatty acid ricinoleic ( <i>Ricinus communis</i> , Euphorbiaceae)	8001-79-4	232-293-8	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Rape oil Extractives and their physically modified derivatives. It consists primarily of the glycerides of the	8002-13-9	232-299-0	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008

fatty acids erucic, linoleic and oleic (Brassica napus, Cruciferae)					
Fatty acids, tallow, Me esters	61788-61-2	262-989-7	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Fatty acids, castor-oil	61789-44-4	263-060-9	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Fatty acids, tallow	61790-37-2	263-129-3	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Fatty acids, C12-18 This substance is identified by SDA Substance Name: C12-C18 alkyl carboxylic acid and SDA Reporting Number: 16-005-00.	67701-01-3	266-925-9	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Fatty acids C16-18 This substance is identified by SDA Substance Name: C16-C18 alkyl carboxylic acid and SDA Reporting Number: 19-005-00.	67701-03-5	266-928-5	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Fatty acids, C8-18 and C18-unsatd. This substance is identified by SDA Substance Name: C8-C18 and C18 unsaturated alkyl carboxylic acid and SDA Reporting Number: 01-005-00.	67701-05-7	266-929-0	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Fatty acids, C14-18 and C16-18-unsatd. This substance is identified by SDA Substance Name: C14-C18 and C16-C18 unsaturated alkyl carboxylic acid and SDA Reporting Number: 04-005-00	67701-06-8	266-930-6	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Fatty acids, C16-C18 and C18-unsatd. This substance is identified by SDA Substance Name: C16-C18 and C18 unsaturated alkyl carboxylic acid and SDA Reporting Number: 11-005-00	67701-08-0	266-932-7	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Fatty acids C14-18 and C16-18-unsatd. Me esters This substance is identified by DA Substance Name: C14-C18 and C16-C18 unsaturated alkyl carboxylic acid methyl ester and SDA Reporting Number: 04-010-00.	67762-26-9	267-007-0	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Fatty acids C6-12 This substance is identified by SDA Substance Name: C6-C12 alkyl carboxylic acid and SDA Reporting Number: 13-005-00.	67762-36-1	267-013-3	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Fatty acids C14-22 and C16-22 unsatd. This substance is identified by SDA Substance Name: C14-C22 and C16-C22 unsaturated alkyl carboxylic acid and SDA Reporting Number: 07-005-00	68002-85-7	268-099-5	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Syrups corn dehydrated	68131-37-3	268-616-4	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Fatty acids soya	68308-53-2	269-657-0	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Glycerides tallow mono- di- and tri- hydrogenated	68308-54-3	269-658-6	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Fatty acids C14-22	68424-37-3	270-298-7	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Fatty acids linseed-oil	68424-45-3	270-304-8	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008

Glycerides C16-18 and C18-unsatd. Mono- and di-This substance is identified by SDA Substance Name: C16-C18 and C18 unsaturated alkyl and C16-C18 and C18 unsaturated dialkyl glyceride and SDA Reporting Number: 11-002-00.	68424-61-3	270-312-1	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Fatty acids C12-14	90990-10-6	292-771-7	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Fatty acids C12-18 and C18-unsatd.	90990-15-1	292-776-4	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Fatty acids rape-oil erucic acid-low	93165-31-2	296-916-5	100%A	100%D	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008
Lithium 12-hydroxystearate, pure, C19H38O3Li	7620-77-1	231-536-5	100%B	100%E	Assessed by the Dutch CB
Dilithium azelate, pure	38900-29-7	254-184-4	100%C	100%E	Assessed by the Dutch CB
Dilithium sebacate, pure	19370-86-6	242-999-8	100%C	100%E	Assessed by the Dutch CB
Calcium di-12-hydroxystearate, pure	3159-62-4	221-605-8	100%A	100%D	Assessed by the Dutch CB
Magnesium oxide, pure	1309-48-4	215-171-9	100%C	100%D	Assessed by the Dutch CB
Limestone (A noncombustible solid characteristic of sedimentary rock. It consists primarily of calcium carbonate.)	1317-65-3	215-279-6	100%C	100%D	Assessed by the Dutch CB
Tricalcium phosphate, pure	7758-87-4	231-840-8	100%C	100%D	Assessed by the Dutch CB
Calcium acetate, pure	62-54-4	200-540-9	100%C	100%D	Assessed by the Dutch CB
Silane, dichlorodimethyl-, reaction products with silica	68611-44-9	271-893-4	100%C	100%D	Assessed by the Dutch CB

## Part 2: Brands

Brand name <sup>b,k,l</sup> Base fluids	Maximum allowed treat rate <sup>a,c</sup>						If less than 100% see <sup>d</sup> or <sup>e</sup>		Biobased fraction <sup>h,i</sup>	Fraction certified renewable ingredients <sup>a,h,j</sup>	CB Assess ed	Valid till
	ALL (No Greas e)	ALL (Only Grease)	PLL (No Grease)	PLL (Only Grease)	TLL (No Grease)	TLL (Only Grease)	EEL Biodegradation <sup>d</sup>	EEL Aquatic Toxicity <sup>e</sup>				
							A/B/C/X/ <sup>f</sup>	D/E/F/G(M <sup>g</sup> )/ <sup>f</sup>				
<b>Base fluids</b>												
Novvi EL22	Not limited by biodegradation and aquatic toxicity						100% A	100% D	100%		Dutch	31 December 2024
Novvi EL26	Not limited by biodegradation and aquatic toxicity						100% A	100% D	100%		Dutch	31 December 2024
NovaSpec EL34	Not limited by biodegradation and aquatic toxicity						100% A	100% D	53%		Dutch	31 December 2024
NovaSpec 1250	10%	20%	25%	20%	5.0%	20%	100% B	100% D	53%		Dutch	31 December 2024
Oxlupe L9-TMP	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
DOCADIT 10000 MB	Not limited by biodegradation and aquatic toxicity						100% A	100% D	91%	50% RSPO	Dutch	31 December 2024
DOCADIT 10010	Not limited by biodegradation and aquatic toxicity						100% A	100% D	92%		Dutch	31 December 2024
DOCADIT 3200 MB	Not limited by biodegradation and aquatic toxicity						100% A	100% D	87%	43% RSPO	Dutch	31 December 2024
DOCADIT 33	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
DOCADIT 440 MB	Not limited by biodegradation and aquatic toxicity						100% A	100% D	90%	85% RSPO	Dutch	31 December 2024
DOCADIT 470	Not limited by biodegradation and aquatic toxicity						100% A	100% D	89%		Dutch	31 December 2024
DOCADIT 5000	Not limited by biodegradation and aquatic toxicity						100% A	100% D	93%		Dutch	31 December 2024
DOCADIT 17000	14%	31%	39%	31%	7.8%	31%	64% B; 36% C	100% D	81%		Dutch	31 December 2024
DOCADIT FL 136 MB	Not limited by biodegradation and aquatic toxicity						100% A	100% D	100%	83% RSPO	Dutch	31 December 2024
DOCADIT FL 140 MB	Not limited by biodegradation and aquatic toxicity						100% A	100% D	83%	78% RSPO	Dutch	31 December 2024
DOCADIT FL 144	Not limited by biodegradation and aquatic toxicity						100% A	100% D	92%		Dutch	31 December 2024
DOCADIT FL 155 MB	Not limited by biodegradation and aquatic toxicity						100% A	100% D	87%	43% RSPO	Dutch	31 December 2024
DOCADIT FL 184 MB	Not limited by biodegradation and aquatic toxicity						100% A	100% D	88%	80% RSPO	Dutch	31 December 2024
DOCADIT FL 185 MB	Not limited by biodegradation and aquatic toxicity						100% A	100% D	91%	86% RSPO	Dutch	31 December 2024
DOCADIT FL 190 MB	Not limited by biodegradation and aquatic toxicity						100% A	100% D	91%	50% RSPO	Dutch	31 December 2024
DOCADIT HV	5.2%	15%	21%	15%	5.2%	15%	3% A; 97% C	100% D	86%		Dutch	31 December 2024
DOCADIT HV HG	5.2%	15%	21%	15%	5.2%	15%	3% A; 97% C	100% D	86%		Dutch	31 December 2024
DOCADIT HV 10	7.4%	22%	29%	22%	7.4%	22%	32% B; 68% C	100% D	83%		Dutch	31 December 2024
DOCADIT LT-1582	Not limited by biodegradation and aquatic toxicity						100% A	100% D	19%		Dutch	31 December 2024
SOLDOC 3/134	Not limited by biodegradation and aquatic toxicity						100% A	100% D	92%		Dutch	31 December 2024
SOLDOC 4/136	Not limited by biodegradation and aquatic toxicity						100% A	100% D	95%		Dutch	31 December 2024
WAGLINOL 4/13680 MB	Not limited by biodegradation and aquatic toxicity						100% A	100% D	90%	82% RSPO	Dutch	31 December 2024
WAGLINOL 3/13480 MB	Not limited by biodegradation and aquatic toxicity						100% A	100% D	83%	78% RSPO	Dutch	31 December 2024
WAGLINOL 13088 F MB	Not limited by biodegradation and aquatic toxicity						100% A	100% D	61%	67% RSPO	Dutch	31 December 2024
WEICHOL 3/134 A MB	Not limited by biodegradation and aquatic toxicity						100% A	100% D	88%	80% RSPO	Dutch	31 December 2024
WEICHOL 3/134 W MB	Not limited by biodegradation and aquatic toxicity						100% A	100% D	91%	86% RSPO	Dutch	31 December 2024
LIGALUB 18 TMP A-MB	Not limited by biodegradation and aquatic toxicity						100% A	100% D	91%	86% RSPO	Dutch	31 December 2024
LIGALUB 19 TMP-MB	Not limited by biodegradation and aquatic toxicity						100% A	100% D	81%	78% RSPO	Dutch	31 December 2024
LIGALUB 56 PE-MB	Not limited by biodegradation and aquatic toxicity						100% A	100% D	95%	82% RSPO	Dutch	31 December 2024
LIGALUB 63 NPG	Not limited by biodegradation and aquatic toxicity						100% A	100% D	92%		Dutch	31 December 2024
LIGALUB L 101-MB	Not limited by biodegradation and aquatic toxicity						100% A	100% D	74%	59% RSPO	Dutch	31 December 2024
LIGALUB L 102-MB	Not limited by biodegradation and aquatic toxicity						100% A	100% D	71%	67% RSPO	Dutch	31 December 2024



