Lubricant Substance Classification list (LuSC-list)

Version date: 26/02/2021

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 A/B/C/X/- ^f	EEL Aquatic Toxocity D/E/F/G(M^g)/- ^f	Remarks
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 stearate, 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 C6H12O7.xNa	14906-97-9	238-976-7	100%A	100%D	Organic substance listed in Annex I of Regulation 987/2008
D-glucitol monostearate C24H48O7	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 C16H32O2	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 C18H36O2	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 C18H34O2	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 C12H24O2	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 C18H34O2K	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 C18H36O2.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. (Helianthus annuus, 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 (Soja hispida, 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 (Carthamus tinctorius, 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 (Linum usitatissimum, 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 (Zea mays, 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 (Ricinus communis, 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^a

			Maximum treat				If less the see d					
Brand name ^b Base fluids	ALL (No Grease)	ALL (Only Grease)	PLL (No Grease)	PLL (Only Grease)	TLL (No Grease)	TLL (Only Grease)	EEL Biodegradation ^d A/B/C/X/- ^f	EEL Aquatic Toxocity ^e D/E/F/G(M ^g)/- ^f	Biobased fraction ^{h,i}	Fraction certified renewable ingredients ^{h,j}	CB Assessed	Valid till
						Paga	fluids ⁱ					
Novvi EL22		Not limited b	w biodegrada	tion and aqua	tic toxicity	Dasc	100%A	100%D	100%		Dutch	31 December 2024
Novvi EL26		Not limited b	, U		2		100%A	100%D	100%		Dutch	31 December 2024
NovaSpec EL34		Not limited b	, U		2		100%A	100%D	53%		Dutch	31 December 2024
NovaSpec 1250	10%	20%	25%	20%	5.0%	20%	100%R	100%D	53%		Dutch	31 December 2024
Oxlube L9-TMP		Not limited b				2070	100%B	100%D	0%		Dutch	31 December 2024
DOCADIT 10000 MB							100%A	100%D	91%	50%RSPO	Dutch	31 December 2024
DOCADIT 10010	Not limited by biodegradation and aquatic toxicity Not limited by biodegradation and aquatic toxicity						100%A	100%D	92%	50/01010	Dutch	31 December 2024
DOCADIT 3200 MB		Not limited b	1				100%A	100%D	87%	43%RSPO	Dutch	31 December 2024
DOCADIT 440 MB		Not limited b	, U		2		100%A	100%D	90%	85%RSPO	Dutch	31 December 2024
DOCADIT 470		Not limited b					100%A	100%D	89%	05/01010	Dutch	31 December 2024
DOCADIT 5000		Not limited b	<u> </u>				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 b	v biodegrada				100%A	100%D	100%	83%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 b	v biodegrada	tion and aqua	tic toxicity		100%A	100%D	19%		Dutch	31 December 2024
SOLDOC 3/134		Not limited b	, U		2		100%A	100%D	92%		Dutch	31 December 2024
SOLDOC 4/136		Not limited b	<u> </u>				100%A	100%D	95%		Dutch	31 December 2024
WAGLINOL 4/13680 MB		Not limited b	<u> </u>				100%A	100%D	90%	82%RSPO	Dutch	31 December 2024
WAGLINOL 3/13480 MB		Not limited b	<u> </u>				100%A	100%D	83%	78%RSPO	Dutch	31 December 2024
WAGLINOL 13088 F MB		Not limited b	y biodegrada	tion and aqua	tic toxicity		100%A	100%D	61%	67%RSPO	Dutch	31 December 2024
WEICHOL 3/134A MB		Not limited b	y biodegrada	tion and aqua	tic toxicity		100%A	100%D	88%	80%RSPO	Dutch	31 December 2024
WEICHOL 3/134W MB		Not limited b	y biodegrada	tion and aqua	tic toxicity		100%A	100%D	91%	86%RSPO	Dutch	31 December 2024
LIGALUB 18 TMP A-MB		Not limited b	y biodegrada	tion and aqua	tic toxicity		100%A	100%D	91%	86%RSPO	Dutch	31 December 2024
LIGALUB 19 TMP-MB		Not limited b	y biodegrada	tion and aqua	tic toxicity		100%A	100%D	81%	78%RSPO	Dutch	31 December 2024
LIGALUB 56 PE-MB		Not limited b	y biodegrada	tion and aqua	tic toxicity		100%A	100%D	95%	82%RSPO	Dutch	31 December 2024
LIGALUB L 101-MB		Not limited b	y biodegrada	tion and aqua	tic toxicity		100%A	100%D	74%	59%RSPO	Dutch	31 December 2024
LIGALUB L 102-MB		Not limited b	y biodegrada	tion and aqua	tic toxicity		100%A	100%D	71%	67%RSPO	Dutch	31 December 2024
LIGALUB L 103 D/500-MB		Not limited b	y biodegrada	tion and aqua	tic toxicity		100%A	100%D	87%	59%RSPO	Dutch	31 December 2024
LIGALUB L 103 D-MB		Not limited b	y biodegrada	tion and aqua	tic toxicity		100%A	100%D	96%	60%RSPO	Dutch	31 December 2024
LIGALUB L 103 DZ-MB		Not limited b	y biodegrada	tion and aqua	tic toxicity		100%A	100%D	96%	60%RSPO	Dutch	31 December 2024
LIGALUB L 103-MB	Not limited by biodegradation and aquatic toxicity						100%A	100%D	71%	64%RSPO	Dutch	31 December 2024
LIGALUB L 105-MB	Not limited by biodegradation and aquatic toxicity						100%A	100%D	63%	59%RSPO	Dutch	31 December 2024
LIGALUB L 107 D-MB		Not limited b	y biodegrada	tion and aqua	tic toxicity		100%A	100%D	75%	48%RPSO	Dutch	31 December 2024
LIGALUB L 108 D-MB		Not limited b	y biodegrada	tion and aqua	atic toxicity		100%A	100%D	89%	48%RSPO	Dutch	31 December 2024

