

AGROCHEMICAL REGISTRATION UNIT

DEPARTMENT OF AGROCHEMICALS AND EQUIPMENT



List of authorized components for formulated synthetic pesticides, adjuvants and related substances¹

Responsible: Agroinsumos Environmental Assessment Unit, DIGECA

One-Stop Shop for Pesticide Registration-MS

Date: 7-8-2023

Version 3.0

Chemical substances possess certain inherent or intrinsic properties that affect their dangerousness, which can make them corrosive, reactive, explosive, toxic or flammable (Yarto, Ize and Gavilán, 2003). A substance is said to be dangerous when has one or more of the following characteristics: it is dangerous to human health, It can cause fires and explosions or is considered dangerous for the environment. (Polytechnic University of Madrid, 2014).

Pesticides are usually made up of a substance that has an effect biocide: active ingredient (AI). Also, most pesticides are made up of substances other than the active ingredients known as inert ingredients or are also called, as "other ingredients" (Environmental Protection Agency (EPA) 2022). An inert ingredient is usually any substance or group of similar substances other than an active ingredient, which has no activity biological and is used as a conditioner of the active ingredient for the control of pests and diseases, it is intentionally included in a pesticide product (Fonseca and Matarrita, 1993). Some examples of inert ingredients are emulsifiers, solvents, carriers, aerosol propellants, fragrances, and dyes (EPA, 2022).

In addition to the inert ingredients that are part of synthetic pesticides formulated, these products can be mixed before being used in agriculture with adjuvants that contribute, assist or help to perform a better action when properly mixed with a formulated synthetic pesticide, in accordance with the

¹ In accordance with the provisions of section 10.8.1 of Executive Decree No. 43838 MAG-S-MINAE "Technical Regulation RTCR 509:2022. Agricultural Inputs Registry. Formulated Synthetic Pesticides, Technical Grade Active Ingredient, Adjuvants, Physical Vehicles and Related Substances for Agricultural Use".

AGROCHEMICAL REGISTRATION UNIT

DEPARTMENT OF AGROCHEMICALS AND EQUIPMENT



indicated in numerals 4.12 and 4.13 of executive decree No. 43838 "RTCR 509:2022.

Agricultural Inputs Registry. Formulated Synthetic Pesticides, Active Ingredient Grade Technical, Adjuvants, Physical Vehicles and Related Substances for Agricultural Use" (Decree Executive N°43838-MAG-S MINAE, 2022).

There is also the use of related substances, which are substances intended for used in crops as synthetic repellents, attractants, sunscreens, substances applied to the product after harvest to protect it from deterioration During storage and transport, glues or rubbers, previous seed protectors to planting against the action of chemical substances, phytotoxicity protectors as well as growth regulators and physiological inducers, desiccants and defoliant (Decree Executive No. 43838-MAG-S-MINAE, article 1, numeral 4.72, 2022).

Many of the components commonly used for the formulation of Formulated synthetic pesticides, adjuvants and related substances have already been evaluated and considered of low danger to the environment and human health by authorities such as the United States Environmental Protection Agency (EPA, 2022), the Commission European Commission (REACH, 2007) and the European Chemicals Agency (ECHA, n.d.). Therefore, Therefore, the objective of this document is to provide the "List of Authorized Components for formulated synthetic pesticides, adjuvants and related substances", in order to speed up the registration and registration modifications of these types of products.

METHODOLOGY

In compliance with numeral 10.8.1 of Executive Decree No. 43838-MAG-S-MINAE developed the list of authorized components for synthetic pesticides formulated, adjuvants and related substances. For the preparation of the list present in the Annex 2 took into consideration the information provided by the Protection Agency United States Environmental Protection Agency (EPA), the European Commission and the European Chemicals (ECHA). These international organizations have been selected as reference, since they are supported by numerous toxicological and ecotoxicological studies short and long term, as well as the possible associated risks, which is why they are considered as the main entities referring to this topic.

AGROCHEMICAL REGISTRATION UNIT

DEPARTMENT OF AGROCHEMICALS AND EQUIPMENT



The EPA website provides lists of inert pesticide ingredients (List 4A – List 4B), where they determine that the verification that a substance has a Minimum risk is based on the general recognition of its chemical characteristics (toxicity) very low or practically non-toxic), as well as the properties of the substance and a history safe to use under reasonable circumstances (EPA, 2004, 2016, 2022).

As mentioned by the EPA (2022), minimal risk substances (List 4A) are recognized as safe for use in all pesticide products subject only to good agricultural or manufacturing practices. Furthermore, the EPA concludes based on the information collected that the ingredients on list A4 for pesticide products do not will adversely affect human health or the environment, however, it is important pay attention to those ingredients that have some degree of impact and assess their applicability to prevent future damage.

Similarly, the EPA notes that substances on List 4 that have higher acute toxicity are generally classified as List 4B (EPA, 2022).

The list provided in Annex IV (exemptions from the obligation) was also used. of registration in accordance with Article 2(7)(a) of the European Union Regulation: Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), which It was adopted to improve the protection of human health and the environment from the risks which can produce the use of chemical substances and mixtures, and in turn enhance the competitiveness of the European Union's chemical industry. It also promotes innovative methods alternatives for the evaluation of the danger of substances, in order to reduce the number of animal testing (REACH, 2007).

On the other hand, the information available at ECHA was consulted, where it is considered those substances that represent some level of danger either for the environment or for human health. It can be consulted on the website: <https://echa.europa.eu/es/home> by the CAS number of each chemical substance (ECHA, n.d.).

Finally, the three databases (EPA List 4A and 4B, REACH Annex 4) are unified and individual verification of each substance was carried out with its CAS number in the

AGROCHEMICAL REGISTRATION UNIT

DEPARTMENT OF AGROCHEMICALS AND EQUIPMENT



ECHA website, in order to ensure that there were no health or safety alerts.

environment, resulting in a leaked list that is published in Annex 2 of this document.

This list may be updated and modified by the reviewing authorities. competent authorities of the MS and MINAE, taking into consideration new inclusions or alerts that are indicated in the reference entities. The applicant must consult it prior to submitting the application for inclusion.

The user may, in turn, suggest the addition of new substances to the aforementioned list. with prior technical justification and subsequent assessment by the MS and MINAE, following the procedure indicated below:

PROCEDURE FOR REQUESTING INCLUSION OF SUBSTANCES

For applications for inclusion in this list, a chemical substance shall be understood as a particular class of homogeneous matter whose composition is fixed and chemically defined, under a single CAS2 number . Therefore, mixtures of substances cannot be included.