Breox® 50 A 140	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
Breox® 50 A 150	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
Breox® 50 A 50	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
Breox® 75 W 55000	10%	20%	25%	20%	5.0%	20%	100% B	100% D			Dutch	31 December 2024
Breox® B 35	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
Breox® B 75	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
Synative AC B 33 V	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>	100% RSPO	Dutch	31 December 2024
Synative EEB 130	5.0%	15%	20%	15%	5.0%	15%	100% C	100% D	0%		Dutch	31 December 2024
Synative ES 2846	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>	85% RSPO	Dutch	31 December 2024
Synative ES 2846-H	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>	85% RSPO	Dutch	31 December 2024
Synative ES 2925	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>	89% RSPO	Dutch	31 December 2024
Synative ES 1200	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>		Dutch	31 December 2024
Synative ES 2813	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
Synative ES 2925	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>	72% RSPO	Dutch	31 December 2024
Synative ES 3100	10%	20%	25%	20%	5.0%	20%	100% B	100% D	<i>n.d.</i>	85% RSPO	Dutch	31 December 2024
Synative ES 3200	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>		Dutch	31 December 2024
Synative ES 3345	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>	62% RSPO	Dutch	31 December 2024
Synative ES 3357	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
Synative ES DITA	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
Synative ES DPHA	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
Synative ES EHK	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>		Dutch	31 December 2024
Synative ES TF 320	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>		Dutch	31 December 2024
Synative ES TMP 05	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>		Dutch	31 December 2024
Synative ES TMP 05/68	Withdrawn as of 1 <sup>st</sup> of July 2022											
Synative ES TMP 05V	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>	85% RSPO	Dutch	31 December 2024
Synative ES TMP 05/140	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>		Dutch	31 December 2024
Synative ES TMP 05/320	Withdrawn as of 1 <sup>st</sup> of July 2022											
Synative ES TMP 05/1000	Withdrawn as of 1 <sup>st</sup> of July 2022											
Synative ES TMTC	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>	72% RSPO	Dutch	31 December 2024
Isofol 16	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
Isofol 18T	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
Isofol 20	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
DEHYLUB® 4005	Not limited by biodegradation and aquatic toxicity						100% A	100% D	39%		Dutch	31 December 2024
DEHYLUB® 4012	Not limited by biodegradation and aquatic toxicity						100% A	100% D	71%		Dutch	31 December 2024
DEHYLUB® 4016	Not limited by biodegradation and aquatic toxicity						100% A	100% D	90%		Dutch	31 December 2024
DEHYLUB® 4022	Not limited by biodegradation and aquatic toxicity						100% A	100% D	83%		Dutch	31 December 2024
DEHYLUB® 4030	Not limited by biodegradation and aquatic toxicity						100% A	100% D	90%		Dutch	31 December 2024
DEHYLUB® 4049	Not limited by biodegradation and aquatic toxicity						100% A	100% D	96%		Dutch	31 December 2024
DEHYLUB® 4059	Not limited by biodegradation and aquatic toxicity						100% A	100% D	68%		Dutch	31 December 2024
DEHYLUB® 4071	Not limited by biodegradation and aquatic toxicity						100% A	100% D	91%		Dutch	31 December 2024
DEHYLUB® 4060	Not limited by biodegradation and aquatic toxicity						100% A	100% D	91%		Dutch	31 December 2024
DEHYLUB® 4066	10%	20%	25%	20%	5%	20%	100% B	100% D	91%		Dutch	31 December 2024
DEHYLUB® 4062	Not limited by biodegradation and aquatic toxicity						100% A	100% D	91%		Dutch	31 December 2024
DEHYLUB® 4064	Not limited by biodegradation and aquatic toxicity						100% A	100% D	74%		Dutch	31 December 2024
DEHYLUB® 4077	Not limited by biodegradation and aquatic toxicity						100% A	100% D	58%		Dutch	31 December 2024
DEHYLUB® 4105	10%	20%	25%	20%	5%	20%	100% B	100% D	71%		Dutch	31 December 2024

DEHYLUB® 4087	Not limited by biodegradation and aquatic toxicity						100% A	100% D	91%		Dutch	31 December 2024
DEHYLUB® 4148	Not limited by biodegradation and aquatic toxicity						100% A	100% D	89%		Dutch	31 December 2024
EMKAROX VG 100 NS-LQ-(CQ)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
EMKAROX VG 150 NS-LQ-(CQ)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
PENTALAN 1-SO-(RB)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	98%		Dutch	31 December 2024
PERFAD FM 3336-LQ-(GD)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	100%		Dutch	31 December 2024
PERFAD FM 3336-LQ-(AP)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	100%		Dutch	31 December 2024
PRIOLUBE 1427-LQ-(GD)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	92%		Dutch	31 December 2024
PRIOLUBE 1435-LQ-(GD)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	100%	10% RSPO	Dutch	31 December 2024
PRIOLUBE 1445-LQ-(GD)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	96%		Dutch	31 December 2024
PRIOLUBE 1446-LQ-(GD)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	90%		Dutch	31 December 2024
PRIOLUBE 1446-LQ-(TH)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	90%		Dutch	31 December 2024
PRIOLUBE 1847-LQ-(GD)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	81%		Dutch	31 December 2024
PRIOLUBE 1847-LQ-(MV)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	81%		Dutch	31 December 2024
PRIOLUBE 1851-LQ-(GD)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	95%		Dutch	31 December 2024
PRIOLUBE 1851-LQ-(MV)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	95%		Dutch	31 December 2024
PRIOLUBE 1936-LQ-(GD)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
PRIOLUBE 1973-LQ-(GD)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	87%		Dutch	31 December 2024
PRIOLUBE 1973-LQ-(MV)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	87%		Dutch	31 December 2024
PRIOLUBE 1973-LQ-(SG)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	87%		Dutch	31 December 2024
PRIOLUBE 1976-LQ-(GD)	Not limited by biodegradation and aquatic toxicity						100% A	100% D			Dutch	31 December 2024
PRIOLUBE 2065-LQ-(AP)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	92%		Dutch	31 December 2024
PRIOLUBE 2065-LQ-(GD)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	92%		Dutch	31 December 2024
PRIOLUBE 2500-LQ-(AP)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	92%		Dutch	31 December 2024
PRIOLUBE 2500-LQ-(MV)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	92%		Dutch	31 December 2024
PRIOLUBE 3960-LQ-(GD)	Not limited by biodegradation and aquatic toxicity						100% A	100% D			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 limited by biodegradation and aquatic toxicity						100% A	100% D	95%		Dutch	31 December 2024
PRIOLUBE 3987-LQ-(MV)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	95%		Dutch	31 December 2024
PRIOLUBE 3987-LQ-(SG)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	95%		Dutch	31 December 2024
PRIOLUBE 3988-LQ-(GD)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	92%		Dutch	31 December 2024
PRIOLUBE 3988-LQ-(MV)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	92%		Dutch	31 December 2024
XENITRON 7026-LQ-(GD)	Not limited by biodegradation and aquatic toxicity						100% A	100% D			Dutch	31 December 2024
SP PERFAD FM 3336 MBAL-LQ-(SG)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	100%	57% RSPO		
SP PRIOLUBE 1843 MBAL-(GD)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	88%	9% RSPO	Dutch	31 December 2024
SP PRIOLUBE 2087 MBAL-LQ-(GD)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	88%	47% RSPO	Dutch	31 December 2024
SP PRIOLUBE 2087 MBAL-LQ-(MV)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	88%	47% RSPO	Dutch	31 December 2024
SP PRIOLUBE 2088-MBAL-LQ-(GD)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	88%	47% RSPO	Dutch	31 December 2024
SP PRIOLUBE 2089-MBAL-LQ-(AP)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	92%	9% RSPO	Dutch	31 December 2024
SP PRIOLUBE 2089-MBAL-LQ-(GD)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	92%	9% RSPO	Dutch	31 December 2024
SP PRIOLUBE 3970-MBAL-LQ-(AP)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	81%	78% RSPO	Dutch	31 December 2024
SP PRIOLUBE 3970-MBAL-LQ-(GD)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	81%	78% RSPO	Dutch	31 December 2024
SP PRIOLUBE 3970-MBAL-LQ-(SG)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	81%	78% RSPO	Dutch	31 December 2024
SP PRIOLUBE 3971-MBAL-LQ-(GD)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>	84% RSPO	Dutch	31 December 2024
SP PRIOLUBE 3971-MBAL-LQ-(MV)	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>	84% RSPO	Dutch	31 December 2024
Radia 7051	Not limited by biodegradation and aquatic toxicity						100% A	100% D	83%	78% RSPO	Dutch	31 December 2024