LIGALUB L 108-MB	Not limited by biodegradation and aquatic toxicity	100%A	100%D	62%	50%RSPO	Dutch	31 December 2024
LIGALUB L 110-MB	Not limited by biodegradation and aquatic toxicity	100%A	100%D	85%	80%RSPO	Dutch	31 December 2024 31 December 2024
Polyglykol B11/30	Not limited by biodegradation and aquatic toxicity	100%A	100%D	0%	00/01010	Dutch	31 December 2024
Hostagliss L4	Not limited by biodegradation and aquatic toxicity	100%A	100%D	100%		Dutch	31 December 2024
Matrilox LP101M	Not limited by biodegradation and aquatic toxicity	100%A	100%D	83%		Dutch	31 December 2024
Matrilox LL101M	Not limited by biodegradation and aquatic toxicity	100%A	100%D	81%		Dutch	31 December 2024
Matrilox LP102M	Not limited by biodegradation and aquatic toxicity	100%A	100%D	83%		Dutch	31 December 2024
Matrilox LP201M	Not limited by biodegradation and aquatic toxicity	100%A	100%D	79%		Dutch	31 December 2024 31 December 2024
Matrilox LP 201M Matrilox LP601M	Not limited by biodegradation and aquatic toxicity	100%A	100%D	100%		Dutch	31 December 2024 31 December 2024
Rodalube 118 /MB	Not limited by biodegradation and aquatic toxicity	100%A	100%D	n.d.	68%RSPO	Dutch	31 December 2024 31 December 2024
Rodalube 60046 /MB	Not limited by biodegradation and aquatic toxicity	100%A	100%D	n.a. n.d.	67%RSPO	Dutch	31 December 2024 31 December 2024
		100%A	100%D		67%RSPO	Dutch	31 December 2024 31 December 2024
Rodalube 60046 M/MB	Not limited by biodegradation and aquatic toxicity		100%D	n.d.	80%RSPO		
Rodalube 61068A /MB	Not limited by biodegradation and aquatic toxicity	100%A		n.d.		Dutch	31 December 2024
Rodalube 618 AH /MB	Not limited by biodegradation and aquatic toxicity	100%A	100%D	n.d.	86%RSPO	Dutch	31 December 2024
Rodalube 618 LT /MB	Not limited by biodegradation and aquatic toxicity	100%A	100%D	n.d.	79%RSPO	Dutch	31 December 2024
Rodalube 618 SG /MB	Not limited by biodegradation and aquatic toxicity	100%A	100%D	n.d.	85%RSPO	Dutch	31 December 2024
Rodalube 660 /MB	Not limited by biodegradation and aquatic toxicity	100%A	100%D	n.d.	79%RSPO	Dutch	31 December 2024
Rodalube 680 /MB	Not limited by biodegradation and aquatic toxicity	100%A	100%D	n.d.	77%RSPO	Dutch	31 December 2024
Rodalube T18 /MB	Not limited by biodegradation and aquatic toxicity	100%A	100%D	n.d.	86%RSPO	Dutch	31 December 2024
Rodalube T80 /MB	Not limited by biodegradation and aquatic toxicity	100%A	100%D	n.d.	77%RSPO	Dutch	31 December 2024
Breox 50A140	Not limited by biodegradation and aquatic toxicity	100%A	100%D	0%		Dutch	31 December 2024
Breox 50A150	Not limited by biodegradation and aquatic toxicity	100%A	100%D	0%		Dutch	31 December 2024
Breox 50A50	Not limited by biodegradation and aquatic toxicity	100%A	100%D	0%		Dutch	31 December 2024
Breox 60D1100	Not limited by biodegradation and aquatic toxicity	100%A	100%D	0%		Dutch	31 December 2024
Breox 60D220	Not limited by biodegradation and aquatic toxicity	100%A	100%D	0%		Dutch	31 December 2024
Breox 60D320	Not limited by biodegradation and aquatic toxicity	100%A	100%D	0%		Dutch	31 December 2024
Breox 60D460	Not limited by biodegradation and aquatic toxicity	100%A	100%D	0%		Dutch	31 December 2024
Breox 75W55000	10% 20% 25% 20% 5.0% 20%	100%B	100%D			Dutch	31 December 2024
Breox B35	Not limited by biodegradation and aquatic toxicity	100%A	100%D	0%		Dutch	31 December 2024
Breox B75	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	n.d.	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 2925	Not limited by biodegradation and aquatic toxicity	100%A	100%D	n.d.	89%RSPO	Dutch	31 December 2024
Synative ES 1200	Not limited by biodegradation and aquatic toxicity	100%A	100%D	n.d.		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 3200	Not limited by biodegradation and aquatic toxicity	100%A	100%D	n.d.		Dutch	31 December 2024
Synative ES 3345	Not limited by biodegradation and aquatic toxicity	100%A	100%D	n.d.	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	n.d.	1	Dutch	31 December 2024
Synative ES TMP 05	Not limited by biodegradation and aquatic toxicity	100%A	100%D	n.d.		Dutch	31 December 2024
