

Lubricant Substance Classification list (LuSC-list)

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The list is a non-limitative list. Companies are not obliged to use one of these substances or brands but if used the EEL classification can be used directly on 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	Biodegradability	Aquatic toxicity	Remarks
D-glucitol C6H14O6	50-70-4	200-061-5	Ultimately (A)	Not toxic (D)	Organic substance listed in Annex I of Regulation 987/2008
Ascorbic acid C6H8O6	50-81-7	200-066-2	Ultimately (A)	Not toxic (D)	Organic substance listed in Annex I of Regulation 987/2008
Glucose C6H12O6	50-99-7	200-075-1	Ultimately (A)	Not toxic (D)	Organic substance listed in Annex I of Regulation 987/2008
L-lysine C6H14N2O2	56-87-1	200-294-2	Ultimately (A)	Not toxic (D)	Organic substance listed in Annex I of Regulation 987/2008
Sucrose, pure C12H22O11	57-50-1	200-334-9	Ultimately (A)	Not toxic (D)	Organic substance listed in Annex I of Regulation 987/2008
α -tocopheryl acetate C31H52O3	58-95-7	200-405-4	Ultimately (A)	Not toxic (D)	Organic substance listed in Annex I of Regulation 987/2008
Galctose C6H12O6	59-23-4	200-416-4	Ultimately (A)	Not toxic (D)	Organic substance listed in Annex I of Regulation 987/2008
DL-methionine C5H11NO2S	59-51-8	200-432-1	Ultimately (A)	Not toxic (D)	Organic substance listed in Annex I of Regulation 987/2008
Lactose C12H22O11	63-42-3	200-559-2	Ultimately (A)	Not toxic (D)	Organic substance listed in Annex I of Regulation 987/2008
D-mannitol C6H14O6	69-65-8	200-711-8	Ultimately (A)	Not toxic (D)	Organic substance listed in Annex I of Regulation 987/2008
L-sorbose C6H12O6	87-79-6	201-771-8	Ultimately (A)	Not toxic (D)	Organic substance listed in Annex I of Regulation 987/2008
Glycerol stearate, pure C21H42O4	123-94-4	204-664-4	Ultimately (A)	Not toxic (D)	Organic substance listed in Annex I of Regulation 987/2008
Carbon dioxide CO2	124-38-9	204-696-9	Ultimately (A)	Not toxic (D)	Organic substance listed in Annex I of Regulation 987/2008
Calcium pantothenate, D-form C9H17NO5.1/2Ca	137-08-6	205-278-9	Ultimately (A)	Not toxic (D)	Organic substance listed in Annex I of Regulation 987/2008
DL-phenylalanine C9H11NO2	150-30-1	205-756-7	Ultimately (A)	Not toxic (D)	Organic substance listed in Annex I of Regulation 987/2008
Sodium gluconate C6H12O7.Na	527-07-1	208-407-7	Ultimately (A)	Not toxic (D)	Organic substance listed in Annex I of Regulation 987/2008
Sorbitan oleate C24H44O6	1338-43-8	215-665-4	Ultimately (A)	Not toxic (D)	Organic substance listed in Annex I of Regulation 987/2008
Calcium distearate, pure C18H36O2.1/2Ca	1592-23-0	216-472-8	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (D)	Organic substance listed in Annex I of Regulation 987/2008
Tallow, hydrogenated	8030-12-4	232-442-7	Ultimately (A)	Not toxic (D)	Organic substance listed in Annex I of Regulation 987/2008
Dextrin	9004-53-9	232-675-4	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (D)	Organic substance listed in Annex I of Regulation 987/2008
Maltodextrin	9050-36-6	232-940-4	Ultimately (A)	Not toxic (D)	Organic substance listed in Annex I of Regulation 987/2008
Sodium D-gluconate C6H12O7.xNa	14906-97-9	238-976-7	Ultimately (A)	Not toxic (D)	Organic substance listed in Annex I of Regulation 987/2008
D-glucitol monostearate C24H48O7	26836-47-5	248-027-9	Ultimately (A)	Not toxic (D)	Organic substance listed in Annex I of Regulation 987/2008

Fatty acids, coco, Me esters	61788-59-8	262-988-1	Ultimately (A)	Not toxic (D)	Organic substance listed in Annex I of Regulation 987/2008
Cellulose Pulp	65996-61-4	265-995-8	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (D)	Organic substance listed in Annex I of Regulation 987/2008
Glycerides C10-18	85665-33-4	288-123-8	Ultimately (A)	Not toxic (D)	Organic substance listed in Annex I of Regulation 987/2008
Palmitic acid, pure C16H32O2	57-10-3	200-312-9	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (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	Not biodegradable, Not bioaccumulative (C)	Not toxic (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	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (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 fatty acids erucic, linoleic and oleic (Brassica napus, Cruciferae)	8002-13-9	232-299-0	Ultimately (A)	Not toxic (D)	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008