Radialube 7589	Not limited by biodegradation and aquatic toxicity					100% A	100% D	69%	62% RSPO	Dutch	31 December 2024
Radialube 7591	Not limited by biodegradation and aquatic toxicity					100% A	100% D	73%	61% RSPO	Dutch	31 December 2024
Radialube 7688	Not limited by biodegradation and aquatic toxicity					100% A	100% D	90%		Dutch	31 December 2024
Radialube 7691	Not limited by biodegradation and aquatic toxicity					100% A	100% D	91%	81% RSPO	Dutch	31 December 2024
Radialube 7692	Not limited by biodegradation and aquatic toxicity					100% A	100% D	91%	81% RSPO	Dutch	31 December 2024
Radialube 7694	Not limited by biodegradation and aquatic toxicity					100% A	100% D	91%	77% RSPO	Dutch	31 December 2024
Radialube 7695	Not limited by biodegradation and aquatic toxicity					100% A	100% D	92%	75% RSPO	Dutch	31 December 2024
Radialube 7698	Not limited by biodegradation and aquatic toxicity					100% A	100% D	92%	76% RSPO	Dutch	31 December 2024
Radialube 8364	Not limited by biodegradation and aquatic toxicity					100% A	100% D	<i>n.d.</i>	80% RSPO	Dutch	31 December 2024
Radialube 8365	Not limited by biodegradation and aquatic toxicity					100% A	100% D	91%	85% RSPO	Dutch	31 December 2024
Radialube 8366	Not limited by biodegradation and aquatic toxicity					100% A	100% D	87%	79% RSPO	Dutch	31 December 2024
PAESTER 9307/MB	Not limited by biodegradation and aquatic toxicity					100% A	100% D	100%	100% RSPO	Dutch	31 December 2024
PALUB 8236P/MB	Not limited by biodegradation and aquatic toxicity					100% A	100% D	<i>n.d.</i>	84% RSPO	Dutch	31 December 2024
PALUB 8257	Not limited by biodegradation and aquatic toxicity					100% A	100% D	<i>n.d.</i>		Dutch	31 December 2024
PALUB 8404	Not limited by biodegradation and aquatic toxicity					100% A	100% D	<i>n.d.</i>		Dutch	31 December 2024
PALUB 8404P/MB	Not limited by biodegradation and aquatic toxicity					100% A	100% D	<i>n.d.</i>	85% RSPO	Dutch	31 December 2024
PALUB 8406/MB	Not limited by biodegradation and aquatic toxicity					100% A	100% D	<i>n.d.</i>	79% RSPO	Dutch	31 December 2024
PALUB 8416	Not limited by biodegradation and aquatic toxicity					100% A	100% D	<i>n.d.</i>		Dutch	31 December 2024
PALUB 8407	Not limited by biodegradation and aquatic toxicity					100% A	100% D	0%		Dutch	31 December 2024
PALUB 8466	5.0%	15%	20%	15%	5.0%	15%	100% C	100% D	<i>n.d.</i>		Dutch
PALUB EF-46S	Not limited by biodegradation and aquatic toxicity					100% A	100% D	<i>n.d.</i>		Dutch	31 December 2024
PALUB EF-68S	Not limited by biodegradation and aquatic toxicity					100% A	100% D	<i>n.d.</i>		Dutch	31 December 2024
PALUB EF-140S/MB	Not limited by biodegradation and aquatic toxicity					100% A	100% D	<i>n.d.</i>	58% RSPO	Dutch	31 December 2024
PALUB EF-320S	Not limited by biodegradation and aquatic toxicity					100% A	100% D	<i>n.d.</i>		Dutch	31 December 2024
PALUB EF-1000S	Not limited by biodegradation and aquatic toxicity					100% A	100% D	<i>n.d.</i>		Dutch	31 December 2024
PALUB EF-3000S	Not limited by biodegradation and aquatic toxicity					100% A	100% D	<i>n.d.</i>		Dutch	31 December 2024
PALUB EF-46U/MB	Not limited by biodegradation and aquatic toxicity					100% A	100% D	<i>n.d.</i>	85% RSPO	Dutch	31 December 2024
PALUB EF-68U/MB	Not limited by biodegradation and aquatic toxicity					100% A	100% D	<i>n.d.</i>	81% RSPO	Dutch	31 December 2024
PALUB EF-140U/MB	Not limited by biodegradation and aquatic toxicity					100% A	100% D	<i>n.d.</i>	69% RSPO	Dutch	31 December 2024
PALUB EF-320U/MB	Not limited by biodegradation and aquatic toxicity					100% A	100% D	<i>n.d.</i>	69.8% RSPO	Dutch	31 December 2024
PALUB EF-1000U/MB	Not limited by biodegradation and aquatic toxicity					100% A	100% D	<i>n.d.</i>	58% RSPO	Dutch	31 December 2024
Nycobase 618 EL	Not limited by biodegradation and aquatic toxicity					100% A	100% D			Dutch	31 December 2024
Nycobase 3118 EL	Not limited by biodegradation and aquatic toxicity					100% A	100% D	<i>n.d.</i>		Dutch	31 December 2024
Nycobase 7300 EL	Not limited by biodegradation and aquatic toxicity					100% A	100% D	0%		Dutch	31 December 2024
Nycobase 8306 EL	Not limited by biodegradation and aquatic toxicity					100% A	100% D	84%	76% RSPO	Dutch	31 December 2024
Nycobase 8311 EL	Not limited by biodegradation and aquatic toxicity					100% A	100% D	83%	78% RSPO	Dutch	31 December 2024
Nycobase 8318S EL	Not limited by biodegradation and aquatic toxicity					100% A	100% D	88%	44% RSPO	Dutch	31 December 2024
Nycobase 8345 EL	Not limited by biodegradation and aquatic toxicity					100% A	100% D	86%	70% RSPO	Dutch	31 December 2024
Nycobase 8397 EL	Not limited by biodegradation and aquatic toxicity					100% A	100% D	50%	41% RSPO	Dutch	31 December 2024
Nycobase STM EL	Not limited by biodegradation and aquatic toxicity					100% A	100% D	91%		Dutch	31 December 2024
Nycobase 8103 EL	Not limited by biodegradation and aquatic toxicity					100% A	100% D	83%	78% RSPO	Dutch	31 December 2024
Nycobase 8361 EL	Not limited by biodegradation and aquatic toxicity					100% A	100% D	56%	48% RSPO	Dutch	31 December 2024
Nycobase 9300 EL	Not limited by biodegradation and aquatic toxicity					100% A	100% D	0%		Dutch	31 December 2024
Nycobase SMP EL	Not limited by biodegradation and aquatic toxicity					100% A	100% D	95%		Dutch	31 December 2024
Nycobase SNG EL	Not limited by biodegradation and aquatic toxicity					100% A	100% D	89%		Dutch	31 December 2024
BT4	Not limited by biodegradation and aquatic toxicity					100% A	100% D	<i>n.d.</i>		Dutch	31 December 2024