Synative ES TMP 05/68	Not limited by biodegradation and aquatic toxicity	100%A	100%D	n.a. n.d.		Dutch	31 December 2024 31 December 2024
Synative ES TMP 05/140	Not limited by biodegradation and aquatic toxicity	100%A	100%D	n.a. n.d.		Dutch	31 December 2024 31 December 2024
Synative ES TMP 05/320	Not limited by biodegradation and aquatic toxicity	100%A	100%D	n.a. n.d.		Dutch	31 December 2024
Synative ES TMP 05/320 Svnative ES TMP 05/1000	10% 20% 25% 20% 5% 20%	100%A 100%B	100%D	п.а.	1	Dutti	31 December 2024 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 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® 4003	Not limited by biodegradation and aquatic toxicity	100%A	100%D	71%		Dutch	31 December 2024
DEHTLUB® 4012 DEHYLUB® 4016	Not limited by biodegradation and aquatic toxicity	100%A	100%D	90%		Dutch	31 December 2024
DEHYLUB® 4010	Not limited by biodegradation and aquatic toxicity	100%A	100%D	90% 83%		Dutch	31 December 2024
DEHTLUB® 4022 DEHYLUB® 4030		100%A	100%D 100%D	83% 90%			
DEHYLUB® 4030	Not limited by biodegradation and aquatic toxicity		100%D 100%D	90%		Dutch Dutch	31 December 2024
	Not limited by biodegradation and aquatic toxicity	100%A					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	Not limited by biodegradation and aquatic toxicity	100%A	100%D	0%		Dutch	31 December 2024
EMKAROX VG 150 NS	Not limited by biodegradation and aquatic toxicity	100%A	100%D	0%		Dutch	31 December 2024
Pentalan 1	Not limited by biodegradation and aquatic toxicity	100%A	100%D	98%		Dutch	31 December 2024
Priolube 1427	Not limited by biodegradation and aquatic toxicity	100%A	100%D	92%		Dutch	31 December 2024
Priolube 1445	Not limited by biodegradation and aquatic toxicity	100%A	100%D	96%		Dutch	31 December 2024
Priolube 1446	Not limited by biodegradation and aquatic toxicity	100%A	100%D	90%		Dutch	31 December 2024
Priolube 1847	Not limited by biodegradation and aquatic toxicity	100%A	100%D	81%		Dutch	31 December 2024
Priolube 1851	Not limited by biodegradation and aquatic toxicity	100%A	100%D	95%		Dutch	31 December 2024
Priolube 1973	Not limited by biodegradation and aquatic toxicity	100%A	100%D	87%		Dutch	31 December 2024
Priolube 2065	Not limited by biodegradation and aquatic toxicity	100%A	100%D	92%		Dutch	31 December 2024
SP Priolube 2087 MBAL	Not limited by biodegradation and aquatic toxicity	100%A	100%D	88%	47%RSPO	Dutch	31 December 2024
SP Priolube 2088 MBAL	Not limited by biodegradation and aquatic toxicity	100%A	100%D	88%	47%RSPO	Dutch	31 December 2024
SP Priolube 2089 MBAL	Not limited by biodegradation and aquatic toxicity	100%A	100%D	92%	9%RSPO	Dutch	31 December 2024
SP Priolube 3970 MBAL	Not limited by biodegradation and aquatic toxicity	100%A	100%D	81%	78%RSPO	Dutch	31 December 2024
Priolube 3986	5.0% 15% 20% 15% 5.0% 15%	100%C	100%D	85%		Dutch	31 December 2024
Priolube 3987	Not limited by biodegradation and aquatic toxicity	100%A	100%D	95%		Dutch	31 December 2024
Priolube 3988	Not limited by biodegradation and aquatic toxicity	100%A	100%D	92%		Dutch	31 December 2024
Radia 7051	Not limited by biodegradation and aquatic toxicity	100%A	100%D	83%	78%RSPO	Dutch	31 December 2024
Radia 7129	Not limited by biodegradation and aquatic toxicity	100%A	100%D	n.d.	66%RSPO	Dutch	31 December 2024
Radia 7130	Not limited by biodegradation and aquatic toxicity	100%A	100%D	71%	69%RSPO	Dutch	31 December 2024
Radia 7170	Not limited by biodegradation and aquatic toxicity	100%A	100%D	95%	07/01051 0	Dutch	31 December 2024
Radia 7179	Not limited by biodegradation and aquatic toxicity	100%A	100%D	95%		Dutch	31 December 2024
Radia 7184	Not limited by biodegradation and aquatic toxicity	100%A	100%D	95%		Dutch	31 December 2024 31 December 2024
Radia 7331	Not limited by biodegradation and aquatic toxicity	100%A	100%D 100%D	93% 71%	69%RSPO	Dutch	31 December 2024 31 December 2024
			100%D	100%	09%KSPU	Dutch	
	Not limited by biodegradation and aquatic toxicity	100%A	100%D				31 December 2024
	Not limited by biodegradation and aquatic toxicity	100%A		<i>n.d.</i>		Dutch	31 December 2024
Radialube 7250	Not limited by biodegradation and aquatic toxicity	100%A	100%D	90%		Dutch	31 December 2024