These substances correspond to components of formulations, adjuvants, related substances³ and other agricultural products.

1. The applicant must submit to the SFE an application for inclusion of the substance of interest in the list published in digital format. For this request, the following must be attached: form available in Annex 1 of this document.
2. The applicant must attach in digital format the link and the technical information and scientific evidence supporting the request, which must come from some authority internationally recognized (EPA, EFSA/ECHA/REACH/OECD).
3. The applicant shall ensure that the substance is not included in Annex 2.
4. **It is mandatory that the substance being requested to be included is free of warnings. dangerous under any use and presentation, both for the environment and for human health in the reference organizations used for the preparation**

² According to section 4 definition CAS number of DE 43838-MAG-S-MINAE.

³ According to section 4 definitions of adjuvant and related substance of DE 43838-MAG-S-MINAE.

AGROCHEMICAL REGISTRATION UNIT

DEPARTMENT OF AGROCHEMICALS AND EQUIPMENT



from the current list. In addition, it must be exempt from warnings for its transportation, packaging, storage and any physical-chemical reaction during handling.

5. It is important to emphasize that the information supporting the request must be specific.
of the substance or substances to be included. Information on the substance or substances to be included may not be used.
mixtures that include the component, as well as no substance information
parent or degradation products of the component of interest.

AGROCHEMICAL REGISTRATION UNIT
DEPARTMENT OF AGROCHEMICALS AND EQUIPMENT



Annex 1. Application form for inclusion of substances in the “List of components” authorized for formulated synthetic pesticides, adjuvants and related substances.”

Data on the substance of interest		
CAS number		
Common name		
Synonyms		
Check if the substance is present in the “List of authorized components for formulated synthetic pesticides, adjuvants and related substances”, published by the SFE:		
	Yeah	No
The name and CAS number of the substance are present:	()	()
If the substance is present on the list with its corresponding CAS Number, do not proceed with this request.		
Verification of alerts to human health and safety		
Submit alerts to ECHA	Yeah ()	No ()
Links1 :		
Files alerts in EPA	Yeah ()	No ()
Links:		
Other reference sources		

¹ <https://echa.europa.eu/es/home>

AGROCHEMICAL REGISTRATION UNIT

DEPARTMENT OF AGROCHEMICALS AND EQUIPMENT



Comments	
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Verification of environmental alerts		
Submit alerts to ECHA	Yeah ()	No ()
Links:		
Files alerts in EPA	Yeah ()	No ()
Links:		
Other reference sources		
Comments		

Note: Supporting information must be submitted in digital version for the Ministry of Health and the Ministry of Environment and Energy carry out the verification of the reference links.

Digitally attach information supporting the absence of alerts to human health or the environment, in case of that he considers necessary.

AGROCHEMICAL REGISTRATION UNIT

DEPARTMENT OF AGROCHEMICALS AND EQUIPMENT

Annex 2. List of authorized components for formulated synthetic pesticides, adjuvants and related substances.

Chemical name	CAS1 number	Substance code
Sorbitol / D-glucitol L-	50-70-4	MINAE-MS-001
Ascorbic acid	50-81-7	MINAE-MS-002
Dextrose/Glucose C ₆ H ₁₂ O ₆	50-99-7	MINAE-MS-003
Glycerol (glycerin) 1,2,3 propanetriol L-lysine	56-81-5	MINAE-MS-004
C ₆ H ₁₄ N ₂ O ₂ Hexadecanoic	56-87-1	MINAE-MS-005
acid /Palmitic acid Stearic acid Urea	57-10-3	MINAE-MS-006
Fructose	57-11-4	MINAE-MS-007
	57-13-6	MINAE-MS-008
C ₆ H ₁₂ O ₆ Propylene	57-48-7	MINAE-MS-009
glycol/Propane-1,2-diol Sugar/Sucrose pure	57-55-6	MINAE-MS-010
C ₁₂ H ₂₂ O ₁₁ / Sucrose (3.beta.)- Cholest-5-en-3-ol/	57-50-1	MINAE-MS-011
Cholesterol Thiamine mononitrate/Pyridoxine	57-88-5	MINAE-MS-012
hydrochloride D- Xylose Galactose C ₆ H ₁₂ O ₆ Folic acid DL-	58-56-0	MINAE-MS-013
methionine	58-86-6	MINAE-MS-014
C ₅ H ₁₁ NO ₂ S Acetic	59-23-4	MINAE-MS-015
acid, calcium	59-30-3	MINAE-MS-016
salt/ Calcium di(acetate)	59-51-8	MINAE-MS-017
	62-54-4	MINAE-MS-018
Lactose C ₁₂ H ₂₂ O ₁₁	63-42-3	MINAE-MS-019
L- Methionine	63-68-3	MINAE-MS-020
Choline chloride	67-48-1	MINAE-MS-021
Vitamin B ₁₂ /Cyanocobalamin Citric	68-19-9	MINAE-MS-022
acid trisodium salt/Trisodium citrate D-mannitol	68-04-2	MINAE-MS-023
C ₆ H ₁₄ O ₆ L- Tryptophan	69-65-8	MINAE-MS-024
Acetyl tributyl	73-22-3	MINAE-MS-025
citrate/Tributyl O-acetylcitrate Pentaerythritol	77-90-7	MINAE-MS-026
monostearate/3-hydroxy-2,2-	78-23-9	MINAE-MS-027
bis(hydroxymethyl)propyl stearate L-		
sorbitol C ₆ H ₁₂ O ₆	87-79-6	MINAE-MS-028
Propyl p-hydroxybenzoate	94-13-3	MINAE-MS-029
gamma- Butyrolactone	96-48-0	MINAE-MS-030
Lactic acid ethyl ester	97-64-3	MINAE-MS-031
Methyl p-hydroxybenzoate	99-76-3	MINAE-MS-032
Glyceryl triacetate	102-76-1	MINAE-MS-033
Butanedioic acid, dimethyl ester/Dimethyl succinate Butanedioic	106-65-0	MINAE-MS-034
acid /Succinic acid Isopropyl myristate	110-15-6	MINAE-MS-035
Sorbic acid /Hexa-2,4	110-27-0	MINAE-MS-036
-dienoic acid	110-44-1	MINAE-MS-037

¹ In this list, consult according to the CAS number of the substance, not the chemical name.