BT22	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>		Dutch	31 December 2024
BT75	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>		Dutch	31 December 2024
Lexolube® 3G-310	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>	86% RSPO	Dutch	31 December 2024
Lexolube® 3N-310	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>	79% RSPO	Dutch	31 December 2024
Lexolube® 3Q-310	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>	48% RSPO	Dutch	31 December 2024
Lexolube® 4N-415	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>	84% RSPO	Dutch	31 December 2024
Lexolube® B-109	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>	57% RSPO	Dutch	31 December 2024
Lexolube® CG-3000	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>		Dutch	31 December 2024
Lexolube® CLG-460	Not limited by biodegradation and aquatic toxicity						100% A	100% D	77%		Dutch	31 December 2024
Lexolube® CQ-3000	10%	20%	25%	20%	5%	20%	100% B	100% D	66%		Dutch	31 December 2024
Lexolube® FG-22 HX1	100%	100%	100%	100%	83%	100%	94% A; 6% B	100% D	79%	74% RSPO	Dutch	31 December 2024
Lubricit® TMP C9	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
Lubricit TMP C18-DF	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>		Dutch	31 December 2024
Hatcol 1754	Not limited by biodegradation and aquatic toxicity						100% A	100% D		18% NC(Palm)	Dutch	31 December 2024
Hatcol 1765	Not limited by biodegradation and aquatic toxicity						100% A	100% D		23% NC(Palm)	Dutch	31 December 2024
Hatcol 2901	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
Hatcol 2906	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
Hatcol 2910	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
Hatcol 2954	Not limited by biodegradation and aquatic toxicity						100% A	100% D		18% NC(Palm)	Dutch	31 December 2024
Hatcol 2965	Not limited by biodegradation and aquatic toxicity						100% A	100% D		23% NC(Palm)	Dutch	31 December 2024
Hatcol 2937	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>	77% NC(Palm)	Dutch	31 December 2024
Hatcol 2938	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>	77% NC(Palm)	Dutch	31 December 2024
Hatcol 3371	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>	50% NC(Palm)	Dutch	31 December 2024
Hatcol 5150	Not limited by biodegradation and aquatic toxicity						100% A	100% D		12% NC(Palm)	Dutch	31 December 2024
CalEster T	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>	79% NC(Palm)	Dutch	31 December 2024
GEOLube® 50 A 20	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
GEOLube® 50 A 32	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
GEOLube® 50 A 46	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
GEOLube® 50 A 50	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
GEOLube® 50 A 68	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
GEOLube® 50 A 75	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
GEOLube® 50 A 100	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
GEOLube® 50 A 140	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
GEOLube® 60 W 150	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
GEOLube® 60 W 220	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
GEOLube® 60 W 320	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
GEOLube® 60 W 460	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
GEOLube® 60 W 680	5.0%	15%	20%	15%	5.0%	15%	100% C	100% D	0%		Dutch	31 December 2024
GEOLube® 60 W 1000	5.0%	15%	20%	15%	5.0%	15%	100% C	100% D	0%		Dutch	31 December 2024
GEOLube® B 35	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
GEOLube® B 46	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
GEOLube® B 55	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
GEOLube® B 68	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
GEOLube® B 75	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
GEOLube® B 100	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
GEOLube® B 125	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024

GEOlube® B 150	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
GEOlube® B 225	5.0%	15%	20%	15%	5.0%	15%	100% C	100% D	0%		Dutch	31 December 2024
GEOlube® B 335	5.0%	15%	20%	15%	5.0%	15%	100% C	100% D	0%		Dutch	31 December 2024
DAKOLUB® MB 9001	Not limited by biodegradation and aquatic toxicity						100% A	100% D	97%		Dutch	31 December 2024
DAKOLUB® MB 9010	Not limited by biodegradation and aquatic toxicity						100% A	100% D	100%	37% NC(Palm)	Dutch	31 December 2024
DAKOLUB® MB 9038	Not limited by biodegradation and aquatic toxicity						100% A	100% D	53%		Dutch	31 December 2024
DAKOLUB® MB 9040	Not limited by biodegradation and aquatic toxicity						100% A	100% D	100%	48% NC(Palm)	Dutch	31 December 2024
DAKOLUB® MB 9206	Not limited by biodegradation and aquatic toxicity						100% A	100% D	91%		Dutch	31 December 2024
DAKOLUB® MB 9500	Not limited by biodegradation and aquatic toxicity						100% A	100% D	87%		Dutch	31 December 2024
DAKOLUB® MB 9600	Not limited by biodegradation and aquatic toxicity						100% A	100% D	90%		Dutch	31 December 2024
BergaBest GTCC 60 / 40	Not limited by biodegradation and aquatic toxicity						100% A	100% D	100%	100% RSPO	Dutch	31 December 2024
BergaLub DIDA	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
BergaLub DITA	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
BergaLub EHA	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
BergaLub EHO- M	Not limited by biodegradation and aquatic toxicity						100% A	100% D	71%	68% RSPO	Dutch	31 December 2024
BergaLub EHO- P	Not limited by biodegradation and aquatic toxicity						100% A	100% D	68%	68% RSPO	Dutch	31 December 2024
BergaLub ITS	Not limited by biodegradation and aquatic toxicity						100% A	100% D	61%	59% RSPO	Dutch	31 December 2024
BergaLub NPG 2	Not limited by biodegradation and aquatic toxicity						100% A	100% D	89%	85% RSPO	Dutch	31 December 2024
BergaLub PE 4	Not limited by biodegradation and aquatic toxicity						100% A	100% D	96%	89% RSPO	Dutch	31 December 2024
BergaLub T 900	Not limited by biodegradation and aquatic toxicity						100% A	100% D	82%	78% RSPO	Dutch	31 December 2024
BergaLub TMP 3	Not limited by biodegradation and aquatic toxicity						100% A	100% D	89%	86% RSPO	Dutch	31 December 2024
BergaLub TMP 3 LA	Not limited by biodegradation and aquatic toxicity						100% A	100% D	90%	86% RSPO	Dutch	31 December 2024
BergaLub TMP 3 T	Not limited by biodegradation and aquatic toxicity						100% A	100% D	88%	86% RSPO	Dutch	31 December 2024
BergaLub TMP HV 68	Not limited by biodegradation and aquatic toxicity						100% A	100% D	83%	80% RSPO	Dutch	31 December 2024
BergaLub TMP HV 320	Not limited by biodegradation and aquatic toxicity						100% A	100% D	72%	70% RSPO	Dutch	31 December 2024
BergaSolv EHC	Not limited by biodegradation and aquatic toxicity						100% A	100% D	61%		Dutch	31 December 2024
BergaSurf 1218 ME HSG	Not limited by biodegradation and aquatic toxicity						100% A	100% D	93%	87% RSPO	Dutch	31 December 2024
BergaSurf 18:1-98 ME	Not limited by biodegradation and aquatic toxicity						100% A	100% D	97%	90% RSPO	Dutch	31 December 2024
BergaSurf RME	Not limited by biodegradation and aquatic toxicity						100% A	100% D	95%		Dutch	31 December 2024
DOMEST 46	Not limited by biodegradation and aquatic toxicity						100% A	100% D	89%	85% NC(Palm)	Dutch	31 December 2024
DOMEST 68	Not limited by biodegradation and aquatic toxicity						100% A	100% D	86%	81% NC(Palm)	Dutch	31 December 2024
DOMEST BIO 46	Not limited by biodegradation and aquatic toxicity						100% A	100% D	73%	75% NC(Palm)	Dutch	31 December 2024
Durasyn 156	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
Paryol Cocoil 2F	Not limited by biodegradation and aquatic toxicity						100% A	100% D	n.d.	63% RSPO	Dutch	31 December 2024
TMP 46	Not limited by biodegradation and aquatic toxicity						100% A	100% D	92%	92% RSPO	Dutch	31 December 2024
TPO 10	Not limited by biodegradation and aquatic toxicity						100% A	100% D	95%	95% RSPO	Dutch	31 December 2024
Dapralube TO-HP	Not limited by biodegradation and aquatic toxicity						100% A	100% D	n.d.		Dutch	31 December 2024
Dapralube TO-HP-V-MB	Not limited by biodegradation and aquatic toxicity						100% A	100% D	n.d.	85% RSPO	Dutch	31 December 2024
Dapralube® 15	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
ColFadol 68	Not limited by biodegradation and aquatic toxicity						100% A	100% D	100%		Dutch	31 December 2024
ColFadol 2300D	Not limited by biodegradation and aquatic toxicity						100% A	100% D	100%		Dutch	31 December 2024
SunFadol 1000D	Not limited by biodegradation and aquatic toxicity						100% A	100% D	100%		Dutch	31 December 2024
ACITEM OL100A	Not limited by biodegradation and aquatic toxicity						100% A	100% D	100%		Dutch	31 December 2024
ACITEM OL100AG	Not limited by biodegradation and aquatic toxicity						100% A	100% D	100%		Dutch	31 December 2024
ACITEM OL100AV	Not limited by biodegradation and aquatic toxicity						100% A	100% D	100%		Dutch	31 December 2024
ACITEM OL100V	Not limited by biodegradation and aquatic toxicity						100% A	100% D	100%		Dutch	31 December 2024