Radialube 7251	Not limited by biodegradation and aquatic toxicity	100%A	100%D	89%		Dutch	31 December 2024
Radialube 7252	Not limited by biodegradation and aquatic toxicity	100%A	100%D	88%		Dutch	31 December 2024
Radialube 7253	Not limited by biodegradation and aquatic toxicity	100%A	100%D	87%		Dutch	31 December 2024
Radialube 7254	Not limited by biodegradation and aquatic toxicity	100%A	100%D	86%		Dutch	31 December 2024
Radialube 7255	Not limited by biodegradation and aquatic toxicity	100%A	100%D	86%		Dutch	31 December 2024
Radialube 7256	Not limited by biodegradation and aquatic toxicity	100%A	100%D	85%		Dutch	31 December 2024
Radialube 7257	Not limited by biodegradation and aquatic toxicity	100%A	100%D	84%		Dutch	31 December 2024
Radialube 7300	Not limited by biodegradation and aquatic toxicity	100%A	100%D	82%	79%RSPO	Dutch	31 December 2024
Radialube 7302	Not limited by biodegradation and aquatic toxicity	100%A	100%D	85%	79%RSPO	Dutch	31 December 2024
Radialube 7306	Not limited by biodegradation and aquatic toxicity	100%A	100%D	87%	62%RSPO	Dutch	31 December 2024
Radialube 7364	Not limited by biodegradation and aquatic toxicity	100%A	100%D	91%	85%RSPO	Dutch	31 December 2024
Radialube 7365	Not limited by biodegradation and aquatic toxicity	100%A	100%D	87%	79%RSPO	Dutch	31 December 2024
Radialube 7366	Not limited by biodegradation and aquatic toxicity	100%A	100%D	84%	78%RSPO	Dutch	31 December 2024
Radialube 7367	Not limited by biodegradation and aquatic toxicity	100%A	100%D	84%	78%RSPO	Dutch	31 December 2024
Radialube 7368	Not limited by biodegradation and aquatic toxicity	100%A	100%D	84%	78%RSPO	Dutch	31 December 2024
Radialube 7376	Not limited by biodegradation and aquatic toxicity	100%A	100%D	84%	77%RSPO	Dutch	31 December 2024
Radialube 7377	Not limited by biodegradation and aquatic toxicity	100%A	100%D	88%	82%RSPO	Dutch	31 December 2024
Radialube 7378	Not limited by biodegradation and aquatic toxicity	100%A	100%D	78%	71%RSPO	Dutch	31 December 2024
Radialube 7378	Not limited by biodegradation and aquatic toxicity	100%A	100%D	91%	67%RSPO	Dutch	31 December 2024
Radialube 7393	Not limited by biodegradation and aquatic toxicity	100%A	100%D	89%	23%RSPO	Dutch	31 December 2024
Radialube 7395	Not limited by biodegradation and aquatic toxicity	100%A	100%D	91%	23%K3FU	Dutch	31 December 2024
Radialube 7491	Not limited by biodegradation and aquatic toxicity	100%A	100%D	73%	61%RSPO	Dutch	31 December 2024
Radialube 7491	Not limited by biodegradation and aquatic toxicity	100%A	100%D	73%	56%RSPO	Dutch	31 December 2024 31 December 2024
Radialube 7492	Not limited by biodegradation and aquatic toxicity	100%A	100%D	81%	52%RSPO	Dutch	31 December 2024 31 December 2024
Radialube 7493		100%A	100%D	57%	49%RSPO		31 December 2024 31 December 2024
Radialube 7542	Not limited by biodegradation and aquatic toxicity Not limited by biodegradation and aquatic toxicity	100%A	100%D	0%	49%K3PU	Dutch Dutch	31 December 2024 31 December 2024
Radialube 7547			100%D	40%			
	Not limited by biodegradation and aquatic toxicity	100%A	100%D	40% 92%	83%RSPO	Dutch	31 December 2024
Radialube 7558	Not limited by biodegradation and aquatic toxicity	100%A	100%D	92%	83%RSPO 85%RSPO	Dutch	31 December 2024
Radialube 7563	Not limited by biodegradation and aquatic toxicity	100%A	100%D	91%	85%RSPO 85%RSPO	Dutch	31 December 2024
Radialube 7564	Not limited by biodegradation and aquatic toxicity	100%A	100%D	91%	83%RSPO 83%RSPO	Dutch	31 December 2024
Radialube 7573	Not limited by biodegradation and aquatic toxicity	100%A				Dutch	31 December 2024
Radialube 7587	Not limited by biodegradation and aquatic toxicity	100%A	100%D	91%	85%RSPO	Dutch	31 December 2024
Radialube 7588	Not limited by biodegradation and aquatic toxicity	100%A	100%D	73%	67%RSPO	Dutch	31 December 2024
Radialube 7589	Not limited by biodegradation and aquatic toxicity	100%A 100%A	100%D	69% 73%	62%RSPO	Dutch	31 December 2024
Radialube 7591	Not limited by biodegradation and aquatic toxicity		100%D	90%	61%RSPO	Dutch	31 December 2024
Radialube 7688	Not limited by biodegradation and aquatic toxicity	100%A	100%D	90%	010/ DCDO	Dutch	31 December 2024
Radialube 7691	Not limited by biodegradation and aquatic toxicity	100%A	100%D		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
PALUB 8236P	Not limited by biodegradation and aquatic toxicity	100%A	100%D	n.d.	84%RSPO	Dutch	31 December 2024
PALUB 8257	Not limited by biodegradation and aquatic toxicity	100%A	100%D	n.d.		Dutch	31 December 2024
PALUB 8404	Not limited by biodegradation and aquatic toxicity	100%A	100%D	n.d.	0.54/ 2.620	Dutch	31 December 2024
PALUB 8404P	Not limited by biodegradation and aquatic toxicity	100%A	100%D	n.d.	85%RSPO	Dutch	31 December 2024
PALUB 8406	Not limited by biodegradation and aquatic toxicity	100%A	100%D	n.d.	79%RSPO	Dutch	31 December 2024