Fatty acids, tallow, Me esters	61788-61-2	262-989-7	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (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	68424-61-3	270-312-1	Ultimately (A)	Not toxic (D)	Organic substance removed from Annex IV to Annex V of Regulation 1907/2006 (REACH) by Regulation 987/2008

unsaturated dialkyl glyceride and SDA Reporting Number: 11-002-00.					
Fatty acids C12-14	90990-10-6	292-771-7	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (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	Ultimately (A)	Not toxic (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	Inherently aerobically (B)	Harmful (E)	Assessed by the Dutch CB
Dilithium azelate, pure	38900-29-7	254-184-4	Not biodegradable and not bioaccumulative (C)	Harmful (E)	Assessed by the Dutch CB
Dilithium sebacate, pure	19370-86-6	242-999-8	Not biodegradable and not bioaccumulative (C)	Harmful (E)	Assessed by the Dutch CB
Calcium di-12-hydroxystearate, pure	3159-62-4	221-605-8	Ultimately biodegradable (A)	Not toxic (D)	Assessed by the Dutch CB
Magnesium oxide, pure	1309-48-4	215-171-9	Not biodegradable and not bioaccumulative (C)	Not toxic (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	Not biodegradable and not bioaccumulative (C)	Not toxic (D)	Assessed by the Dutch CB
Tricalcium phosphate, pure	7758-87-4	231-840-8	Not biodegradable and not bioaccumulative (C)	Not toxic (D)	Assessed by the Dutch CB
Calcium acetate, pure	62-54-4	200-540-9	Not biodegradable and not bioaccumulative (C)	Not toxic (D)	Assessed by the Dutch CB
Silane, dichlorodimethyl-, reaction products with silica	68611-44-9	271-893-4	Not biodegradable and not bioaccumulative (C)	Not toxic (D)	Assessed by the Dutch CB

Part 2: Brands^a

Brand name ^b	Maximum allowed treat rate ^c %					If less than 100% see remark ^d or ^e			Remarks	Assessed by	Valid till
	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5	EEL Biodegradation ^d	EEL Aquatic Toxicity ^e	Renewability			
						A/B/C/X/ ^f	D/E/F/G(M [®])/ ^f				
Base fluids											
Synative ES TMP 05	Not limited by biodegradation and aquatic toxicity					100% A	100% D	90%		Dutch CB	31 December 2018
Synative ES TMP 05/68	Not limited by biodegradation and aquatic toxicity					100% A	100% D	90%		Dutch CB	31 December 2018
Synative ES TMTC	Not limited by biodegradation and aquatic toxicity					100% A	100% D	80%		Dutch CB	31 December 2018
Synative ES 3345	Not limited by biodegradation and aquatic toxicity					100% A	100% D	58%		Dutch CB	31 December 2018
Synative ES 3157	Not limited by biodegradation and aquatic toxicity					100% A	100% D	64%		Dutch CB	31 December 2018
Synative ES TMP 05/140	Not limited by biodegradation and aquatic toxicity					100% A	100% D	89%		Dutch CB	31 December 2018
Synative ES TMP 05/320	Not limited by biodegradation and aquatic toxicity					100% A	100% D	96%		Dutch CB	31 December 2018
Synative ES EHK	Not limited by biodegradation and aquatic toxicity					100% A	100% D	62%		Dutch CB	31 December 2018
Synative ES 1200	Not limited by biodegradation and aquatic toxicity					100% A	100% D	86%		Dutch CB	31 December 2018
DAKOLUB MB 9001	Not limited by biodegradation and aquatic toxicity					100% A	100% D	94.7%		Dutch CB	31 December 2018
DAKOLUB MB 9010	Not limited by biodegradation and aquatic toxicity					100% A	100% D	100%		Dutch CB	31 December 2018
DAKOLUB MB 9024	Not limited by biodegradation and aquatic toxicity					100% A	100% D	100%		Dutch CB	31 December 2018
DAKOLUB MB 9038	Not limited by biodegradation and aquatic toxicity					100% A	100% D	100%		Dutch CB	31 December 2018
DAKOLUB MB 9040	Not limited by biodegradation and aquatic toxicity					100% A	100% D	100%		Dutch CB	31 December 2018
DAKOLUB MB 9500	Not limited by biodegradation and aquatic toxicity					100% A	100% D	90%		Dutch CB	31 December 2018
DAKOLUB MB 9600	Not limited by biodegradation and aquatic toxicity					100% A	100% D	87.7%		Dutch CB	31 December 2018
DAKOLUB MB 9840-68	Not limited by biodegradation and aquatic toxicity					100% A	100% D	87.5%		Dutch CB	31 December 2018

DAKOLUB MB 9840-150	Not limited by biodegradation and aquatic toxicity	100% A	100% D	82.2%		Dutch CB	31 December 2018
DAKOLUB MB 9840-220	Not limited by biodegradation and aquatic toxicity	100% A	100% D	79.5%		Dutch CB	31 December 2018
DAKOLUB MB 9840-320	Not limited by biodegradation and aquatic toxicity	100% A	100% D	76.7%		Dutch CB	31 December 2018
Radia 7130	Not limited by biodegradation and aquatic toxicity	100% A	100% D	69%		Dutch CB	31 December 2018
Radialube 7250	Not limited by biodegradation and aquatic toxicity	100% A	100% D	90.0%	-	Dutch CB	31 December 2018
Radialube 7251	Not limited by biodegradation and aquatic toxicity	100% A	100% D	88.9%		Dutch CB	31 December 2018
Radialube 7252	Not limited by biodegradation and aquatic toxicity	100% A	100% D	87.9%		Dutch CB	31 December 2018
Radialube 7253	Not limited by biodegradation and aquatic toxicity	100% A	100% D	87.0%		Dutch CB	31 December 2018
Radialube 7254	Not limited by biodegradation and aquatic toxicity	100% A	100% D	86.1%		Dutch CB	31 December 2018
Radialube 7255	Not limited by biodegradation and aquatic toxicity	100% A	100% D	85.9%		Dutch CB	31 December 2018
Radialube 7256	Not limited by biodegradation and aquatic toxicity	100% A	100% D	85.2%		Dutch CB	31 December 2018
Radialube 7257	Not limited by biodegradation and aquatic toxicity	100% A	100% D	84.3%		Dutch CB	31 December 2018
Radialube 7300	Not limited by biodegradation and aquatic toxicity	100% A	100% D	81.1%		Dutch CB	31 December 2018
Radia 7363	Not limited by biodegradation and aquatic toxicity	100% A	100% D	100%		Dutch CB	31 December 2018
Radia 7961	Not limited by biodegradation and aquatic toxicity	100% A	100% D	94.7%		Dutch CB	31 December 2018
Radialube 7364	Not limited by biodegradation and aquatic toxicity	100% A	100% D	89.9%		Dutch CB	31 December 2018
Radialube 7365	Not limited by biodegradation and aquatic toxicity	100% A	100% D	86.8%		Dutch CB	31 December 2018
Radialube 7366	Not limited by biodegradation and aquatic toxicity	100% A	100% D	83.9%		Dutch CB	31 December 2018
Radialube 7367	Not limited by biodegradation and aquatic toxicity	100% A	100% D	83.9%		Dutch CB	31 December 2018
Radialube 7368	Not limited by biodegradation and aquatic toxicity	100% A	100% D	83.9%		Dutch CB	31 December 2018
Radialube 7376	Not limited by biodegradation and aquatic toxicity	100% A	100% D	81.1%		Dutch CB	31 December 2018
Radialube 7377	Not limited by biodegradation and aquatic toxicity	100% A	100% D	87.3%		Dutch CB	31 December 2018
Radialube 7378	Not limited by biodegradation and aquatic toxicity	100% A	100% D	80.2%		Dutch CB	31 December 2018