TEMEST ML32sp RSPO MB	Not limited by biodegradation and aquatic toxicity						100% A	100% D		38% RSPO	Dutch	31 December 2024
TEMEST ML40sp	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
TEMEST ML46	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>		Dutch	31 December 2024
TEMEST ML460	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>		Dutch	31 December 2024
TEMEST ML46sp	Not limited by biodegradation and aquatic toxicity						100% A	100% D			Dutch	31 December 2024
TEMEST ML68	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>		Dutch	31 December 2024
TEMEST ML680	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>		Dutch	31 December 2024
TEMEST ML68sp RSPO MB	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>	56% RSPO	Dutch	31 December 2024
TEMEST MLZ110	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
CEREPLAS™ DIDA	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
CEREPLAS™ DOA	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
CEREPLAS™ DOS	Not limited by biodegradation and aquatic toxicity						100% A	100% D	39%		Dutch	31 December 2024
CEREPLAS™ DTDA	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
CEREPLAS™ IDTM	5.0%	15%	20%	15%	5.0%	15%	100% C	100% D	0%		Dutch	31 December 2024
CEREPLAS™ L810TM	10%	20%	25%	20%	5.0%	20%	100% B	100% D	0%		Dutch	31 December 2024
CEREPLAS™ OTM	5.0%	15%	20%	15%	5.0%	15%	100% C	100% D	0%		Dutch	31 December 2024
UCON OSP SVC 46	Not limited by biodegradation and aquatic toxicity						100% A	100% D		17% NC(Palm)	Dutch	31 December 2024
FUNCTIONAL V-5048	100%	100%	100%	100%	100%	100%	99% A; 1% C	100% D	75%		Dutch	31 December 2024
FUNCTIONAL V-5019	100%	100%	100%	100%	100%	100%	99% A; 1% C	100% D	62%		Dutch	31 December 2024
VBASE® 68SLV	Not limited by biodegradation and aquatic toxicity						100% A	100% D	57%		Dutch	31 December 2024
MI240 32 BASE	Not limited by biodegradation and aquatic toxicity						100% A	100% D	26%		Dutch	31 December 2024
Lubrizol® IG84GC	Not limited by biodegradation and aquatic toxicity						100% A	100% D	0%		Dutch	31 December 2024
NiMAC 1946	Not limited by biodegradation and aquatic toxicity						100% A	100% D	73%	75% NC(Palm)	Dutch	31 December 2024
NiMAC 2146	Not limited by biodegradation and aquatic toxicity						100% A	100% D	89%	85% NC(Palm)	Dutch	31 December 2024
NiMAC 2168	Not limited by biodegradation and aquatic toxicity						100% A	100% D	86%	81% NC(Palm)	Dutch	31 December 2024
Polylub 2146V	Not limited by biodegradation and aquatic toxicity						100% A	100% D	92%	92% NC(Palm)	Dutch	31 December 2024
Polylub PTO	Not limited by biodegradation and aquatic toxicity						100% A	100% D	95%	95% NC(Palm)	Dutch	31 December 2024
KAOLUBE 224	Not limited by biodegradation and aquatic toxicity						100% A	100% D	<i>n.d.</i>	6% RSPO	Dutch	31 December 2024

Brand name <sup>b,k,l</sup> Additives and Thickeners	Maximum allowed treat rate <sup>a,c</sup>						If less than 100% see <sup>d</sup> or <sup>e</sup>		Remark	CB Asses sed	Valid till
	ALL (No Grease)	ALL (Only Grease)	PLL (No Grease)	PLL (Only Grease)	TLL (No Grease)	TLL (Only Grease)	EEL Biodegradation <sup>d</sup>	EEL Aquatic Toxicity <sup>e</sup>			
							A/B/C/X/ <sup>-f</sup>	D/E/F/G/(M <sup>®</sup> )/ <sup>-f</sup>			
<b>Thickeners</b>											
Lubrizol® 75GR	5.0%	12%	12%	12%	5.0%	12%	100% C	100% D		Dutch	31 December 2024
DaeLim Synol 2000	5.0%	15%	20%	15%	5.0%	15%	100% C	100% D		Dutch	31 December 2024
Functional V-4051	-	45%	-	45%	-	45%	67% A; 33% C	100% D		Dutch	31 December 2024
Functional V-4051F	-	38%	-	38%	-	38%	60% A; 40% C	100% D		Dutch	31 December 2024
Glissopal® 2300	5.3%	10%	10%	10%	5.3%	10%	95% C	95% D		Dutch	31 December 2024
Glissopal® V 1500	5.3%	10%	10%	10%	5.3%	10%	95% C	95% D		Dutch	31 December 2024
<b>Extreme Pressure + Anti-Wear</b>											
Additin RC 2317	5.0%	15%	10%	15%	2%	10%	100% C	100% E		Dutch	31 December 2024
Additin RC 2415	7.5%	16%	15%	16%	3.0%	15%	40% B; 60% C	36% D; 60% E		Dutch	31 December 2024