PALUB 8416		Not limited l	by biodegrada	ation and aqua	atic toxicity		100%A	100%D	n.d.		Dutch	31 December 2024
PALUB 8407		Not limited l	by biodegrada	ation and aqua	atic toxicity		100%A	100%D	n.d.		Dutch	31 December 2024
PALUB 8466		Not limited l	by biodegrada	ation and aqua	atic toxicity		100%C	100%D	n.d.		Dutch	
PALUB EF-46S			by biodegrada				100%A	100%D	n.d.		Dutch	31 December 2024
PALUB EF-68S		Not limited l	by biodegrada	ation and aqua	atic toxicity		100%A	100%D	n.d.		Dutch	31 December 2024
PALUB EF-140S			by biodegrada		2		100%A	100%D	n.d.	58%RSPO	Dutch	31 December 2024
PALUB EF-46U			by biodegrada		2		100%A	100%D	n.d.	85%RSPO	Dutch	31 December 2024
PALUB EF-68U			by biodegrada				100%A	100%D	n.d.	81%RSPO	Dutch	31 December 2024
PALUB EF-140U			by biodegrada		2		100%A	100%D	n.d.	69%RSPO	Dutch	31 December 2024
PALUB EF-1000U			by biodegrada	1	2		100%A	100%D	n.d.	58%RSPO	Dutch	31 December 2024
Nycobase 3118 EL			by biodegrada				100%A	100%D	n.d.		Dutch	31 December 2024
Nycobase 7300 EL			by biodegrada		2		100%A	100%D	0%		Dutch	31 December 2024
Nycobase 8306 EL			by biodegrada		2		100%A	100%D	84%	76%RSPO	Dutch	31 December 2024
Nycobase 8311 EL			by biodegrada		2		100%A	100%D	83%	78%RSPO	Dutch	31 December 2024
Nycobase 8318S EL			by biodegrada		2		100%A	100%D	88%	44%RSPO	Dutch	31 December 2024 31 December 2024
Nycobase 8345 EL			by biodegrada		2		100%A	100%D	86%	70%RSPO	Dutch	31 December 2024 31 December 2024
Nycobase 8397 EL			by biodegrada		2		100%A	100%D	50%	41%RSPO	Dutch	31 December 2024 31 December 2024
Nycobase STM EL			by biodegrada		2		100%A	100%D	91%	41/0K51 U	Dutch	31 December 2024 31 December 2024
Nycobase 8103 EL			by biodegrada		2		100%A	100%D	83%	78%RSPO	Dutch	31 December 2024 31 December 2024
Nycobase 8361 EL			by biodegrada		2		100%A	100%D	56%	48%RSPO	Dutch	31 December 2024 31 December 2024
Nycobase 9300 EL			by biodegrada		2		100%A	100%D	0%	40/01010	Dutch	31 December 2024 31 December 2024
Nycobase SMP EL			by biodegrada		2		100%A	100%D	95%		Dutch	31 December 2024 31 December 2024
Nycobase SNG EL			by biodegrada				100%A	100%D	89%		Dutch	31 December 2024 31 December 2024
BT4			by biodegrada		2		100%A	100%D	n.d.		Dutch	31 December 2024 31 December 2024
BT22			by biodegrada				100%A	100%D	n.a. n.d.		Dutch	31 December 2024 31 December 2024
BT22 BT75			by biodegrada				100%A	100%D	n.a. n.d.		Dutch	31 December 2024 31 December 2024
Lexolube [®] 3G-310			by biodegrada				100%A	100%D	n.d.	86%RSPO	Dutch	31 December 2024 31 December 2024
Lexolube [®] 3N-310			by biodegrada				100%A	100%D	n.d. n.d.	79%RSPO	Dutch	31 December 2024 31 December 2024
Lexolube [®] 3Q-310			by biodegrada		2		100%A	100%D	n.a. n.d.	48%RSPO	Dutch	31 December 2024 31 December 2024
Lexolube [®] 4N-415			by biodegrada				100%A	100%D	n.a. n.d.	48%RSPO 84%RSPO	Dutch	31 December 2024 31 December 2024
Lexolube [®] B-109												
			by biodegrada		2		100%A	100%D	n.d.	57%RSPO	Dutch	31 December 2024
Lexolube [®] CG-3000 Lexolube [®] CLG-460			by biodegrada				100%A 100%A	100%D 100%D	<i>n.d.</i> 77%.		Dutch	31 December 2024
			by biodegrada			200/					Dutch	31 December 2024
Lexolube [®] CQ-3000	10%	20%	25% 100%	20% 100%	5% 83%	20% 100%	100%B	100%D 100%D	66% 79%	740/ DCDO	Dutch	31 December 2024
Lexolube [®] FG-22 HX1 Lubricit TMP C18-DF	100%	20070				100%	94%A; 6%B	100%D		74%RSPO	Dutch	31 December 2024
			by biodegrada		2		100%A		n.d.	100/ NC(D 1)	Dutch	31 December 2024
Hatcol 1754			by biodegrada				100%A	100%D		18%NC(Palm)	Dutch	31 December 2024
Hatcol 1765			by biodegrada		2		100%A	100%D	00/	23%NC(Palm)	Dutch	31 December 2024
Hatcol 2901			by biodegrada		2		100%A	100%D	0%		Dutch	31 December 2024
Hatcol 2906			by biodegrada		2		100%A	100%D	0%	+	Dutch	31 December 2024
Hatcol 2910			by biodegrada		2		100%A	100%D	0%	100/ NC/D 1	Dutch	31 December 2024
Hatcol 2954			by biodegrada				100%A	100%D		18%NC(Palm)	Dutch	31 December 2024
Hatcol 2965			by biodegrada		2		100%A	100%D	,	23%NC(Palm)	Dutch	31 December 2024
Hatcol 2937	Not limited by biodegradation and aquatic toxicity Not limited by biodegradation and aquatic toxicity						100%A	100%D	n.d.	77%NC(Palm)	Dutch	31 December 2024
Hatcol 2938			J U		2		100%A	100%D	n.d.	77%NC(Palm)	Dutch	31 December 2024
Hatcol 3371		Not limited l	by biodegrada	ation and aqua	atic toxicity		100%A	100%D	n.d.	50%NC(Palm)	Dutch	31 December 2024