Radialube 7393	Not limited by biodegradation and aquatic toxicity	100% A	100% D	88.9%	-	Dutch CB	31 December 2018
Radialube 7395	Not limited by biodegradation and aquatic toxicity	100% A	100% D	91.0%	-	Dutch CB	31 December 2018
Radialube 7563	Not limited by biodegradation and aquatic toxicity	100% A	100% D	89.8%	-	Dutch CB	31 December 2018
Radialube 7544	Not limited by biodegradation and aquatic toxicity	100% A	100% D	100%	-	Dutch CB	31 December 2018
Radialube 7588	Not limited by biodegradation and aquatic toxicity	100% A	100% D	79.1%	-	Dutch CB	31 December 2018
Radialube 7589	Not limited by biodegradation and aquatic toxicity	100% A	100% D	77.7%	-	Dutch CB	31 December 2018
Radialube 7688	Not limited by biodegradation and aquatic toxicity	100% A	100% D	88%	-	Dutch CB	31 December 2018
Radialube 7690	Not limited by biodegradation and aquatic toxicity	100% A	100% D	88%	-	Dutch CB	31 December 2018
Radialube 7691	Not limited by biodegradation and aquatic toxicity	100% A	100% D	89%	-	Dutch CB	31 December 2018
Radialube 7692	Not limited by biodegradation and aquatic toxicity	100% A	100% D	89%	-	Dutch CB	31 December 2018
Radialube 7694	Not limited by biodegradation and aquatic toxicity	100% A	100% D	88%	-	Dutch CB	31 December 2018
Radialube 7695	Not limited by biodegradation and aquatic toxicity	100% A	100% D	87.1%	-	Dutch CB	31 December 2018
Radialube 7698	Not limited by biodegradation and aquatic toxicity	100% A	100% D	87.9%	-	Dutch CB	31 December 2018
Radiamould 8205	Not limited by biodegradation and aquatic toxicity	100% A	100% D	94.7%	-	Dutch CB	31 December 2018
DEHYLUB 4012	Not limited by biodegradation and aquatic toxicity	100% A	100% D	68.0%	-	Dutch CB	31 December 2018
DEHYLUB 4016	Not limited by biodegradation and aquatic toxicity	100% A	100% D	90.0%	-	Dutch CB	31 December 2018
DEHYLUB 4022	Not limited by biodegradation and aquatic toxicity	100% A	100% D	78.0%	-	Dutch CB	31 December 2018
DEHYLUB 4030	Not limited by biodegradation and aquatic toxicity	100% A	100% D	90%	-	Dutch CB	31 December 2018
DEHYLUB 4059	Not limited by biodegradation and aquatic toxicity	100% A	100% D	60.9%	-	Dutch CB	31 December 2018
DEHYLUB 4060	Not limited by biodegradation and aquatic toxicity	100% A	100% D	86.0%	-	Dutch CB	31 December 2018
DEHYLUB 4062	Not limited by biodegradation and aquatic toxicity	100% A	100% D	85.0%	-	Dutch CB	31 December 2018
DEHYLUB 4064	Not limited by biodegradation and aquatic toxicity	100% A	100% D	85.0%	-	Dutch CB	31 December 2018
DEHYLUB 4071	Not limited by biodegradation and aquatic toxicity	100% A	100% D	66.0%	-	Dutch CB	31 December 2018