Additin RC 2515	7.0%	7.0%	7.0%	7.0%	6.3%	7.0%	20%C; 80%B	20%E; 73%D		Dutch	31 December 2024
Additin RC 2540	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	-	-(M=1)	Several chemicals with one at 40%	Dutch	31 December 2024
Additin RC 3760	2.5%	1.0%	0.60%	0.60%	0.40%	0.40%	100%C	100%F		Dutch	31 December 2024
Additin RC 3775	2.5%	1.3%	0.75%	0.75%	0.50%	0.50%	96%C	80%F; 20%E		Dutch	31 December 2024
Additin RC 3890	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	100%C	100%D	Limited by H317		
Additin RC 5250	10%	20%	25%	20%	5.0%	20%	100%B	100%D		Dutch	31 December 2024
Additin RC 6340	5.0%	15%	20%	15%	5.0%	15%	100%C	100%D		Dutch	31 December 2024
Additin RC 8000	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	92%C	92%D		Dutch	31 December 2024
Additin RC 8012	Not limited by biodegradation and aquatic toxicity						100%A	100%D	Biobased fraction: <i>n.d.</i> Fraction cert. ren. ingredients: 63%NC(Palm) <sup>h,j</sup>	Dutch	31 December 2024
Additin RC 82.001	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	81%C	90%E		Dutch	31 December 2024
Additin RC 8210	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	80%C	100%E		Dutch	31 December 2024
Additin RC 8213	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	91%C	100%E		Dutch	31 December 2024
Irgalube 211	1.0%	1.0%	0.60%	0.60%	0.40%	0.40%	100%C	100%F	ALL-No Grease decreased because of new concentration ranges on SDS	Dutch	31 December 2024
Irgalube 349	2.5%	1.0%	0.60%	0.60%	0.40%	0.40%	100%C	100%F		Dutch	31 December 2024
Irgalube 353	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	100%C	100%E	Limited by H317	Dutch	31 December 2024
Irgalube 355	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	100%C	100%E		Dutch	31 December 2024
Irgalube TPPT	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	-	100%D		Dutch	31 December 2024
KOMAD 503	-	5%	-	5%	-	5%	99%C	100%D		Dutch	31 December 2024
MC 210	0.90%	0.90%	0.90%	0.90%	0.90%	0.90%	89%C	100%E		Dutch	31 December 2024
MC 212	0.40%	0.40%	0.40%	0.40%	0.40%	0.40%	70%C	100%E		Dutch	31 December 2024
MC 213	0.90%	0.90%	0.90%	0.90%	0.90%	0.90%	89%C	100%E		Dutch	31 December 2024
MC 222	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	60%C	100%E		Dutch	31 December 2024
MC 223	0.53%	0.53%	0.53%	0.53%	0.53%	0.53%	81%C	100%E		Dutch	31 December 2024
MC TPPT	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	-	100%D		Dutch	31 December 2024
K-CORR® NF-400	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	91%C	100%E		Dutch	31 December 2024
K-CORR® NF-410	0.67%	0.67%	0.67%	0.67%	0.67%	0.67%	82%C	100%D		Dutch	31 December 2024
KX1323	1.8%	1.8%	1.8%	1.8%	1.8%	1.8%	83%C	76%D		Dutch	31 December 2024
NA-LUBE® ADTC	5.0%	15%	20%	15%	5.0%	15%	99%C	100%D		Dutch	31 December 2024
NA-LUBE® AW-6330	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	99%C	100%D		Dutch	31 December 2024
NA-LUBE® BL 1232EL	1.8%	1.8%	1.8%	1.8%	1.8%	1.8%	77%C	78%D		Dutch	31 December 2024
VANLUBE® 289	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	90%A; 10%C	90%E; 10%D		Dutch	31 December 2024
VANLUBE® 972M	0.67%	0.67%	0.67%	0.67%	0.67%	0.67%	45%A; 40%C	45%D; 40%F		Dutch	31 December 2024
OCTOPOL MB	5.0%	15%	20%	15%	5.0%	15%	99%C	100%D		Dutch	31 December 2024
Desilube 88	3.3%	3.3%	3.3%	3.3%	3.3%	3.3%	100%C	30%D; 70%E		Dutch	31 December 2024
Desilube 98F	5.0%	10%	10%	10%	3.6%	10%	100%C	45%D; 55%E		Dutch	31 December 2024
Desilube 99EL	5.0%	5.0%	5.0%	5.0%	2.0%	5.0%	100%C	100%E		Dutch	31 December 2024
Desilube 99FEL	7.0%	7.0%	7.0%	7.0%	5.3%	7.0%	4%A; 95%C	61%D; 34%E		Dutch	31 December 2024
DeoAdd MRD 10	5.0%	15%	20%	15%	5.0%	15%	100%C	100%D	Biobased fraction: <i>n.d.</i>	Dutch	31 December 2024
DeoAdd MRD 16	10%	20%	25%	20%	5.0%	20%	100%B	100%D	Biobased fraction: <i>n.d.</i>	Dutch	31 December 2024
DeoAdd MRZ 16	10%	20% 10%	25% 10%	20% 10%	5.0%	20% 10%	100%B	100%D	Biobased fraction: <i>n.d.</i> . Treat rate decreases because of outcome Art 41 procedure of REACH by ECHA.	Dutch	31 December 2024

DeoAdd V 300	5.0%	10%	10%	10%	5.0%	10%	99%C	100%D		Dutch	31 December 2024
Deophos 228	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	100%A	100%G (M=1)		Dutch	31 December 2024
Deophos 218	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	100%C	100%D	Limited by H317	Dutch	31 December 2024
Addosan™ EPC 127	2.5%	1.0%	0.60%	0.60%	0.40%	0.40%	100%C	100%F		Dutch	31 December 2024
LUBIO® AW 8-HQ	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	100%A	97.5%D;2.5%G(M=1)		Dutch	31 December 2024
LUBIO® AW 15	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	75%A; 25%B	75%D; 25%E		Dutch	31 December 2024
LUBIO® EP 5	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	60%C	100%E		Dutch	31 December 2024
LUBIO® EP 14	5.0%	15%	10%	15%	2.0%	10%	100%C	100%E		Dutch	31 December 2024
LUBRIZOL® 5069	5.0%	15%	20%	15%	5.0%	15%	99%C	100%D		Dutch	31 December 2024
LUBRIZOL® 5101A	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	91%C	100%E		Dutch	31 December 2024
Lubrizol® 5333	10%	20%	25%	20%	5.0%	20%	100%B	100%D	Bio-based fraction: 100%	Dutch	31 December 2024
Lubrizol® 5358	5.0%	12%	12%	12%	5.0%	12%	100%C	100%D		Dutch	31 December 2024
LUBRIZOL® 5955A	0.67%	0.67%	0.67%	0.67%	0.67%	0.67%	82%C	100%D		Dutch	31 December 2024
ADDCO™ CP-NF-5	0.67%	0.67%	0.67%	0.67%	0.67%	0.67%	82%C	100%D		Dutch	31 December 2024
LUBRIZOL® IC9AD37	2.5%	1.0%	0.6%	0.6%	0.4%	0.4%	100%C	100%F		Dutch	31 December 2024
LUBRIZOL® IC9AW1	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	100%A	100%E	Fraction cert. ren. ingredients: 83%NC(Palm)	Dutch	31 December 2024
LUBRIZOL® IC9AW31	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	91%C	100%E		Dutch	31 December 2024
SULFAD 1523 E	6.3%	10%	10%	10%	6.3%	10%	21%A; 79%C	100%D	Biobased fraction: <i>n.d.</i>	Dutch	31 December 2024
SULFAD 1710 E	6.3%	19%	20%	19%	6.3%	19%	20%A; 80%C	100%D		Dutch	31 December 2024
SULFAD 1711 E	6.3%	10%	10%	10%	6.3%	10%	20%A; 79%C	99%D; 1%E		Dutch	31 December 2024
NiMAC ADTC	5%	15%	20%	15%	5%	15%	100%C	100%D		Dutch	31 December 2024
<b>Antioxidant</b>											
Naugalube 438 L	5.0%	10%	10%	10%	10%	10%	100%C	99%D; 1%G(M=1)		Dutch	31 December 2024
Naugalube 438	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	93%C	100%D		Dutch	31 December 2024
Naugalube 531	5.0%	15%	20%	15%	5.0%	15%	100%C	100%D		Dutch	31 December 2024
Naugalube 750									Withdrawn as of Sept 1 <sup>st</sup> 2022	Dutch	31 December 2024
Additin RC 7001	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	93%C	100%D		Dutch	31 December 2024
Irganox L 06	5.0%	15%	20%	15%	5.0%	15%	100%C	100%D		Dutch	31 December 2024
Irganox L 57									Withdrawn as of Sept 1 <sup>st</sup> 2022	Dutch	31 December 2024
Irganox L 64									Withdrawn as of Sept 1 <sup>st</sup> 2022	Dutch	31 December 2024
Irganox L 67	5.0%	15%	20%	15%	5.0%	15%	100%C	100%D		Dutch	31 December 2024
Irganox L 101	5.0%	15%	20%	15%	5.0%	15%	100%C	100%D		Dutch	31 December 2024
Irganox L 107	5.0%	15%	20%	15%	5.0%	15%	100%C	100%D		Dutch	31 December 2024
Irganox L 109	5.0%	15%	20%	15%	5.0%	15%	100%C	100%D		Dutch	31 December 2024
Irganox L 115	5.0%	15%	20%	15%	5.0%	15%	100%C	100%D		Dutch	31 December 2024
Irganox L 125	5.0%	15%	20%	15%	5.0%	15%	100%C	100%D		Dutch	31 December 2024
Irganox L 135	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	96%C	100%D		Dutch	31 December 2024
Irganox L 150									Withdrawn as of Sept 1 <sup>st</sup> 2022	Dutch	31 December 2024
SONGNOX® L101	5.0%	15%	20%	15%	5.0%	15%	100%C	100%D		Dutch	31 December 2024
SONGNOX® L107	5.0%	15%	20%	15%	5.0%	15%	100%C	100%D		Dutch	31 December 2024
SONGNOX® L115	5.0%	15%	20%	15%	5.0%	15%	100%C	100%D		Dutch	31 December 2024
SONGNOX® L135	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	97%C	100%D		Dutch	31 December 2024
SONGNOX® L570									Withdrawn as of Sept 1 <sup>st</sup> 2022	Dutch	31 December 2024
SONGNOX® L670	5%	10%	10%	10%	5%	10%	99%C	100%D		Dutch	31 December 2024