Chemical name	CAS1 number	Substance code
9- Octadecenenoic acid (Z)-, 2,3-dihydroxypropyl ester Decanedioic acid /	111-03-5	MINAE-MS-038
Sebacic acid Methyl oleate Oleic acid	111-20-6	MINAE-MS-039
Pentaerythritol	112-62-9	MINAE-MS-040
tetrastearate	112-80-1	MINAE-MS-041
1H- Type Vanillin Glycerol stearate,	115-83-3	MINAE-MS-042
pure C ₂₁ H ₄₂ O ₄	120-72-9	MINAE-MS-043
Butyl	121-33-5	MINAE-MS-044
stearate Methyl tetradecanoate / Methyl	123-94-4	MINAE-MS-045
myristate Sodium	123-95-5	MINAE-MS-046
diacetate /Sodium hydrogen di(acetate)	124-10-7	MINAE-MS-047
	126-96-5	MINAE-MS-048
Acetic acid, potassium salt /potassium acetate Acetic	127-08-2	MINAE-MS-049
acid, sodium salt /Sodium acetate Sodium	127-09-3	MINAE-MS-050
ascorbate Calcium	134-03-2	MINAE-MS-051
pantothenate, D-form C ₉ H ₁₇ NO ₅ .1/2Ca /Alanine, N-(2,4-dihydroxy-3,3-dimethyl-1-oxobutyl)-, beta- calcium salt (2:1), (R)-	137-08-6	MINAE-MS-052
Ascorbyl palmitate /6-O-palmitoylascorbic acid Lactic acid	137-66-6	MINAE-MS-053
n-butyl ester /Butyl lactate Glyceryl tris (12-hydroxystearate) /1,2,3-propanetriyl tris(12-hydroxyoctadecanoate)	138-22-7	MINAE-MS-054
	139-44-6	MINAE-MS-055
Dodecanoic acid, 2,3-dihydroxypropyl ester /2,3-dihydroxypropyl laurate	142-18-7	MINAE-MS-056
Dodecanoic acid /Lauric acid 9-	143-07-7	MINAE-MS-057
Octadecenoic acid (9Z)-, sodium salt /Sodium oleate 9-	143-19-1	MINAE-MS-058
Octadecen- 1 -ol, (9Z)- / (Z)-octadec-9-enol Citric acid	143-28-2	MINAE-MS-059
disodium salt /Disodium hydrogen citrate Carbonic acid	144-33-2	MINAE-MS-060
monosodium salt /Sodium hydrogencarbonate	144-55-8	MINAE-MS-061
Copper phthalocyanine		
blue /29H,31H-phthalocyaninato(2-)-N ₂₉ ,N ₃₀ ,N ₃₁ ,N ₃₂ copper Arabinose DL-phenylalanine	147-14-8	MINAE-MS-062
C ₉ H ₁₁ NO ₂	147-81-9	MINAE-MS-063
Sodium gluconate C ₆ H ₁₂ O ₇ Na/	150-30-1	MINAE-MS-064
Gluconic acid, sodium salt Benzoic acid, sodium salt / Sodium	527-07-1	MINAE-MS-065
benzoate Tetradecanoic acid /Myristic acid Carbonic	532-32-1	MINAE-MS-066
acid magnesium salt (1:1) /Magnesium	544-63-8	MINAE-MS-067
carbonate Octadecanoic acid zinc salt /Zinc distearate Ferrous	546-93-0	MINAE-MS-068
carbonate /Iron carbonate Carbonic acid dipotassium	557-05-1	MINAE-MS-069
salt Tetradecanoic acid, 2,3-	563-71-3	MINAE-MS-070
dihydroxypropyl ester Octadecanoic	584-08-7	MINAE-MS-071
acid potassium salt /Potassium stearate	589-68-4	MINAE-MS-072
	593-29-3	MINAE-MS-073

Chemical name	CAS1 number	Substance code
Carbonic acid manganese (2+) salt (1:1) /Manganese carbonate Acetic acid	598-62-9	MINAE-MS-074
ammonium salt /Ammonium acetate Octadecanoic acid	631-61-8	MINAE-MS-075
aluminum salt /Aluminium tristearate Citric acid calcium salt (2:3) /	637-12-7	MINAE-MS-076
Tricalcium dicitrate Octadecanoic acid sodium salt /Sodium stearate Citric acid monopotassium salt /Potassium	813-94-5	MINAE-MS-077
	822-16-2	MINAE-MS-078
dihydrogen 2-hydroxypropane-1,2,3-tricarboxylate Citric acid tripotassium salt /Tripotassium citrate Sodium	866-83-1	MINAE-MS-079
tartrate /Disodium tartrate 3- Hexen-1-ol, (Z)- /cis-hex-3-en- 1-ol Bentonite Calcium hydroxide Calcium	866-84-2	MINAE-MS-080
	868-18-8	MINAE-MS-081
oxide Iron oxide (Fe ₂ O ₃)	928-96-1	MINAE-MS-082
	1302-78-9	MINAE-MS-083
	1305-62-0	MINAE-MS-084
	1305-78-8	MINAE-MS-085
	1309-37-1	MINAE-MS-086
Magnesium hydroxide	1309-42-8	MINAE-MS-087
Montmorillonite	1318-93-0	MINAE-MS-088
Octodecanoic acid, diester with 1,2,3-propanetriol (9CI) / Distearic acid, diester with glycerol Mullite /	1323-83-7	MINAE-MS-089
Aluminatesilicate Aluminum	1327-36-2	MINAE-MS-090
magnesium silicate /Silicic acid aluminum magnesium salt Aluminum potassium	1327-43-1	MINAE-MS-091
silicate /Silicic acid aluminum potassium salt CI Pigment Green 7 /Polychloro	1327-44-2	MINAE-MS-092
copper phthalocyanine Sorbitan monostearate / Sorbitan stearate	1328-53-6	MINAE-MS-093
Sorbitan oleate C ₂₄ H ₄₄ O ₆ Magnesium silicate,	1338-41-6	MINAE-MS-094
hydrate Silicic acid aluminum	1338-43-8	MINAE-MS-095
sodium salt Silicic acid Manganous	1343-90-4	MINAE-MS-096
oxide /Manganese oxide Iron oxide (FeO)	1344-00-9	MINAE-MS-097
	1343-98-2	MINAE-MS-098
	1344-43-0	MINAE-MS-099
	1345-25-1	MINAE-MS-100
Soapbark (Quillaja saponin) /ÿ-d- Glucopyranosiduronic acid, (3ÿ,4ÿ,16ÿ)-17-carboxy-16- hydroxy-23-oxo-28-norolean-12-en-3-yl	1393-03-9	MINAE-MS-101
Vitamin E	1406-18-4	MINAE-MS-102
Octadecanoic acid calcium salt /Calcium distearate D-	1592-23-0	MINAE-MS-103
Gluconic acid zinc complex/Bis(D-gluconato-O1,O2)zinc Glycine, N-	4468-02-4	MINAE-MS-104
methyl-N-(1-oxooctadecyl)-, sodium salt 9- Octadecenoic acid,	5136-55-0	MINAE-MS-105
12 -hydroxy-, monosodium salt, (9Z,12R4A)	5323-95-5	MINAE-MS-106
Calcium acetate, monohydrate	5743-26-0	MINAE-MS-107
Aluminum octanoate	6028-57-5	MINAE-MS-108