DEHYLUB 4108	Not limited by biodegradation and aquatic toxicity					100% A	100% D	83.6%	-	Dutch CB	31 December 2018
Nycobase 8103	Not limited by biodegradation and aquatic toxicity					100% A	100% D	78.6%		Dutch CB	31 December 2018
Nycobase 8311	Not limited by biodegradation and aquatic toxicity					100% A	100% D	83.1%		Dutch CB	31 December 2018
Nycobase 8318S	Not limited by biodegradation and aquatic toxicity					100% A	100% D	86.1%		Dutch CB	31 December 2018
Nycobase STM	Not limited by biodegradation and aquatic toxicity					100% A	100% D	90.0%		Dutch CB	31 December 2018
Nycobase 8345	Not limited by biodegradation and aquatic toxicity					100% A	100% D	83.1%		Dutch CB	31 December 2018
Nycobase 8306	Not limited by biodegradation and aquatic toxicity					100% A	100% D	83.1%		Dutch CB	31 December 2018
Nycobase 8812	Not limited by biodegradation and aquatic toxicity					100% A	100% D	83.1%		Dutch CB	31 December 2018
Nycobase 8361	Not limited by biodegradation and aquatic toxicity					100% A	100% D	56.3%		Dutch CB	31 December 2018
Nycobase 8397	Not limited by biodegradation and aquatic toxicity					100% A	100% D	50.0%		Dutch CB	31 December 2018
Pentalan 1	Not limited by biodegradation and aquatic toxicity					100% A	100% D	98%	-	Dutch CB	31 December 2018
Priolube 1427	Not limited by biodegradation and aquatic toxicity					100% A	100% D	89.8%		Dutch CB	31 December 2018
Priolube 1445	Not limited by biodegradation and aquatic toxicity					100% A	100% D	92.9%		Dutch CB	31 December 2018
Priolube 1446	Not limited by biodegradation and aquatic toxicity					100% A	100% D	88.7%		Dutch CB	31 December 2018
Priolube 1847	Not limited by biodegradation and aquatic toxicity					100% A	100% D	84.9%		Dutch CB	31 December 2018
Priolube 1851	Not limited by biodegradation and aquatic toxicity					100% A	100% D	88.2%		Dutch CB	31 December 2018
Priolube 1973	Not limited by biodegradation and aquatic toxicity					100% A	100% D	87.8%		Dutch CB	31 December 2018
Priolube 2065	Not limited by biodegradation and aquatic toxicity					100% A	100% D	89.8%		Dutch CB	31 December 2018
Priolube 2087	Not limited by biodegradation and aquatic toxicity					100% A	100% D	93.9%		Dutch CB	31 December 2018
Priolube 2088	Not limited by biodegradation and aquatic toxicity					100% A	100% D	93.9%		Dutch CB	31 December 2018
Priolube 2089	Not limited by biodegradation and aquatic toxicity					100% A	100% D	88.3%		Dutch CB	31 December 2018
Priolube 3970	Not limited by biodegradation and aquatic toxicity					100% A	100% D	81.6%		Dutch CB	31 December 2018
Priolube 3986	5%	25%	5%	10%	5%	100% C	100% D	81.3%		Dutch CB	31 December 2018
Priolube 3987	Not limited by biodegradation and aquatic toxicity					100% A	100% D	96.7%		Dutch CB	31 December 2018

Priolube 3988	Not limited by biodegradation and aquatic toxicity					100% A	100% D	86%		Dutch CB	31 December 2018
Priolube 3990	Not limited by biodegradation and aquatic toxicity					100% A	100% D	93.6%		Dutch CB	31 December 2018
LIGALUB 56 PE	Not limited by biodegradation and aquatic toxicity					100% A	100% D	82%		Dutch CB	31 December 2018
LIGALUB L101	Not limited by biodegradation and aquatic toxicity					100% A	100% D	80.9%		Dutch CB	31 December 2018
LIGALUB L102	Not limited by biodegradation and aquatic toxicity					100% A	100% D	73.1%	-	Dutch CB	31 December 2018
LIGALUB L103	Not limited by biodegradation and aquatic toxicity					100% A	100% D	84%		Dutch CB	31 December 2018
LIGALUB L103D	Not limited by biodegradation and aquatic toxicity					100% A	100% D	84.7%		Dutch CB	31 December 2018
Ligalub L103 HO/B	Not limited by biodegradation and aquatic toxicity					100% A	100% D	85%		Dutch CB	31 December 2018
LIGALUB L105	Not limited by biodegradation and aquatic toxicity					100% A	100% D	65.3%		Dutch CB	31 December 2018
LIGALUB L108	Not limited by biodegradation and aquatic toxicity					100% A	100% D	60%		Dutch CB	31 December 2018
LIGALUB L110	Not limited by biodegradation and aquatic toxicity					100% A	100% D	92%		Dutch CB	31 December 2018
LIGALUB 18 TMP A	Not limited by biodegradation and aquatic toxicity					100% A	100% D	89.5%		Dutch CB	31 December 2018
NovaSpec EL34	Not limited by biodegradation and aquatic toxicity					100% A	100% D	53%	Renewability based upon ASTM D-6866 test	Dutch CB	31 December 2018
Lexolube 3G-310	Not limited by biodegradation and aquatic toxicity					100% A	100% D	89.7%		Dutch CB	31 December 2018
Lexolube 3N-310	Not limited by biodegradation and aquatic toxicity					100% A	100% D	80.9%		Dutch CB	31 December 2018
Lexolube 3Q-310	Not limited by biodegradation and aquatic toxicity					100% A	100% D	79.5%		Dutch CB	31 December 2018
Lexolube 4N-415	Not limited by biodegradation and aquatic toxicity					100% A	100% D	83.0%		Dutch CB	31 December 2018
Lexolube FG-22 HX1	80%	100%	80%	100%	80%	94% A 6% B	100% D	80.5%		Dutch CB	31 December 2018
Lexolube GT-8551G	Not limited by biodegradation and aquatic toxicity					100% A	100% D	100%		Dutch CB	31 December 2018
Lexolube B-109	Not limited by biodegradation and aquatic toxicity					100% A	100% D	58.1%	-	Dutch CB	31 December 2018
Lexolube CG-3000	Not limited by biodegradation and aquatic toxicity					100% A	100% D	63.4%	-	Dutch CB	31 December 2018
Lexolube HS-S	Not limited by biodegradation and aquatic toxicity					100% A	100% D	65.2%	-	Dutch CB	31 December 2018
Lexolube T-110	Not limited by biodegradation and aquatic toxicity					100% A	100% D	65.0%	-	Dutch CB	31 December 2018