VANLUBE® 961									Withdrawn as of Sept 1 <sup>st</sup> 2022	Dutch	31 December 2024
VANLUBE® BHC	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	97% C	100% D	Dutch	31 December 2024
VANLUBE® 81	5.0%	15%	20%	15%	5.0%	15%	100% C	100% D		Dutch	31 December 2024
VANLUBE® 7723	5.0%	15%	20%	15%	5.0%	15%	99% C	100% D		Dutch	31 December 2024
VANLUBE® 407	5.9%	6.7%	4.0%	4.0%	2.7%	2.7%	15% B; 84% C	85% D; 15% F		Dutch	31 December 2024
VANLUBE® 996E	0.58%	0.58%	0.58%	0.58%	0.58%	0.58%	7% A; 92% C	95% D; 5% F		Dutch	31 December 2024
CHE®-APC-18	5.0%	15%	20%	15%	5.0%	15%	100% C	100% D		Dutch	31 December 2024
IONOL 135	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	99% C	100% D		Dutch	31 December 2024
LUBIO® AO 5	5.0%	15%	20%	15%	5.0%	15%	100% C	100% D		Dutch	31 December 2024
LUBIO® AO 7	5.0%	15%	20%	15%	5.0%	15%	100% C	100% D		Dutch	31 December 2024
LUBIO® AO 11	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	96% C	100% D		Dutch	31 December 2024
LUBIO® AO 18	5.0%	15%	20%	15%	5.0%	15%	100% C	100% D		Dutch	31 December 2024
LUBIO® AO 24									Withdrawn as of Sept 1 <sup>st</sup> 2022	Dutch	31 December 2024
LUBIO® AS 9									Withdrawn as of Sept 1 <sup>st</sup> 2022	Dutch	31 December 2024
LUBRIZOL® 5150C	5%	10%	10%	10%	5%	10%	100% C	99% D; 1% G(M=1)		Dutch	31 December 2024
LUBRIZOL® 5161	5%	10%	10%	10%	5%	10%	100% C	99% D; 1% G(M=1)		Dutch	31 December 2024
LUBRIZOL® GR9510	5%	10%	10%	10%	5%	10%	100% C	99% D; 1% G(M=1)		Dutch	31 December 2024
LUBRIZOL® 8658	2.5%	2.5%	0.6%	0.6%	0.4%	0.4%	100% C	100% F		Dutch	31 December 2024
YALUB®BODPA									Withdrawn as of Sept 1 <sup>st</sup> 2022	Dutch	31 December 2024
YALUB®PA 135	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	91% C	100% D		Dutch	31 December 2024
<b>Corrosion Inhibitor</b>											
Additin RC 4801	0.32%	0.32%	0.32%	0.32%	0.32%	0.32%	65% C	70% E; 30% D		Dutch	31 December 2024
Additin RC 8221									Withdrawn as of May 30th, 2021	Dutch	31 December 2024
Additin RC 8239	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	100% C	100% G (M=1)		Dutch	31 December 2024
Additin RC 4810	0.93%	0.93%	0.93%	0.93%	0.93%	0.93%	80% C	80% D		Dutch	31 December 2024
Sarkosyl O	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	-	-(M=1)		Dutch	31 December 2024
Irgacor L 12	0.80%	0.80%	0.80%	0.80%	0.80%	0.80%	80% C	75% D; 25% E		Dutch	31 December 2024
NA-SUL® CA-770FG	5.0%	10%	10%	10%	5.0%	10%	99% C	99% D		Dutch	31 December 2024
VANLUBE® 887	5.0%	2.0%	1.2%	1.2%	0.80%	0.80%	100% C	50% D; 50% F		Dutch	31 December 2024
VANLUBE® RI-A	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	69% C	52% E; 48% D		Dutch	31 December 2024
ALOX® 2116	10%	10%	10%	10%	10%	10%	100% B	100% D		Dutch	31 December 2024
LUBRIZOL® 5954AIM	5.0%	10%	10%	10%	2.0%	10%	100% C	100% E		Dutch	31 December 2024
LUBRIZOL® 5399									Withdrawn as of January 01, 2022	Dutch	31 December 2024
LUBRIZOL® IC9AW46	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	100% B	100% E		Dutch	31 December 2024
MC A45A	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	100% B	100% E		Dutch	31 December 2024
<b>Detergent/Emulsifier</b>											
Emulsogen MTP 070	2.5%	1.0%	0.60%	0.60%	0.40%	0.40%	100% A	100% F	Fraction cert. ren. ingredients: 31% RSPO <sup>j</sup>	Dutch	31 December 2024
IFRALAN CS3370/MB	10%	20%	10%	15%	2.0%	10%	100% A	100% E	Fraction cert. ren. ingredient: 21% RSPO <sup>j</sup>	Dutch	31 December 2024
<b>Viscosity modifier/Pour Point depressant/Viscosity Improvers</b>											
Functional PD-585	6.1%	18%	24%	18%	6.1%	18%	18% A; 82% C	100% D	Biobased fraction: <i>n.d.</i> <sup>i</sup>	Dutch	31 December 2024

									Fraction cert. ren. ingredients: 74%NC(Palm) <sup>h,j</sup>		
Functional PD-590	8%	25%	33%	25%	8%	25%	40%A; 60%C	100%D	Fraction cert. ren. ingredients: 46%NC(Palm) <sup>h,j</sup>	Dutch	31 December 2024
Functional V-188P2	5.2%	5.3%	5.3%	5.3%	5.2%	5.3%	97%C; 3%A	100%D		Dutch	31 December 2024
Functional V-508	30%	30%	30%	30%	30%	30%	85%A; 15%C	100%D		Dutch	31 December 2024
Functional V-508F	25%	25%	25%	25%	25%	25%	70%A; 30%C	100%D		Dutch	31 December 2024
Functional V-508M	16%	25%	25%	25%	16%	25%	80%A; 20%C	100%D		Dutch	31 December 2024
Functional V-508S	5.0%	10%	10%	10%	5.0%	10%	100%C	100%D		Dutch	31 December 2024
Functional V-508A5	20%	40%	40%	40%	20%	40%	75%A; 25%C	100%D		Dutch	31 December 2024
Functional V-515	50%	100%	100%	100%	50%	100%	90%A; 10%C	100%D		Dutch	31 December 2024
Functional V-516	45%	100%	100%	100%	45%	100%	89%A; 11%C	100%D		Dutch	31 December 2024
Functional V-521	28%	83%	100%	83%	28%	83%	82%A; 18%C	100%D		Dutch	31 December 2024
Functional V-521L	62%	100%	100%	100%	62%	100%	92%A; 8%C	100%D		Dutch	31 December 2024
Functional V-584	20%	20%	20%	20%	20%	20%	95%A; 5%C	100%D		Dutch	31 December 2024
Viscoplex 8-891	5.0%	7.5%	7.5%	7.5%	5.0%	7.5%	100%C	100%D	Fraction cert. ren. ingredients: 7.5%RSPO <sup>h,j</sup>	Dutch	31 December 2024
Viscoplex 1-807	5.0%	7.5%	7.5%	7.5%	5.0%	7.5%	100%C	100%D	Fraction cert. ren. ingredients: 7.5%RSPO <sup>h,j</sup>	Dutch	31 December 2024
Viscoplex 10-310	7.1%	21%	29%	21%	7.1%	21%	30%A; 70%C	100%D	Fraction cert. ren. ingredients: 7.6%RSPO <sup>h,j</sup>	Dutch	31 December 2024
Viscoplex 10-950	13%	38%	50%	38%	13%	38%	61%A; 39%C	100%D	Fraction of cert. ren. ingredients: 19%RSPO <sup>h,j</sup>	Dutch	31 December 2024
Viscoplex 8-219	7.1%	10%	10%	10%	7.1%	10%	28%B; 71%C	100%D	Biobased fraction: 37%; Fraction cert. ren. ingredients: 42%RSPO <sup>h,j</sup>	Dutch	31 December 2024
Kusacryl 952	14,28	42,85	57,14	42,85	14,28	42,85	65% A; 35% C	100% D	Biobased fraction : 86%	Germ any	31 December 2024
LUBIO® TF 1	50%	100%	100%	100%	50%	100%	90%A;10%C	100%D		Dutch	31 December 2024
Irgaflo® 1100 V	7.1%	21%	29%	21%	7.1%	21%	30%B; 70%C	100%D		Dutch	31 December 2024
LUBRIZOL® 7067C	5.0%	15%	20%	15%	5.0%	15%	100%C	100%D		Dutch	31 December 2024
LUBRIZOL® 7306	5.0%	15%	20%	15%	5.0%	15%	100%C	100%D		Dutch	31 December 2024
LUCANT™ HC-2000	5.0%	15%	20%	15%	5.0%	15%	100%C	100%D		Dutch	31 December 2024
<b>Antifoam/Demulsifier/Dispersant</b>											
Functional DF-400	9.8%	-	9.8%	-	9.8%	-	52%A; 48%C	100%D		Dutch	31 December 2024
Functional DF-500	20%	-	20%	-	20%	-	95%A; 5%C	100%D		Dutch	31 December 2024
Functional DM-400	5.0%	9.6%	9.6%	9.6%	5.0%	9.6%	99%C	99%D		Dutch	31 December 2024
LUBRIZOL® 889D	5.0%	11%	11%	11%	5.0%	11%	100%C	100%D		Dutch	31 December 2024
<b>Complete additive package</b>											
Additin M93.001	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	88%C	87%D	Fraction of PO/PKO: 34%NC(Palm) <sup>h,j</sup>	Dutch	31 December 2024
Additin M10.456	3.0%	1.3%	0.8%	0.8%	0.5%	0.5%	97%C	20%E; 80%F		Dutch	31 December 2024
Functional HF-595	2.2%	2.2%	2.2%	2.2%	2.2%	2.2%	80%C	88%E		Dutch	31 December 2024
Functional SGP-563	7.6%	23%	30%	23%	7.6%	23%	34%A; 65%C	99%D		Dutch	31 December 2024
Lubrizol® 5686EL	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	99%C	81%D; 17%E		Dutch	31 December 2024