Chemical name	CAS1 number	Substance code
Citric acid tripotassium salt, monohydrate	6100-05-6	MINAE-MS-109
Calcium octanoate /Calcium di(octanoate)	6107-56-8	MINAE-MS-110
Citric acid trisodium salt, dihydrate /trisodium 2-hydroxypropane-1,2,3-tricarboxylate dihydrate	6132-04-3	MINAE-MS-111
Aluminum octanoate /Aluminium trioctanoate	6028-57-5	MINAE-MS-112
Ammonium nitrate	6484-52-2	MINAE-MS-113
Citric acid, trisodium salt, pentahydrate /Acid 1,2,3-propanetricarboxylic acid, 2-hydroxy-, sodium salt, hydrate (2:6:11)	6858-44-2	MINAE-MS-114
Iron (Fe)	7439-89-6	MINAE-MS-115
Potassium chloride	7447-40-7	MINAE-MS-116
Disodium phosphate	7558-79-4	MINAE-MS-117
Silicon dioxide (crystalline-free forms only)	7631-86-9	MINAE-MS-118
Sodium chloride	7647-14-5	MINAE-MS-119
Sodium bromide	7647-15-6	MINAE-MS-120
Phosphoric acid	7664-38-2	MINAE-MS-121
Sodium hypophosphite	7681-53-0	MINAE-MS-122
Citric acid calcium salt (2:3)	7693-13-2	MINAE-MS-123
Sulfur	7704-34-9	MINAE-MS-124
Ammonium phosphate (monobasic) /Ammonium dihydrogenorthophosphate	7722-76-1	MINAE-MS-125
Barium sulfate (1:1)	7727-43-7	MINAE-MS-126
Sulfuric acid disodium salt, decahydrate	7727-73-3	MINAE-MS-127
Toilet	7732-18-5	MINAE-MS-128
Sulfuric acid disodium salt /sodium sulphate	7757-82-6	MINAE-MS-129
Phosphoric acid magnesium salt (1:1)/Magnesium hydrogenorthophosphate	7757-86-0	MINAE-MS-130
Phosphoric acid magnesium salt (2:3)	7757-87-1	MINAE-MS-131
Phosphoric acid calcium salt (1:1)	7757-93-9	MINAE-MS-132
Potassium phosphate (dibasic) /Dipotassium hydrogenorthophosphate	7758-11-4	MINAE-MS-133
Sodium tripolyphosphate /Pentasodium triphosphate	7758-29-4	MINAE-MS-134
Tricalcium phosphate	7758-87-4	MINAE-MS-135
Sodium thiosulfate	7772-98-7	MINAE-MS-136
Sulfuric acid calcium salt (1:1) /Calcium sulfate	7778-18-9	MINAE-MS-137
Citric acid potassium salt	7778-49-6	MINAE-MS-138
Potassium phosphate, monobasic /Potassium dihydrogenorthophosphate	7778-77-0	MINAE-MS-139
Graphite	7782-42-5	MINAE-MS-140
Diammonium phosphate	7783-28-0	MINAE-MS-141
Ammonium alum /Aluminium ammonium bis (sulphate)	7784-25-0	MINAE-MS-142
Magnesium chloride	7786-30-3	MINAE-MS-143
Soybean oil	8001-22-7	MINAE-MS-144
Safflower oil	8001-23-8	MINAE-MS-145
Olive oil	8001-25-0	MINAE-MS-146

Chemical name	CAS1 number	Substance code
Cottonseed oil	8001-29-4	MINAE-MS-147
Corn oil	8001-30-7	MINAE-MS-148
Coconut oil	8001-31-8	MINAE-MS-149
Cod liver oil	8001-69-2	MINAE-MS-150
Castor oil hydrogenated	8001-78-3	MINAE-MS-151
Castor oil	8001-79-4	MINAE-MS-152
Peanut oil	8002-03-7	MINAE-MS-153
Sperm oil	8002-24-2	MINAE-MS-154
Cocoa / Cocoa butter	8002-31-1	MINAE-MS-155
Sulfated castor oil	8002-33-3	MINAE-MS-156
Lecithins	8002-43-5	MINAE-MS-157
Paraffin wax	8002-74-2	MINAE-MS-158
Palm oil	8002-75-3	MINAE-MS-159
Fatty alcohols	8005-44-5	MINAE-MS-160
Lanolin	8006-54-0	MINAE-MS-161
Wheat germ oil	8006-95-9	MINAE-MS-162
Almond oil	8007-69-0	MINAE-MS-163
Sesame seed oil	8008-74-0	MINAE-MS-164
Beeswax	8012-89-3	MINAE-MS-165
Invert sugar	8013-17-0	MINAE-MS-166
Carnauba wax	8015-86-9	MINAE-MS-167
Fish oil	8016-13-5	MINAE-MS-168
Hydrogenated soybean oil	8016-70-4	MINAE-MS-169
Charcoal, bone	8021-99-6	MINAE-MS-170
Honey	8028-66-8	MINAE-MS-171
Caramel	8028-89-5	MINAE-MS-172
Beer	8029-31-0	MINAE-MS-173
Corn syrup/Syrups, hydrolyzed starch	8029-43-4	MINAE-MS-174
Tallow, hydrogenated	8030-12-4	MINAE-MS-175
Lecithins, soy	8030-76-0	MINAE-MS-176
Cellulose, carboxymethyl ether	9000-11-7	MINAE-MS-177
Pectin	9000-69-5	MINAE-MS-178
Gelatin	9000-70-8	MINAE-MS-179
Caseins	9000-71-9	MINAE-MS-180
Polyethylene	9002-88-4	MINAE-MS-181
Acrylamide - acrylic acid resin /2-propenoic acid, polymer with 2-propenamide	9003-06-9	MINAE-MS-182
Polypropylene	9003-07-0	MINAE-MS-183
Ethene, methoxy-, homopolymer	9003-09-2	MINAE-MS-184
Acrylonitrile--butadiene copolymer/ 2-Propenenitrile, polymer with 1,3-butadiene	9003-18-3	MINAE-MS-185
Polyvinyl acetate /Acetic acid ethenyl ester, homopolymer	9003-20-7	MINAE-MS-186
Vinyl chloride - vinyl acetate copolymer	9003-22-9	MINAE-MS-187
Polyvinylpyrrolidone /2-Pyrrolidinone, 1-ethenyl-, homopolymer	9003-39-8	MINAE-MS-188