Lexolube CLG-460	Not limited by biodegradation and aquatic toxicity					100% A	100% D	69.2%	-	Dutch CB	31 December 2018
Lexolube CQ-3000	5%	25%	5%	20%	5%	100% B	100% D	57.4%	-	Dutch CB	31 December 2018
CalEster T	Not limited by biodegradation and aquatic toxicity					100% A	100% D	81.2%	-	Dutch CB	31 December 2018
Biosynthetic SE7B	Not limited by biodegradation and aquatic toxicity					100% A	100% D	79%	-	Dutch CB	31 December 2018
Biosynthetic SE15B	Not limited by biodegradation and aquatic toxicity					100% A	100% D	84%	-	Dutch CB	31 December 2018
Matrilox LP101M	Not limited by biodegradation and aquatic toxicity					100% A	100% D	81.7%	-	Dutch CB	31 December 2018
Temest H35	Not limited by biodegradation and aquatic toxicity					100% A	100% D	81%	-	Dutch CB	31 December 2018
Dapralube TO-HP	Not limited by biodegradation and aquatic toxicity					100% A	100% D	87%	-	Dutch CB	31 December 2018
Dapralube 320	Not limited by biodegradation and aquatic toxicity					100% A	100% D	85.7%	-	Dutch CB	31 December 2018
Domest 46	Not limited by biodegradation and aquatic toxicity					100% A	100% D	84.8%	-	Dutch CB	31 December 2018
Domest 68	Not limited by biodegradation and aquatic toxicity					100% A	100% D	80.7%	-	Dutch CB	31 December 2018
Domest BIO 46	Not limited by biodegradation and aquatic toxicity					100% A	100% D	73.7%	-	Dutch CB	31 December 2018
Metalest-TMPNPGOA	Not limited by biodegradation and aquatic toxicity					100% A	100% D	84.6%	-	Dutch CB	31 December 2018
Rodalube 118	Not limited by biodegradation and aquatic toxicity					100% A	100% D	68.3%	-	Dutch CB	31 December 2018
Rodalube 618SG	Not limited by biodegradation and aquatic toxicity					100% A	100% D	85.3%	-	Dutch CB	31 December 2018
Rodalube 618AH	Not limited by biodegradation and aquatic toxicity					100% A	100% D	86.0%	-	Dutch CB	31 December 2018
Rodalube T18	Not limited by biodegradation and aquatic toxicity					100% A	100% D	86.0%	-	Dutch CB	31 December 2018
Rodalube 680	Not limited by biodegradation and aquatic toxicity					100% A	100% D	83.9%	-	Dutch CB	31 December 2018
Rodalube T80	Not limited by biodegradation and aquatic toxicity					100% A	100% D	83.9%	-	Dutch CB	31 December 2018
Rodalube 60046	Not limited by biodegradation and aquatic toxicity					100% A	100% D	74.7%	-	Dutch CB	31 December 2018
Rodalube 61068A	Not limited by biodegradation and aquatic toxicity					100% A	100% D	80.3%	-	Dutch CB	31 December 2018
Rodalube 618LT	Not limited by biodegradation and aquatic toxicity					100% A	100% D	83.1%	-	Dutch CB	31 December 2018
Rodalube 660	Not limited by biodegradation and aquatic toxicity					100% A	100% D	81.9%	-	Dutch CB	31 December 2018
Hatcoil 2937	Not limited by biodegradation and aquatic toxicity					100% A	100% D	81.3%	-	Dutch CB	31 December 2018

Hatcoil 2938	Not limited by biodegradation and aquatic toxicity					100% A	100% D	81.3%		Dutch CB	31 December 2018
WEICHOL 3/134W	Not limited by biodegradation and aquatic toxicity					100% A	100% D	89.9%	-	Dutch CB	31 December 2018
WEICHOL 3/134A	Not limited by biodegradation and aquatic toxicity					100% A	100% D	85.6%	-	Dutch CB	31 December 2018
WAGLINOL 4/13680	Not limited by biodegradation and aquatic toxicity					100% A	100% D	88.6%	-	Dutch CB	31 December 2018
WAGLINOL 3/13480	Not limited by biodegradation and aquatic toxicity					100% A	100% D	83.2%	-	Dutch CB	31 December 2018
SOLDOC 4/136	Not limited by biodegradation and aquatic toxicity					100% A	100% D	96.7%	-	Dutch CB	31 December 2018
SOLDOC 3/134	Not limited by biodegradation and aquatic toxicity					100% A	100% D	95.1%	-	Dutch CB	31 December 2018
DOCADIT FL 136	Not limited by biodegradation and aquatic toxicity					100% A	100% D	100%	-	Dutch CB	31 December 2018
DOCADIT 10000	Not limited by biodegradation and aquatic toxicity					100% A	100% D	96.7%	-	Dutch CB	31 December 2018
DOCADIT 3200	Not limited by biodegradation and aquatic toxicity					100% A	100% D	94.1%	-	Dutch CB	31 December 2018
DOCADIT 470	Not limited by biodegradation and aquatic toxicity					100% A	100% D	95.1%	-	Dutch CB	31 December 2018
DOCADIT 5000	Not limited by biodegradation and aquatic toxicity					100% A	100% D	95.9%	-	Dutch CB	31 December 2018
DOCADIT 10010	Not limited by biodegradation and aquatic toxicity					100% A	100% D	95.5%	-	Dutch CB	31 December 2018
Thickeners											
Functional V-508	30%	30%	30%	30%	30%	16% C 84% A	100% D	84%	-	Dutch CB	31 December 2018
Functional V-508F	16.1%	16.1%	16.1%	16.1%	16.1%	31% C 69% A	100% D	63%	-	Dutch CB	31 December 2018
Functional V-508M	25%	25%	25%	25%	25%	20% C 80% A	100% D	80%	-	Dutch CB	31 December 2018
Functional V-584	20%	20%	20%	20%	20%	5% C 95% A	100% D	99%	-	Dutch CB	31 December 2018
Emerox 1144	10%	10%	5%	10%	10%	100% A	100% E	100%	Also limited by H315/H319	Dutch CB	31 December 2018
Additives											
Irganox® L 06	5%	25%	5%	10%	5%	100% C	100% D	0%		Dutch CB	31 December 2018
Irganox® L67	5%	10%	5%	10%	5%	100% C	100% D	0%		Dutch CB	31 December 2018
Irganox® L 101	5%	25%	5%	10%	5%	100% C	100% D	0%		Dutch CB	31 December 2018
Irganox® L 107	5%	25%	5%	20%	5%	100% C	100% D	0%		Dutch CB	31 December 2018
Irganox® L 109	5%	25%	5%	10%	5%	100% C	100% D	0%		Dutch CB	31 December 2018