CalEster T		Not limited b	ov biodegrada	tion and aqua	tic toxicity		100%A	100%D	n.d.	79%NC(Palm)	Dutch	31 December 2024
GEOlube® 50 A 20		Not limited b	2 0		2		100%A	100%D	0%	//////////////////////////////////////	Dutch	31 December 2024
GEOlube® 50 A 32		Not limited b	2 0		2		100%A	100%D	0%		Dutch	31 December 2024
GEOlube® 50 A 46		Not limited b					100%A	100%D	0%		Dutch	31 December 2024
GEOlube® 50 A 50		Not limited b	5 0	1	2		100%A	100%D	0%		Dutch	31 December 2024
GEOlube® 50 A 68		Not limited b					100%A	100%D	0%		Dutch	31 December 2024
GEOlube® 50 A 75		Not limited b	J U		2		100%A	100%D	0%		Dutch	31 December 2024
GEOlube® 50 A 100		Not limited b	J U		2		100%A	100%D	0%		Dutch	31 December 2024
GEOlube® 50 A 140		Not limited b	J U		2		100%A	100%D	0%		Dutch	31 December 2024
GEOlube® 60 W 150		Not limited b					100%A	100%D	0%		Dutch	31 December 2024 31 December 2024
GEOlube® 60 W 220		Not limited b	<i>, ,</i>				100%A	100%D	0%		Dutch	31 December 2024 31 December 2024
GEOlube® 60 W 320		Not limited b	5 0	1	2		100%A	100%D	0%		Dutch	31 December 2024
GEOlube® 60 W 460		Not limited b	J U		2		100%A	100%D	0%		Dutch	31 December 2024
GEOlube® 60 W 680	5.0%	15%	20%	15%	5.0%	15%	100%A	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 b				13%	100%C	100%D	0%		Dutch	31 December 2024 31 December 2024
								100%D	0%			
GEOlube® B 46		Not limited b	J U		2		100%A		0%		Dutch	31 December 2024
GEOlube® B 55 GEOlube® B 68		Not limited b	1 8				100%A 100%A	100%D 100%D	0%		Dutch	31 December 2024
GEOlube® B 68 GEOlube® B 75		Not limited b	<i>, 0</i>	1	2			100%D	0%		Dutch	31 December 2024
		Not limited b	J U		2		100%A				Dutch	31 December 2024
GEOlube® B 100		Not limited b	J U		2		100%A	100%D	0%		Dutch	31 December 2024
GEOlube® B 125		Not limited b	J U		2		100%A	100%D	0%		Dutch	31 December 2024
GEOlube® B 150		Not limited b	J U		2	150/	100%A	100%D			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 b	2 0				100%A	100%D	97%	270/ NC(D 1)	Dutch	31 December 2024
DAKOLUB® MB 9010		Not limited b	J U		2		100%A	100%D	100%	37%NC(Palm)	Dutch	31 December 2024
DAKOLUB® MB 9038		Not limited b	5 0	1	2		100%A	100%D	53%		Dutch	31 December 2024
DAKOLUB® MB 9040		Not limited b	J U		2		100%A	100%D	100%	48%NC(Palm)	Dutch	31 December 2024
DAKOLUB® MB 9206		Not limited b	2 0		2		100%A	100%D	91%		Dutch	31 December 2024
DAKOLUB® MB 9500		Not limited b					100%A	100%D	87%		Dutch	31 December 2024
DAKOLUB® MB 9600		Not limited b	J U		2		100%A	100%D	90%		Dutch	31 December 2024
BergaBest GTCC 60 / 40		Not limited b	5 0	1	2		100%A	100%D	100%	100%RSPO	Dutch	31 December 2024
BergaLub DIDA		Not limited b	2 0		2		100%A	100%D	0%		Dutch	31 December 2024
BergaLub DITA		Not limited b	<i>*</i>		,		100%A	100%D	0%		Dutch	31 December 2024
BergaLub EHA		Not limited b					100%A	100%D	0%		Dutch	31 December 2024
BergaLub EHO- M		Not limited b	5 0	1	1		100%A	100%D	71%	68%RSPO	Dutch	31 December 2024
BergaLub EHO- P		Not limited b	5 0	1	1		100%A	100%D	68%	68%RSPO	Dutch	31 December 2024
BergaLub ITS		Not limited b	J U		2		100%A	100%D	61%	59%RSPO	Dutch	31 December 2024
BergaLub NPG 2		Not limited b	J U		2		100%A	100%D	89%	85%RSPO	Dutch	31 December 2024
BergaLub PE 4		Not limited b	J U		2		100%A	100%D	96%	89%RSPO	Dutch	31 December 2024
BergaLub T 900		Not limited b			2		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 b	y biodegrada	tion and aqua	tic toxicity		100%A	100%D	88%	86%RSPO	Dutch	31 December 2024
BergaLub TMP HV 68		Not limited b	y biodegrada	tion and aqua	atic toxicity		100%A	100%D	83%	80%RSPO	Dutch	31 December 2024