Chemical name	CAS1 number	Substance code
Polymerized butyl acrylate	9003-49-0	MINAE-MS-189
Butadiene-styrene copolymer	9003-55-8	MINAE-MS-190
Styrene-divinyl benzene copolymer resin matrix Cellulose	9003-70-7	MINAE-MS-191
carboxy methyl ether, sodium salt Cellulose Cellulose	9004-32-4	MINAE-MS-192
acetate	9004-34-6	MINAE-MS-193
Dextrins Cellulose 2-	9004-35-7	MINAE-MS-194
	9004-53-9	MINAE-MS-195
hydroxypropyl ether Cellulose 2-	9004-64-2	MINAE-MS-196
hydroxypropyl methyl ester Cellulose methyl	9004-65-3	MINAE-MS-197
ether Polyoxyethylene	9004-67-5	MINAE-MS-198
distearate /Poly(oxy-1,2-ethanediyl), a-(1-oxooctadecyl)-[?]-[(1-oxooctadecyl)oxy]-	9005-08-7	MINAE-MS-199
Propylene glycol alginate /Alginic acid, ester with 1,2-propanediol	9005-37-2	MINAE-MS-200
Sodium alginate	9005-38-3	MINAE-MS-201
Caseins, ammonium complexes /casein, ammonium salt	9005-42-9	MINAE-MS-202
Caseins, sodium complexes	9005-46-3	MINAE-MS-203
Polyoxyethylene sorbitan monolaurate /Sorbitan monolaurate, ethoxylated	9005-64-5	MINAE-MS-204
Polyoxyethylene sorbitan monooleate /Sorbitan monooleate, ethoxylated	9005-65-6	MINAE-MS-205
Polyoxyethylene sorbitan monopalmitate / Polysorbate 40	9005-66-7	MINAE-MS-206
Polyoxyethylene sorbitan monostearate	9005-67-8	MINAE-MS-207
Polyoxyethylene sorbitan tristearate /Sorbitan, trioctadecanoate, poly(oxy-1,2-ethanediyl) derivs Albumin	9005-71-4	MINAE-MS-208
Egg white 1,2,3-	9006-50-2	MINAE-MS-209
Propanetriol, homopolymer, octadecanoate /polyglyceryl-10 distearate Polymethyl	9009-32-9	MINAE-MS-210
methacrylate /2-Propenoic acid, 2-methyl-, methyl ester, homopolymer	9011-14-7	MINAE-MS-211
Butanediol, copolymer with 4,4'-diphenylmethane 1,4-diisocyanate and polytetramethylene glycol/ Polyurethane Resin	9018-04-6	MINAE-MS-212
2- Propenoic acid, polymer with sodium 2-propenoate /sodium polyacrylate	9033-79-8	MINAE-MS-213
Maltodextrin	9050-36-6	MINAE-MS-214
Starch, carboxymethyl ether sodium salt /Sodium Starch Glycolate alpha-	9063-38-1	MINAE-MS-215
Cyclodextrin/Cyclohexapentylose Calcium sulfate,	10016-20-3	MINAE-MS-216
hemihydrate /Sulfuric acid, calcium salt, hydrate (2:2:1)	10034-76-1	MINAE-MS-217
Magnesium sulfate heptahydrate	10034-99-8	MINAE-MS-218
Calcium sulfate, dihydrate	10101-41-4	MINAE-MS-219

Chemical name	CAS1 number	Substance code
Sodium thiosulfate, pentahydrate	10102-17-7	MINAE-MS-220
Sodium hexametaphosphate	10124-56-8	MINAE-MS-221
Silica, hydrate	10279-57-9	MINAE-MS-222
Octadecanoic acid ester with 1,2,3-propanetriol Iron	11099-07-3	MINAE-MS-223
magnesium oxide (Fe ₂ MgO ₄)/Diiron magnesium tetraoxide Magnesium	12068-86-9	MINAE-MS-224
oxide silicate (Mg ₃ O(Si ₂ O ₅) ₂), monohydrate Iron oxide (Fe ₂ O ₃)	12207-97-5	MINAE-MS-225
hydrate 9- Octadecanoic acid	12259-21-1	MINAE-MS-226
monoester with oxybis (propanediol) /Stearic acid, monoester with oxybis(propanediol)	12694-22-3	MINAE-MS-227
Phosphoric acid magnesium salt (2:1) /Magnesium bis(dihydrogenorthophosphate)	13092-66-5	MINAE-MS-228
Gypsum	13397-24-5	MINAE-MS-229
Carbonic acid calcium salt (calcite)	13397-26-7	MINAE-MS-230
Tetradecanoic acid potassium salt/Potassium myristate Titanium	13429-27-1	MINAE-MS-231
dioxide Silicic acid	13463-67-7	MINAE-MS-232
(H ₂ SiO ₃) magnesium salt (1:1) /Magnesium silicate	13776-74-4	MINAE-MS-233
Ethylenediaminetetraacetic acid (EDTA) disodium iron(II) sa / Disodium [[N,N'-ethylenebis[N- (carboxymethyl)glycinate]](4-)- N,N',O,O',ON,ON']ferrate(2-)	14729-89-6	MINAE-MS-234
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	MINAE-MS-235
Sodium D-gluconate C ₆ H ₁₂ O ₇ .xNa	14906-97-9	MINAE-MS-236
Potassium magnesium sulfate (Mg ₂ K ₂ (SO ₄) ₃) / Langbeinite (Mg ₂ K ₂ (SO ₄) ₃)	14977-37-8	MINAE-MS-237
Magnesium silicon oxide (Mg ₂ Si ₃ O ₈) /Dimagnesium trisilicon octaoxide	14987-04-3	MINAE-MS-238
Ethylenediaminetetraacetic acid (EDTA) disodium mangane / Disodium [[N,N'-ethylenebis[N- (carboxymethyl)glycinate]](4-)- N,N',O,O',ON,ON']manganate(2-)	15375-84-5	MINAE-MS-239
Tridymite (SiO ₂) /crystalline silica: quartz (SiO ₂); [1] tridymite; [2] cristobalite; [3]	15468-32-3	MINAE-MS-240
Silicic acid (H ₆ Si ₂ O ₇), hexasodium salt /Hexasodium diorthosilicate	15593-82-5	MINAE-MS-241
Calcium zinc phosphate (CaZn ₂ (PO ₄) ₂) /Phosphoric acid, calcium zinc salt (2:1:2)	15974-07-9	MINAE-MS-242
Dolomite (CaMg(CO ₃) ₂)	16389-88-1	MINAE-MS-243
Propanetricarboxylic acid, 2-hydroxy-, iron (3+) salt (1:1), Citric acid	17217-76-4	MINAE-MS-244
monosodium salt Iron hydroxide	18996-35-5	MINAE-MS-245
oxide (Fe(OH)O)	20344-49-4	MINAE-MS-246