Irganox® L 115	5%	25%	5%	10%	5%	100% C	100% D	0%		Dutch CB	31 December 2018
Irganox® L 135	2%	2%	2%	2%	2%	95% C	100% D	0%	Limited by the presence of 5% of a substance classified as not-biodegradable and bioaccumulative..	Dutch CB	31 December 2018
Irgafos® 168	5%	25%	5%	10%	5%	100% C	100% D	0%		Dutch CB	31 December 2018
Irgalube® 211	2.5%	1%	0.5%	1%	2.5%	100% C	100% F	0%	Limited by H411	Dutch CB	31 December 2018
Irgalube® 349	2.5%	1%	0.5%	1%	2.5%	100% C	100% F	0%	Limited by H411	Dutch CB	31 December 2018
Irgalube® 353	1%	1%	1%	1%	1%	100% C	100% E	0%	Limited by H317	Dutch CB	31 December 2018
Irgacor® L 12	0.2%	0.2%	0.2%	0.2%	0.2%	-	-	0%	A mixture of different substances with the major substance represented at a maximum of 50% w/w.	Dutch CB	31 December 2018
Irganox® L 57	0.5%	0.5%	0.5%	0.5%	0.5%	-	100% E	0%	A mixture of different substances with the major substance represented at a maximum of 20% w/w.	Dutch CB	31 December 2018
Irgafos® OPH	0.1%	0.1%	0.1%	0.1%	0.1%	-	-	0%		Dutch CB	31 December 2018
Sarkosyl® O	0.1%	0.1%	0.1%	0.1%	0.1%	-	-	0%		Dutch CB	31 December 2018
Irgalube® 232	0.1%	0.1%	0.1%	0.1%	0.1%	-	-	0%		Dutch CB	31 December 2018
Irgalube® TPPT	0.1%	0.1%	0.1%	0.1%	0.1%	-	-	0%		Dutch CB	31 December 2018
Irgamet® BTZ	0.1%	0.1%	0.1%	0.1%	0.1%	-	-	0%		Dutch CB	31 December 2018
Irgamet® TTZ	0.1%	0.1%	0.1%	0.1%	0.1%	-	-	0%		Dutch CB	31 December 2018
Irganox® L 55	0.6%	0.6%	0.6%	0.6%	0.6%	16% C	16% D	0%		Dutch CB	31 December 2018
Irganox® L 64	0.6%	0.6%	0.6%	0.6%	0.6%	20% C	20% D	0%		Dutch CB	31 December 2018
Irganox® L 150	0.7%	0.7%	0.7%	0.7%	0.7%	30% C	30% D	0%		Dutch CB	31 December 2018
Irganox® ML 811	1.64%	1.4%	0.7%	1.4%	1.64%	70% C	70% F	0%	Max treat rate lowers fraction H317 to <0.1%	Dutch CB	31 December 2018
Irgalube® 2030 C	0.7%	0.7%	0.7%	0.7%	0.7%	34% C	34% F	0%		Dutch CB	31 December 2018
Synative ES TMP 05/1000	5%	25%	5%	20%	5%	100%B	100%D	87%		Dutch CB	31 December 2018
Additin M82.001	1.1%	1.1%	1.1%	1.1%	1.1%	80%C	90%E	0%		Dutch CB	31 December 2018
Additin M93.001	3.0%	3.0%	3.0%	3.0%	3.0%	90%C	87%D	34%		Dutch CB	31 December 2018
Additin M95.001	8.0%	8.0%	8.0%	8.0%	8.0%	28%A 26%B 42%C	45%D 44%E 9%F	24%		Dutch CB	31 December 2018
Additin RC2317	5%	5%	5%	5%	5%	100% C	100% E	95%		Dutch CB	31 December 2018
Additin RC2415	5%	12%	5%	10%	5%	100% C	60% E 36% D	83%		Dutch CB	31 December 2018
Additin RC2515	7%	7%	7%	7%	7%	75% B 25% C	25% E 68% D	66%		Dutch CB	31 December 2018
Additin RC2540	0.25%	0.25%	0.25%	0.25%	0.25%	-	-	0%	A mixture of substances with the highest mass fraction at 40%	Dutch CB	31 December 2018
Additin RC2818	5%	25%	5%	10%	5%	100% B	100% E	95%		Dutch CB	31 December 2018
Additin RC3640	1%	1%	0.5%	1%	1%	100% C	100% F	0%	Max treat rate also limited by H351	Dutch CB	31 December 2018
Additin RC3760	2.5%	1%	0.5%	1%	2.5%	100% C	100% F	0%	max treat rate also limited H411	Dutch CB	31 December 2018
Additin RC3775	2.5%	1%	0.5%	1%	2.5%	96% C	100% F	0%	Also limited by H411	Dutch CB	31 December 2018
Additin RC3890	5%	25%	5%	10%	5%	100% C	100% D	0%		Dutch CB	31 December 2018