BergaLub TMP HV 320	No	ot limited b	v biodegrada	tion and aqua	tic toxicity		100%A	100%D	72%	70%RSPO	Dutch	31 December 2024
BergaSolv EHC			0	tion and aqua	2		100%A	100%D	61%		Dutch	31 December 2024
BergaSurf 1218 ME HSG			0	tion and aqua	1		100%A	100%D	93%	87%RSPO	Dutch	31 December 2024
BergaSurf 18:1-98 ME				tion and aqua	2		100%A	100%D	97%	90%RSPO	Dutch	31 December 2024
BergaSurf RME			0	tion and aqua	2		100%A	100%D	95%		Dutch	31 December 2024
DOMEST 46				tion and aqua	2		100%A	100%D	89%	85%NC(Palm)	Dutch	31 December 2024
DOMEST 68			0	tion and aqua	2		100%A	100%D	86%	81%NC(Palm)	Dutch	31 December 2024
DOMEST BIO 46			0	tion and aqua	2		100%A	100%D	73%	75%NC(Palm)	Dutch	31 December 2024
Durasyn 156			<u> </u>	tion and aqua	2		100%A	100%D	0%		Dutch	31 December 2024
Paryol Cocoil 2F			0	tion and aqua	J		100%A	100%D	n.d.	63%RSPO	Dutch	31 December 2024
TMP 46			, U	tion and aqua			100%A	100%D	92%	92%RSPO	Dutch	31 December 2024
TPO 10			0	tion and aqua	2		100%A	100%D	95%	95%RSPO	Dutch	31 December 2024
Dapralube TO-HP			0	tion and aqua	2		100%A	100%D	n.d.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Dutch	31 December 2024
Dapralube TO-HP-V-MB			2 0	tion and aqua			100%A	100%D	n.d.	85%RSPO	Dutch	31 December 2024
Ketjenlube® 15			0	tion and aqua	2		100%A	100%D	0%		Dutch	31 December 2024
ColFadol 68			0	tion and aqua	2		100%A	100%D	100%		Dutch	31 December 2024
ColFadol 2300D			0	tion and aqua	2		100%A	100%D	100%		Dutch	31 December 2024
SunFadol 1000D			0	tion and aqua	2		100%A	100%D	100%		Dutch	31 December 2024
TEMEST M05				tion and aqua			100%A	100%D	0%		Dutch	31 December 2024
GLYLUB 30			0	tion and aqua	J		100%A	100%D	0%		Dutch	31 December 2024
TEMEST J65			0	tion and aqua	2		100%A	100%D	n.d.		Dutch	31 December 2024
TEMEST J65S				tion and aqua			100%A	100%D	<i>n.d.</i>		Dutch	31 December 2024
TEMEST J65D				tion and aqua			100%A	100%D	<i>n.d.</i>		Dutch	31 December 2024
TEMEST J65A	100%	100%	100%	100%	100%	100%	99%A; 1%C	100%D	n.d.		Dutch	31 December 2024
TEMEST J65S RSPO MB				tion and aqua		100/0	100%A	100%D	n.d.	70%RSPO	Dutch	31 December 2024
ACITEM ST05S			0	tion and aqua	2		100%A	100%D	100%	/ 0/01tb1 0	Dutch	31 December 2024
ACITEM ST10S			2 0	tion and aqua			100%A	100%D	100%		Dutch	31 December 2024
ACITEM ST20S			0	tion and aqua	2		100%A	100%D	100%		Dutch	31 December 2024
ACITEM ST20C			<u> </u>	tion and aqua	2		100%A	100%D	100%		Dutch	31 December 2024
ACITEM ST20C2				tion and aqua			100%A	100%D	100%		Dutch	31 December 2024
ACITEM ST20V			0	tion and aqua	2		100%A	100%D	100%		Dutch	31 December 2024
ACITEM ST80C			2 0	tion and aqua			100%A	100%D	100%		Dutch	31 December 2024
TEMEST H35			0	tion and aqua	2		100%A	100%D	83%		Dutch	31 December 2024
TEMEST H65			0	tion and aqua	2		100%A	100%D	n.d.		Dutch	31 December 2024
TEMEST H65S				tion and aqua			100%A	100%D	n.d.		Dutch	31 December 2024
TEMEST H65SLL			Č Č	tion and aqua			100%A	100%D	n.d.		Dutch	31 December 2024
TEMEST H65V	No	ot limited b	v biodegrada	tion and aqua	tic toxicity		100%A	100%D	n.d.		Dutch	31 December 2024
TEMEST H6505				tion and aqua			100%A	100%D	n.d.		Dutch	31 December 2024
TEMEST H6505S			0	tion and aqua	2		100%A	100%D	n.d.		Dutch	31 December 2024
TEMEST H6505L			2 0	tion and aqua			100%A	100%D	n.d.	1 1	Dutch	31 December 2024
TEMEST H6505P			0	tion and aqua	2		100%A	100%D	n.d.	1 1	Dutch	31 December 2024
TEMEST H6507S			0	tion and aqua	2		100%A	100%D	n.d.	1 1	Dutch	31 December 2024
TEMEST H6508S				tion and aqua			100%A	100%D	n.d.	1	Dutch	31 December 2024
TEMEST H6509			2 0	tion and aqua			100%A	100%D	n.d.	1 1	Dutch	31 December 2024
TEMEST H6505A	100%	100%	100%	100%	100%	Dutch	99%A; 1%C	100%D	n.d.	1 1	Dutch	31 December 2024