Chemical name	CAS1 number	Substance code
Diocetyl* sodium sulfosuccinate (* octyl is 1-methylheptyl)/Sodium 1,4-bis(1-methylheptyl) 2-sulphonatosuccinate	20727-33-7	MINAE-MS-247
Aluminum hydroxide	21645-51-2	MINAE-MS-248
Ethylene polymer with vinyl acetate /Acetic acid ethenyl ester, polymer with ethene Polyethylene	24937-78-8	MINAE-MS-249
terphthalate - polyethylene isophthalate film Acrylic acid methyl ester,	24938-04-3	MINAE-MS-250
polymer with acrylonitrile /2-Propenoic acid, methyl ester, polymer with 2-propenenitrile	24968-79-4	MINAE-MS-251
Poly(oxy-1,2-ethanedioxydicarbonyl-1,4-phenylenecarbonyl	25038-59-9	MINAE-MS-252
Vinyl acetate polymer with n-butyl acrylate	25067-01-0	MINAE-MS-253
Sodium acrylate, polymer with acrylamide	25085-02-3	MINAE-MS-254
Styrene acrylic acid copolymer	25085-34-1	MINAE-MS-255
Vinylpyrrolidinone-styrene polymer	25086-29-7	MINAE-MS-256
Maleic acid monobutyl ester-vinyl methyl ether copolymer /2-Butenedioic acid (2Z)-, 1-butyl ester, polymer with methoxyethene	25119-68-0	MINAE-MS-257
Acrylic acid copolymer with butyl acrylate /2-propenoic acid, polymer with butyl 2-propenoate	25119-83-9	MINAE-MS-258
Acrylic acid polymer with ethyl acrylate and methylmethacrylate	25135-39-1	MINAE-MS-259
Methyl vinyl ether-maleic acid copolymer 1-	25153-40-6	MINAE-MS-260
Hexene polymer with ethene	25213-02-9	MINAE-MS-261
Polyoxypropylene monostearyl ether	25231-21-4	MINAE-MS-262
Polyethylene glycol	25322-68-3	MINAE-MS-263
Polypropylene glycol	25322-69-4	MINAE-MS-264
9- Octadecanoic acid (9Z)-,monoester with 1,2,3 propanetriol	25496-72-4	MINAE-MS-265
2- Propenoic acid homopolymer, potassium salt	25608-12-2	MINAE-MS-266
9- Octadecenoic acid (9Z)-, diester with 1,2,3-propanetriol	25637-84-7	MINAE-MS-267
FD&C Red No. 40 /Disodium 6-hydroxy-5-[(2-methoxy-4-sulphonato-m-tolyl)azo]naphthalene-2-sulphonate	25956-17-6	MINAE-MS-268
Acrylic acid, polymer with acrylamide, sodium salt /2-Propenoic acid, polymer with 2-propenamide, sodium salt	25987-30-8	MINAE-MS-269
Sorbitan monohexadecanoate	26266-57-9	MINAE-MS-270
Acetic acid ethenyl ester, polymer with carbon monoxide and ethene Decanoic acid	26337-35-9	MINAE-MS-271
monoester with 1,2,3-propanetriol Octanoic acid monoester	26402-22-2	MINAE-MS-272
with 1,2,3-propanetriol Plaster of Paris Ca.H2O4S.1/2H2O	26402-26-6	MINAE-MS-273
	26499-65-0	MINAE-MS-274

Chemical name	CAS1 number	Substance code
Polyoxyethylene monoeicosyl ether /Eicosan-1-ol, ethoxylated	26636-39-5	MINAE-MS-275
Hexadecanoic acid monoester with 1,2,3-propanetriol /Glycerol palmitate D-glucitol monostearate C24H48O7	26657-96-5	MINAE-MS-276
Tetradecanoic acid monoester with 1,2,3-propanetriol (9CI) /Glycerol monomyristate	26836-47-5	MINAE-MS-277
Dodecanoic acid monoester with 1,2,3-propanetriol (9CI)/Lauric acid monoester with glycerol	27214-38-6	MINAE-MS-278
Dodecanoic acid monoester with 1,2,3-propanetriol (9CI)/Lauric acid monoester with glycerol	27215-38-9	MINAE-MS-279
Dodecanoic acid diester with 1,2,3-propanetriol 2-	27638-00-2	MINAE-MS-280
Pyrrolidinone, 1-ethenyl-, polymer with 1 - eicosene	28211-18-9	MINAE-MS-281
Cetyl octanoate (alpha- /Hexadecyl octanoate Propenoic acid, butyl ester, polymer with ethenylbenzene 2- and 2-ethylhexyl 2-propenoate Polypropylene glycol	29710-31-4	MINAE-MS-282
monooleate /PPG-26 Oleate Octanoic acid, diester with 1,2,3-propanetriol Oxirane, methyl -, polymer with oxirane,	30795-23-4	MINAE-MS-283
acetate Octyl glucoside Acrylic acid-alpha-methylstyrene-styrene copolymer	31394-71-5	MINAE-MS-284
Polyurethane Tetradecanoic acid, diester with 1,2,3-propanetriol	36354-80-0	MINAE-MS-285
Decanoic acid,	39362-51-1	MINAE-MS-286
diester with 1,2,3-propanetriol D- Glucoside, octyl	41444-50-2	MINAE-MS-287
Polyoxyethylene sorbitol hexaoleate N-Decyl glucoside	52831-04-6	MINAE-MS-288
Polyethylene glycol	53504-41-9	MINAE-MS-289
nonylphenyl ether phosphate	53563-63-6	MINAE-MS-290
	53988-07-1	MINAE-MS-291
ethanolamine salt	54549-23-4	MINAE-MS-292
	57171-56-9	MINAE-MS-293
	58846-77-8	MINAE-MS-294
	59139-23-0	MINAE-MS-295
Oxirane methyl-, polymer with oxirane, tridecyl ether Methyl esters	61725-89-1	MINAE-MS-296
of cottonseed oil /Fatty acids, cottonseed-oil, methyl esters Glycerides: tallow sesqui-,	61788-60-1	MINAE-MS-297
hydrogenated Tallow Cork Lard Fatty acids: tallow	61789-14-8	MINAE-MS-298
	61789-97-7	MINAE-MS-299
	61789-98-8	MINAE-MS-300
	61789-99-9	MINAE-MS-301
hydrogenated Castor oil ethoxylated	61790-38-3	MINAE-MS-302
Soybean oil ethoxylated N,	61791-12-6	MINAE-MS-303
N- Bis(2-hydroxyethyl)	61791-23-9	MINAE-MS-304
(coconut oil alkyl)amine /Ethanol, 2,2'-iminobis-, N-coco alkyl derivatives.	61791-31-9	MINAE-MS-305
Polyoxyethylene sorbitol pentaoleate	61824-34-8	MINAE-MS-306
Methyl vinyl ether-maleic acid copolymer calcium sodium salt /2-Butenedioic acid-(2Z)-, polymer with methoxyethene, calcium sodium salt	62386-95-2	MINAE-MS-307