Additin RC4801	0.14%	0.14%	0.14%	0.14%	0.14%	-	-	0%	A mixture of different substances with the major substance represented at a maximum of 70% w/w.	Dutch CB	31 December 2018
Additin RC4802	0.20%	0.20%	0.20%	0.20%	0.20%	-	-	0%	A mixture of different substances with the major substance represented at a maximum of 50% w/w.	Dutch CB	31 December 2018
Additin RC4803	20%	25%	5%	25%	20%	100% A	100% E	0%		Dutch CB	31 December 2018
Additin RC4810	0.5%	0.5%	0.5%	0.5%	0.5%	70% C	70% D	0%		Dutch CB	31 December 2018
Additin RC4820	0.10%	0.10%	0.10%	0.10%	0.10%	-	-	0%		Dutch CB	31 December 2018
Additin RC5010	20%	25%	5%	25%	20%	100% A	100% E	40%		Dutch CB	31 December 2018
Additin RC5250	5%	25%	5%	20%	5%	100% B	100% D	100%		Dutch CB	31 December 2018
Additin RC6340	5%	25%	5%	10%	5%	100% C	100% D	0%		Dutch CB	31 December 2018
Additin RC7001	0.10%	0.10%	0.10%	0.10%	0.10%	-	-	0%		Dutch CB	31 December 2018
Additin RC7201	5%	25%	5%	10%	5%	100% C	100% D	0%		Dutch CB	31 December 2018
Additin RC7207	5%	25%	5%	10%	5%	100% C	100% D	0%		Dutch CB	31 December 2018
Additin RC7209	5%	5%	5%	5%	5%	98% C	100% D	0%		Dutch CB	31 December 2018
Additin RC7110	0.10%	0.10%	0.10%	0.10%	0.10%	-	- (M=1)	0%		Dutch CB	31 December 2018
Additin RC7115	0.10%	0.10%	0.10%	0.10%	0.10%	-	-	0%		Dutch CB	31 December 2018
Additin RC7120	0.10%	0.10%	0.10%	0.10%	0.10%	-	- (M=1)	0%		Dutch CB	31 December 2018
Additin RC7215	5%	25%	5%	10%	5%	100% C	100% D	0%		Dutch CB	31 December 2018
Additin RC7235	5%	10%	5%	10%	5%	98% C	100% D	0%		Dutch CB	31 December 2018
Additin RC8000	2%	2%	2%	2%	2%	92% C	92% D	99%		Dutch CB	31 December 2018
Additin RC8012	Not limited by biodegradation and aquatic toxicity					100% A	100% D	0%		Dutch CB	31 December 2018
Additin RC8103	5%	1%	0.5%	1%	5%	100% A	100% F	80%		Dutch CB	31 December 2018
Additin RC8210	5%	25%	5%	10%	5%	100% C	100% E	0%		Dutch CB	31 December 2018
Additin RC8213	1.2%	1.2%	1.2%	1.2%	1.2%	92% C	100% E	0%		Dutch CB	31 December 2018
Additin RC8221	5%	1%	0.5%	1%	5%	100% C	100% F	0%		Dutch CB	31 December 2018
Additin RC8239	0.10%	0.10%	0.10%	0.10%	0.10%	-	-	0%		Dutch CB	31 December 2018
Additin RC8400	5%	8%	5%	8%	5%	93% C	93% E	0%		Dutch CB	31 December 2018
Additin RC9321	0.36%	0.36%	0.36%	0.36%	0.36%	-	-	0%	A mixture of different substances with the major substance represented at a maximum of 28% w/w.	Dutch CB	31 December 2018
Naugalube 438L	5%	10%	5%	10%	5%	100% C	99% D 1% G (M=1)	0%		Dutch CB	31 December 2018
Naugalube 531	5%	25%	5%	20%	5%	100% C	100% D	0%		Dutch CB	31 December 2018
Naugalube 750	0.50%	0.50%	0.50%	0.50%	0.50%	46% C	100% E	0%		Dutch CB	31 December 2018
NA-LUBE BL1232EL	1.8%	1.8%	1.8%	1.8%	1.8%	82% C	32% D 21% E 29% F	0%		Dutch CB	31 December 2018
NA- LUBE® ADTC	5%	25%	5%	10%	5%	100% C	100% E	0%		Dutch CB	31 December 2018
K-CORR NF-400	1.0%	1.0%	1.0%	1.0%	1.0%	90% C	100% D	0%		Dutch CB	31 December 2018
KX1323	1.8%	1.8%	1.8%	1.8%	1.8%	76% C	30% D 20% E 28% F	0%	-	Dutch CB	31 December 2018
NA-LUBE AW-6330	5%	25%	5%	10%	5%	100% C	100% D	0%		Dutch CB	31 December 2018
NA-SUL® CA 770FG	5%	5%	5%	5%	5%	98% C	98% D	0%		Dutch CB	31 December 2018