TEMEST H65A	100%	100%	100%	100%	80%	Dutch	98%A; 2%C	99.5%D; 0.5%F	n.d.	Dutch	31 December 2024
TEMEST H65SA	100%	100%	100%	100%	80%	Dutch	98%A; 2%C	99.5%D; 0.5%F	n.d.	Dutch	31 December 2024
ACITEM OL100A		Not limited b	y biodegrada	tion and aqua	tic toxicity		100%A	100%D	100%	Dutch	31 December 2024
ACITEM OL100V		Not limited b	y biodegrada	tion and aqua	tic toxicity		100%A	100%D	100%	Dutch	31 December 2024
ACITEM OL100AV		Not limited b	y biodegrada	tion and aqua	tic toxicity		100%A	100%D	100%	Dutch	31 December 2024
ACITEM OL100AG		Not limited b	y biodegrada	tion and aqua	tic toxicity		100%A	100%D	100%	Dutch	31 December 2024
CEREPLAS [™] DTDA		Not limited b	y biodegrada	tion and aqua	tic 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

			Maximum treat					han 100% ^d or ^e			
Brand name ^b	ALL (No	ALL (Only	PLL (No	PLL (Only	TLL (No	TLL (Only	EEL Biodegradation ^d	EEL Aquatic Toxocity ^e	Remark	CB	Valid till
Additives and Thickeners	Grease)	Grease)	Grease)	Grease)	Grease)	Grease)	A/B/C/X/-f	$D/E/F/G(M^g)/-f$		Assessed	
						Thic	keners				
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
· · · ·	-				Ext	reme Press	ure + Anti-Wear				
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 b	y biodegrada	tion and aqua	tic toxicity		100%A	100%D	Biobased fraction: <i>n.d.</i> Fraction cert. ren. ingredients: 63% NC(Palm) ^{h,j}	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	2.5%	1.0%	0.60%	0.60%	0.40%	0.40%	100%C	100%F		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 222	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	60%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
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%	10%	10%	10%	5%	10%	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: n.d.	Dutch	31 December 2024
DeoAdd MRD 16	10%	20%	25%	20%	5.0%	20%	100%C	100%D	Biobased fraction: <i>n.d.</i>	Dutch	31 December 2024
DeoAdd MRZ 16	10%	20%	25%	20%	5.0%	20%	100%B	100%D	Biobased fraction: <i>n.d.</i>	Dutch	31 December 2024
DeoAdd V 300	5.0%	10%	10%	10%	5.0%	10%	99%C	100%D	Biobased fraction. n.u.	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 31 December 2024
Deophos 218	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	100%A	100%C(M=1)	Limited by H317	Dutch	31 December 2024 31 December 2024
Addosan TM EPC 127	2.5%	1.0%	0.60%	0.60%	0.40%	0.40%	100%C	100%D	Linited by 11317	Dutch	31 December 2024
LUBIO® AW 8-HO	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	100%C	97.5%D;2.5%G(M=1)		Dutch	31 December 2024 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 31 December 2024
LUBIO® EP 14	5.0%	4.0%	4.0%	4.0%	2.0%	4.0%	100%C	100%E		Dutch	31 December 2024 31 December 2024
LUBRIZOL® 5069	5.0%	15%	20%	15%	5.0%	15%	99%C	100%E		Dutch	31 December 2024 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® 5955A	0.67%	0.67%	0.67%	0.67%	0.67%	0.67%	82%C	100%E		Dutch	31 December 2024 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 31 December 2024
LUBRIZOL® IC9AW1	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	100%A	100%D	Fraction cert. ren. ingredients: 83%NC(Palm)	Dutch	31 December 2024 31 December 2024
LUBRIZOL® IC9AW31	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	91%C	100%E	ingredients. 85%IVC(Failii)	Dutch	31 December 2024
LUBRIZOL® IC9AW31	1.0%	1.0%	1.070	1.070	1.0%	1.0%	9170C	100%E		Dutch	31 December 2024
						Antio	oxidant				
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	0.60%	0.60%	0.60%	0.60%	0.60%	0.60%	46%C	100%E		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	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	46%C	100%E		Dutch	31 December 2024
Irganox L 64	0.62%	0.62%	0.62%	0.62%	0.62%	0.62%	57%C	20%D;80%E		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 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
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	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	44%C	100%E		Dutch	31 December 2024
SONGNOX® L670	5%	10%	10%	10%	5%	10%	99%C	100%E		Dutch	31 December 2024
VANLUBE [®] 961	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	49%C	100%E		Dutch	31 December 2024
VANLUBE® BHC	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 31 December 2024
	5.0%	15%	20%	15%	5.0%	15%	100%C	95%D, 5%F 100%D			
CHE®-APC-18 IONOL 135	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	<u> </u>	100%D		Dutch	31 December 2024 31 December 2024
					4.0% 5.0%					Dutch	
LUBIO® AO 7	5.0%	15% 4.0%	20%	15%	5.0% 4.0%	15% 4.0%	100%C 96%C	100%D 100%D		Dutch	31 December 2024
LUBIO® AO 11 LUBIO® AO 18	4.0%		4.0% 20%	4.0% 15%	4.0%	4.0%		100%D 100%D		Dutch	31 December 2024 31 December 2024
	5.0% 0.50%	15% 0.50%					100%C			Dutch	
LUBIO® AO 24			0.50%	0.50%	0.50%	0.50%	46%C	100%E		Dutch	31 December 2024
LUBIO® AS 9	0.71%	0.71%	0.71%	0.71%	0.71%	0.71%	62%C	30%D; 70%E		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
						Correcto	1 Inhibitor				
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 4801	2.5%	1.0%	0.52%	0.52%	0.32%	0.32%	100%C	100%F		Dutch	31 December 2024
Additin RC 8221 Additin RC 8239	0.10%	0.10%	0.10%	0.10%	0.4%	0.4%	100%C	100%F 100%G (M=1)		Dutch	31 December 2024 31 December 2024
	0.10%	0.93%	0.10%	0.10%	0.10%	0.10%		80%D			
Additin RC 4810 Sarkosyl O	0.93%	0.93%	0.93%	0.93%	0.93%	0.93%	80%C	- (M=1)		Dutch	31 December 2024 31 December 2024
Irgacor L 12	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	- 80%C	- (M=1) 75%D; 25%E		Dutch	31 December 2024 31 December 2024
Irgacor L 12										Dutch	
NA-SUL® CA-770FG VANLUBE [®] 887	5.0% 5.0%	10%	10%	10%	5.0% 0.80%	10% 0.80%	<u>99%C</u> 100%C	99%D 50%C; 50%F		Dutch Dutch	31 December 2024 31 December 2024
	0.81%	0.81%	0.81%	0.81%	0.80%	0.80%					
VANLUBE® RI-A			10%	10%			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%	1.0%	1.0%	2.0%	10%	100%C	100%E		Dutch	31 December 2024
LUBRIZOL® 5399	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	100%B	100%E		Dutch	31 December 2024
						Detergent	/Emulsifier				
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 ^j	Dutch	31 December 2024
IFRALAN CS3370/MB	10%	20%	10%	15%	2.0%	10%	100%A	100%E	Fraction cert. ren.	Dutch	31 December 2024

				Viscosi	ty modifier/	Pour Point	depressant/Viscosity	Improvers			
Functional PD-585	6.1%	18%	24%	18%	6.1%	18%	18%A; 82%C	100%D	Biobased fraction: <i>n.d.</i> ⁱ Fraction cert. ren. ingredients:	Dutch	31 December 2024
Functional PD-590	8%	25%	33%	25%	8%	25%	40%A; 60%C	100%D	74% NC(Palm) ^{h,j} Fraction cert. ren. ingredients: 46% NC(Palm) ^{h,j}	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 ^{h,j}	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 ^{h,j}	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 ^{h,j}	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 ^{h,j}	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 ^{h,j}	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%	Germany	31 December 2024
LUBIO® TF 1	50%	100%	100%	100%	50%	100%	90%A;10%C	100%D		Dutch	31 December 2024
						foam/Demu	ılsifier/Dispersant				_
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
		•		•	C	omplete ad	ditive package				
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) ^{h,j}	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	78%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
Irgapac H 811	2.5%	2.5%	2.5%	2.5%	1.7%	1.7%	80%C	69%E;23%F		Dutch	31 December 2024
					Other	(specified i	in the remark field)				
UCON OSP-32		Not l;imite	d by biodegrada	ation and aquati			100%A	100%D	Friction modifier and polarity enhancer	Dutch	31 December 2024
UCONWG-1		Not l;imite	d by biodegrada	ation and aquati	c toxicity		100%A	100%D	Stabilizer	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	l by biodegrada	tion and aquation	c toxicity		100%A	100%D	Lubricity additive	Dutch	31 December 2024
Irgamet TTZ	2.5%	1.0%	0.60%	0.60%	0.40%	0.40%	100%C	100%F	Metal deactivator	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
Tac Oil BA	55,5	100	100	100	55,5	100	91% A; 9% C	100% D	Trackiness Agent Biobased fraction: 100%	Germany	31 December 2024
Adichem BA	55,5	100	100	100	55,5	100	91% A; 9% C	100% D	Trackiness agent Biobased fraction: 100%	Germany	31 December 2024
Genamin Gluco 50		Not limited	l by biodegrada	tion and aquation	e 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 TM 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

a) In case a LoC has been issued before October 30, 2020 the data in the column *fraction certified renewable ingredients* on the LuSC-list is binding.

b) 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.

c) 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.

d) In case classification of the biodegradation has <u>not</u> 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 process. 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.