Lubrizol® IG22EL	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%	24% A; 54% B; 14% C	19% D; 69% E	Fraction certified renewable material: 46% NC (Palm)	Dutch	31 December 2024
Irgapac H 811									Withdrawn as of Sept 1 <sup>st</sup> 2022	Dutch	31 December 2024
HiTEC® 301 Performance Additive	1.0%	1.0%					54% B; 38% C	100% D		Dutch	31 December 2024
<b>Other (specified in the remark field)</b>											
UCON OSP-32	Not limited by biodegradation and aquatic toxicity						100% A	100% D	Friction modifier and polarity enhancer	Dutch	31 December 2024
UCONWG-1	Not limited by biodegradation and aquatic toxicity						100% A	100% D	Stabilizer	Dutch	31 December 2024
UCON OSP SVC 32	10%	20%	10%	15%	2.0%	10%	100% A	100% E	Friction modifier and Lubricity additive. Fraction certified renewable material: 23% NC (Palm)	Dutch	31 December 2024
Additin RC 5010	10%	20%	10%	15%	2.0%	10%	100% A	100% E	Lubricity additive	Dutch	31 December 2024
Additin RC 8103	Not limited by biodegradation and aquatic toxicity						100% A	100% D	Lubricity additive	Dutch	31 December 2024
Irgamet TTZ	2.5% 0.010%	1.0% 0.010%	0.60% 0.010%	0.60% 0.010%	0.40% 0.010%	0.40% 0.010%	100% C	100% F	Metal deactivator. Treat rate decreases because of outcome Art 41 procedure of REACH by ECHA	Dutch	31 December 2024
Irgamet 39	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	100% C	100% G (M=1)	Metal deactivator	Dutch	31 December 2024
Irgafos 168	5.0%	15%	20%	15%	5.0%	15%	100% C	100% D	Secondary antioxidant	Dutch	31 December 2024
Irgamet BTZ	2.5%	2.5%	2.5%	2.0%	2.5%	2.5%	100% C	100% E	Metal deactivator	Dutch	31 December 2024
Tac Oil BA	55,5	100	100	100	55,5	100	91% A; 9% C	100% D	Trackiness Agent Biobased fraction: 100%	Germ any	31 December 2024
Adichem BA	55,5	100	100	100	55,5	100	91% A; 9% C	100% D	Trackiness agent Biobased fraction: 100%	Germ any	31 December 2024
Genamin Gluco 50	Not limited by biodegradation and aquatic toxicity						100% A	100% D	Neutralization agent Biobased fraction: 73%	Dutch	31 December 2024
LUBIO® MD 3	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	75% B; 25% C	100% F	Metal Deactivator	Dutch	31 December 2024
LUBIO® MD 6	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	60% C	100% E	Metal Deactivator	Dutch	31 December 2024
SKOSANOR™ KSP 93	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	100% C	100% G (M=1)	Metal deactivator	Dutch	31 December 2024
SP CRODADIC DC 1195 MBAL-FL-(SI)		10%		10%		10%	100% A	100% E	Grease complexing agent. Biobased fraction: 100% <sup>hi</sup> Fraction certified renewable ingredient 100% RSPO <sup>a,hj</sup>	Dutch	31 December 2024
PERFAD 3100-LQ-(MV)	10%	20%	25%	20%	2%	20%	100% A	100% E	Friction modifier. Biobased fraction: <i>n.d.</i> <sup>hi</sup>	Dutch	31 December 2024

- In case the treat rates and the fraction certified renewable material indicated on the LuSC-list and on the LoC are different, the **most recent** data are valid.
- Substances that are excluded by EU decision 2018/1702/EU according to Criterion 1 and uncertified Palm oil or Palm Kernel oil are not present above 0.010% in the final composition.
- The treat rate is usually set by the supplier before the assessment. Highest treat rate is applied in case the additive may possess different functions. **The same or a lower treat rate for ANOTHER function does not alter its final EEL classification but in the ecolabel application form the correct function must be stated.**
- In case classification of the biodegradation has not been set at 100% but at a smaller fraction, e.g. 30%, then the total fraction with the specific classification is equal to the fraction of the treat rate applied by the applicant multiplied by the indicated fraction of the classification; e.g. 0.6% (applied treat rate) \* 80% C (assessed)

fraction of biodegradation) is equal to 0.48% C. The value of 0.48% must be filled in in the application form for the brand name on biodegradation. The fraction not assessed on biodegradation is then automatically  $0.60 - 0.48 = 0.12\%$ .

- e) In case the classification of the aquatic toxicity has not been set at 100% but at a smaller fraction, e.g. 30%, then the total fraction with the specific classification is equal to the fraction of the treat rate applied by the applicant multiplied by the indicated fraction of the classification, e.g. 0.6% (applied treat rate) \* 80% E is total of 0.48% E for the brand name. The value of 0.48% must be used in the application form. The fraction unassessed on aquatic toxicity is then automatically  $0.60 - 0.48 = 0.12\%$ .
- f) – means that it was not necessary to assess the substance(s) in the lubricant based on the stated maximum treat rate and the 0.1% limit in the ecolabel criteria for biodegradation, aquatic toxicity and renewability.
- g) M = Multiplication factor for a substance that has an acute aquatic toxicity classified as very toxic (G).
- h) Related to Criterion 4 of the EU decision 2018/1702/EU.
- i) bio-based fraction must be larger than >25% based on valid C-14 method. If the bio-based fraction is not established yet but renewable fraction based on C-counting method is >50%, the entry will indicate *n.d.* indicating that the bio-based fraction has not been established yet.
- j) The fraction of certified renewable ingredients required for optional criterion 8c is indicated here. If nothing is stated it means that the applicant has declared that no certified material has been used in the manufacturing process. If stated e.g. *50%RPSO* it indicates that the applicant has stated that this is the complete fraction of Palm oil or Palm Kernel oil applied in the product process AND that the manufacturing company has a valid RSPO certificate at the time of application. Currently only an RSPO certification scheme is approved. If another certification scheme may have been approved later then the common abbreviation of that scheme will be indicated. If stated e.g. *50%NC (Not Certified)(Palm)* it indicates that the company of the applicant has stated that 50% of the mass of the based fluid originates from palm oil or palm kernel oil, that this is the complete fraction of Palm oil or Palm Kernel oil applied in the product but the company cannot submit a valid RSPO certificate or any other relevant certificate. The applicant must buy in due time the appropriate amount of credits for the specific type of renewable material which is palm oil in this case.
- k) In case of any modifications in the composition and/or in the CLP classification of the product, the supplier shall without delay notify the competent body, that assessed the product concerned.
- l) Only in case the name on the LuSc-list or LoC matches exactly the tradename on its corresponding SDS the treat rates and assessments are valid.