Deophos A8	1%	1%	1%	1%	1%	100%B	100%E	0%	Limited byH314	Dutch CB	31 December 2018
Deophos 218	5%	25%	5%	10%	5%	100%C	100%D	0%		Dutch CB	31 December 2018
Deophos 228	0.1%	0.1%	0.1%	0.1%	0.1%	-	-(M=1)	0%		Dutch CB	31 December 2018
DeoAdd MRD 10	5%	25%	5%	10%	5%	100%C	100%D	68%		Dutch CB	31 December 2018
DeoAdd V 300	5%	25%	5%	10%	5%	100% C	100% E	0%		Dutch CB	31 December 2018
DeoAdd MRD 16	5%	25%	5%	20%	5%	100% B	100% D	68%		Dutch CB	31 December 2018
DeoAdd MRZ 16	5%	25%	5%	10%	5%	100% B	100% D	68%		Dutch CB	31 December 2018
CHE-APC-18	5%	25%	5%	10%	5%	100% C	100% D	0%		Dutch CB	31 December 2018
NATOIL GmbH C 210	0.35%	0.35%	0.35%	0.35%	0.35%	-	-	0%	A mixture of different substances but where no substance exceeds 0.1% in the final formulation	Dutch CB	31 December 2018
NATOIL GmbH C 250	5%	5%	5%	5%	5%	100%C	100%D	0%		Dutch CB	31 December 2018
NATOIL GmbH C 255	5%	20%	5%	15%	5%	100%B	100%D	65%		Dutch CB	31 December 2018
NATOIL GmbH C 2000	2%	2%	2%	2%	2%	92%C	92%D	95%		Dutch CB	31 December 2018
Lubrizol® 4320FG	2.5%	1%	0.5%	1%	2.5%	100%C	100%F	0%	Also limited by H411	Dutch CB	31 December 2018
Lubrizol® 5686EL	1.25%	0%	0%	0%	0%	95%C	95%D	0%		UK CB	31 December 2018
Lubrizol® GR213A	0%	5.3%	0%	0%	0%	91%C	100%D	0%		Dutch CB	31 December 2018
MC TPPT	0.1%	0.1%	0.1%	0.1%	0.1%	100%X	-(M=1)	0%	-	Dutch CB	31 December 2018
Synovelle H TPPT	0.1%	0.1%	0.1%	0.1%	0.1%	100%X	-(M=1)	0%	-	Dutch CB	31 December 2018
Vanlube 81	5%	6%	5%	6%	5%	93%C	100%D	0%		Dutch CB	31 December 2018
Vanlube 7723	5%	25%	5%	10%	5%	99%C	100%D	0%		Dutch CB	31 December 2018
Octopol MB	5%	25%	5%	10%	5%	99%C	100%D	0%		Dutch CB	31 December 2018
LUBIO® AW 11	5%	5%	5%	5%	5%	100%C	100%D	0%	-	Dutch CB	31 December 2018
LUBIO® AO 17	0.35%	0.35%	0.35%	0.35%	0.35%	-	-(M=1)	0%	A mixture of different substances but where no substance exceeds 0.10% in the final formulation	Dutch CB	31 December 2018
LUBIO® EP 13	5%	20%	5%	15%	5%	100%B	100%D	65%	-	Dutch CB	31 December 2018
LUBIO® AS 12	3%	3%	3%	3%	3%	97%C	97%D	0%	-	Dutch CB	31 December 2018
LUBIO® AW 15	4%	4%	4%	4%	4%	75%A 25%B	75%D 25%F	77%	-	Dutch CB	31 December 2018
LUBIO® CI 10	20%	25%	5%	25%	20%	10%A	100%E	0%		Dutch CB	31 December 2018
LUBIO® MD 6	5%	25%	5%	10%	5%	100%C	100%E	0%	-	Dutch CB	31 December 2018
LUBIO® MD 7	1.2%	1.2%	1.2%	1.2%	1.2%	92%C	100%E	0%		Dutch CB	31 December 2018
LUBIO® TF1	50%	100%	50%	100%	50%	90%A 10%C	100%D	100%		Dutch CB	31 December 2018
Emulsogen MTP 070	5%	1%	0.5%	1%	5%	100%A	100%E	31%	-	Dutch CB	31 December 2018
Polymer systems											
NATOIL GmbH C 902	3%	3%	3%	3%	3%	97%C	97%D	0%		Dutch CB	31 December 2018
NATOIL GmbH C 903	3%	3%	3%	3%	3%	97%C	97%D	0%		Dutch CB	31 December 2018
Viscoplex 1-807	5%	25%	5%	10%	5%	100%C	100%D	0%		Dutch CB	31 December 2018
Viscoplex 8-219	7.1%	-	-	-	-	28%B 72%C	100%D	0%		Dutch CB	31 December 2018
Viscoplex 8-891	5%	25%	5%	10%	5%	100%C	100%D	0%		Dutch CB	31 December 2018
Viscoplex 10-950	12.98%	64.93%	12.98%	25.97%	12.98%	61.5%A 38.5%C	100%D	39%		German CB	31 December 2018

Viscoplex 10-310	7.14%	35.71%	7.14%	14.28%	7.14%	30%A 70%C	100%D	22%		German CB	31 December 2018
Kusacryl 952	14.28%	71.42%	14.28%	28.57%	14.28%	65%A 35%C	100%D	33%		German CB	31 December 2018
TAC OIL BA	55.55%	100%	55.55%	100%	55.55%	91%A 9%C	100%D	91%		German CB	31 December 2018
Functional HF-590	5.4%	-	-	-	-	5%A 87%C	99%D	7%		Dutch CB	31 December 2018
Functional PD-590	8%	10%	8%	10%	8%	40%A 60%C	100%D	80%		Dutch CB	31 December 2018
Functional SGP-571	-	-	3.0%	-	-	50%A 38%C	67%D 17%E 16%F	44%		Dutch CB	31 December 2018

- a) In case the data on the LuSC-list are different from that of its corresponding valid LoC, the valid LoC is binding.
- b) Substances that are excluded by according to Criterion 1b and 2 of the EU decision 2011/381/EU are not present above 0.010% in the final composition.
- c) The treat rate is usually set by the supplier before the assessment. The stated maximum treat rates on the LuSC-list are unaffected by the CLP changes of June 2015.
- d) 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 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 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).