Chemical name	CAS1 number	Substance code
Propenoic acid, 2-methyl-, dodecyl ester, polymer with eicosyl 2-methyl-2-propenoate, hexadecyl 2-methyl-2-propenoate, octadecyl 2-methyl-2-propenoate, pentadecyl 2-methyl-2-propenoate, tetradecyl 2-methyl-2-propenoate	63150-03-8	MINAE-MS-308
Polyamide resins	63428-83-1	MINAE-MS-309
Polyglycerol diisostearate /1,2,3-Propanetriol, homopolymer, diisooctadecanoate	63705-03-3	MINAE-MS-310
Butyl acrylate-ethyl acrylate-methacrylic acid-methyl methacrylate-styrene copolymer /2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, ethenylbenzene, ethyl 2-propenoate and methyl 2-methyl-2-propenoate	63744-68-3	MINAE-MS-311
Starch acetate adipate D-	63798-35-6	MINAE-MS-312
Glucose, 4-O-.beta.-D-galactopyranosyl-, monohydrate Chlorinated	64044-51-5	MINAE-MS-313
polyethylene /Ethene, homopolymer, chlorinated Cellulose pulp Starch,	64754-90-1	MINAE-MS-314
acid-hydrolyzed	65996-61-4	MINAE-MS-315
Linseed oil, polymd., oxidized	65996-63-6	MINAE-MS-316
Soybean oil, polymer with maleic	66071-03-2	MINAE-MS-317
anhydride Corn steep liquor Fatty acids: C16-18 and	66071-16-7	MINAE-MS-318
C18-unsatd Soap:	66071-94-1	MINAE-MS-319
Fatty acids C8-18 and C18-unsatd., sodium	67701-08-0	MINAE-MS-320
salts)	67701-10-4	MINAE-MS-321
Glycerides: C16-18 and C18-unsaturated.	67701-30-8	MINAE-MS-322
Linseed oil polymd.	67746-08-1	MINAE-MS-323
Fatty acids: tall-oil, polymer with ethylene glycol, pentaerythritol, and phthalic anhydride	67761-98-2	MINAE-MS-324
Fatty acids: 16-18 & C18-unsatd. Methyl esters	67762-38-3	MINAE-MS-325
Dimethyl silicone polymer with silica /Silicones and Siloxanes, dimethyl reaction products with silica	67762-90-7	MINAE-MS-326
Polyethylene glycol nonylphenyl ether phosphate / Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy-, phosphate, magnesium salt magnesium salt	67922-57-0	MINAE-MS-327
Glycerides: C16-22	68002-70-0	MINAE-MS-328
Siloxanes and silicones, di-Me, Me hydrogen, reaction products with polyethylene glycol monoacetate	68037-62-7	MINAE-MS-329
Fatty acids: tall-oil, polymers with pentaerythritol, phthalicanhydride and rosin Humic	68038-31-3	MINAE-MS-330
acid, sodium salt Meat meal	68131-04-4	MINAE-MS-331
Corn syrup	68131-12-4	MINAE-MS-332
solids/Syrups, corn, dehydrated	68131-37-3	MINAE-MS-333

Chemical name	CAS1 number	Substance code
Fatty acids: coco, esters with sorbitan, ethoxylated- /Sorbitan monococoate ethoxylated Calcium	68154-33-6	MINAE-MS-334
salts of tall-oil fatty acids /Tall oil, calcium salt Castor oil oxidized Oils	68187-71-3	MINAE-MS-335
menhaden oxidized	68187-84-8	MINAE-MS-336
Soybean meal Glycerides:	68201-51-4	MINAE-MS-337
tallow mono-, di-	68308-36-1	MINAE-MS-338
and tri-, hydrogenated Soybean oil, polymer with isophthalic acid, linseed oil and trimethylolpropane Hydrogenated cottonseed oil Bone meal	68308-54-3	MINAE-MS-339
Cottonseed meal Glycerides:	68309-49-9	MINAE-MS-340
C16-18 and	68334-00-9	MINAE-MS-341
C18-unsaturated,	68409-75-6	MINAE-MS-342
mono- and di-Siloxanes and Silicones, di-Me, 3-hydroxypropyl	68424-10-2	MINAE-MS-343
Me, ethers with polypropylene glycol mono-Bu ether Oxidized polyethylene /Ethene, homopolymer, oxidized Cellulose,	68424-61-3	MINAE-MS-344
regenerated Cane syrup /Molasses Soy flour Humic acid potassium	68440-66-4	MINAE-MS-345
salt Milk, hydrolyzed /Milk,	68441-17-8	MINAE-MS-346
skim, hydrolyzed	68442-85-3	MINAE-MS-347
	68476-78-8	MINAE-MS-348
	68513-95-1	MINAE-MS-349
Hydrogenated palm oils Corn	68514-28-3	MINAE-MS-350
flour Alkenes C>10 .alpha.-, polymd.	68514-61-4	MINAE-MS-351
	68514-74-9	MINAE-MS-352
	68525-86-0	MINAE-MS-353
	68527-08-2	MINAE-MS-354
Fatty acids, coco, esters with polyethylene glycol ether with glycerol (3:1)	68553-02-6	MINAE-MS-355
Rice bran oil	68553-81-1	MINAE-MS-356
Siloxanes and silicones, di-Me, 3-hydroxypropyl Me, ethers with polyethylene glycol mono-Me ether Yeast /	68554-64-3	MINAE-MS-357
Saccharomyces cerevisiae (yeast)	68876-77-7	MINAE-MS-358
Silane, dichlorodimethyl-, reaction products with silica	68611-44-9	MINAE-MS-359
Silamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica Coffee grounds /	68909-20-6	MINAE-MS-360
Coffee, bean, roasted, ext.	68916-18-7	MINAE-MS-361
Oils, wheat	68917-73-7	MINAE-MS-362
Sunflower-oil fatty acids, Methyl ester Sunflower seeds Zeolites,	68919-54-0	MINAE-MS-363
	68937-99-5	MINAE-MS-364
NaA Paprika	68989-22-0	MINAE-MS-365
Potassium	68991-42-4	MINAE-MS-366
salts of fatty acids (C12-C20)	69669-25-6	MINAE-MS-367
Clay/Bentonite, acid-leached	70131-50-9	MINAE-MS-368

Chemical name	CAS1 number	Substance code
Gellan gum (tolerance pending approval)	71010-52-1	MINAE-MS-369
9- Octadecenoic acid, monoester with tetraglycerol	71012-10-7	MINAE-MS-370
Poly(oxy-1,2-ethanediyl),.alpha.- (butoxyhydroxyphosphinyl)-.omega.-hydroxy-,C13- 15-alkyl ethers, sodium salts	73050-07-4	MINAE-MS-371
Ethyl diaminetetraacetic acid (EDTA) disodium zinc salt, dih /Disodium [[N,N'-ethylenediylbis[N- (carboxylatemethyl)glycinate]](4-)- N,N',O,O',ON,ON']zinc(2-)	73513-47-0	MINAE-MS-372
Ethyl diaminetetraacetic acid (EDTA) disodium copper (II)	73637-19-1	MINAE-MS-373
Ethyl diaminetetraacetic acid (EDTA) disodium manganese /Disodium [[N,N'-ethylenebis[N- (carboxymethyl)glycinate]](4-)- N,N',O,O',ON,ON']manganate(2-)	73637-20-4	MINAE-MS-374
Rape oil Methyl ester	73891-99-3	MINAE-MS-375
Poly[oxy(methyl-1,2-ethanediyl)],.alpha.-(1- oxopropyl)-.omega.-(tetradecyloxy)-	74775-06-7	MINAE-MS-376
Croscarmellose sodium	74811-65-7	MINAE-MS-377
1-,monosodium salt, polymer with 2-propenoic acid Ascophyllum	84681-71-0	MINAE-MS-378
nodosum, ext Glycerides: C10-18	84775-78-0	MINAE-MS-379
Acetylated lanolin	85665-33-4	MINAE-MS-380
alcohol Fish meal Licorice	91994-94-4	MINAE-MS-381
extract	97675-81-5	MINAE-MS-382
(licorice and licorice derivatives)	97676-23-8	MINAE-MS-383
Cheese	97765-70-3	MINAE-MS-384
Glycerides: palm-oil, reaction products with sucrose Glycerides:	100403-39-2	MINAE-MS-385
tallow, reaction products with sucrose Glycerides: vegetable-	100403-40-5	MINAE-MS-386
oil, reaction products with sucrose	100403-41-6	MINAE-MS-387
Triethanolamine, compd. with poly(oxyethylene) tristyrylphenyl ether phosphate /Ethanol, 2,2',2"- nitritoltris-, compd. with ÿ-[2,4,6-tris(1- phenylethyl)phenyl]-ÿ-hydroxypoly(oxy-1,2- ethanediyl) phosphate	105362-40-1	MINAE-MS-388
Silica gel precipitated, crystalline-free	112926-00-8	MINAE-MS-389
Methyl methacrylate-methacrylic acid- monomethoxypolyethylene glycol methacrylate copolymer /2-Propenoic acid, 2-methyl-, polymer with ÿ-methyl-ÿ-hydroxypoly(oxy-1,2-ethanediyl) and methyl 2- methyl-2-propenoate, graft	119724-54-8	MINAE-MS-390
Canola oil	120962-03-0	MINAE-MS-391
Castor oil hydrogenated, polymer with adipic acid, ethylenediamine and 12-hydroxyoctadecanoic acid Hexanedioic	125303-89-1	MINAE-MS-392
acid, polymer with 2,2-dimethyl-hydroxy-2- (hydroxymethyl)-2-methylpropanoic acid	125826-44-0	MINAE-MS-393

Chemical name	CAS1 number	Substance code
and 1,1'-methylenebis[4-isocyanatocyclohexane], compd. with N,N-diethylethanamine		
1-alpha- Cyclodextrin, 2-hydroxypropyl ethers Oils:	128446-33-3	MINAE-MS-394
Macadamia Acrylic	128497-20-1	MINAE-MS-395
acid - divinyl benzene copolymer Wheat flour	130353-60-5	MINAE-MS-396
Perlite Oat	130498-22-5	MINAE-MS-397
protein	130885-09-5	MINAE-MS-398
Diethyl-1-(2,4-	134134-87-5	MINAE-MS-399
dichlorophenyl)-5-methyl-2-pyrazolin-3,5-dicarboxylate /(RS)-1-(2,4-dichlorophenyl)-5-methyl-2-pyrazoline-3,5-dicarboxylic acid	135590-91-9	MINAE-MS-400
Polyoxyethylene tristyrylphenol phosphate, potassium salt	163436-84-8	MINAE-MS-401
Poly[oxy(methyl-1,2-ethanediyl)],.alpha.-[2-[bis(2-hydroxyethyl)amino]propyl]-.omega.-hydroxy-, ether with.alpha.-hydro-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (1:2), mono-C12-16-alkyl ethers	176022-82-5	MINAE-MS-402
Protein hydrolysates from animal	100085-61-8	MINAE-MS-403

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DEPARTMENT OF AGROCHEMICALS AND EQUIPMENT

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