



LCY Chemical Corp.

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Regulatory Affairs Product Stewardship Information Data Sheet (RAPIDS)

Products: Globalene

PT181	PD402	PD402R	PC366-3	PC366-3F	PC366-4
PC366-5	PC366-5F	6331-11	PT331M	6331	6331F
6231-20	6231F	PT231	PC932	HP600S	

Supplier information

These products are manufactured by Da-She site of LCY Chemical Corp.

REACH (EC 1907/2006) compliance

REACH (EC 1907/2006) is a European regulation establishing the safe use of chemical substances. It requires the **Registration, Evaluation, Authorization and restriction of Chemical substances**. We confirm that all substances of these products are compliant with the pre-registration or registration required or exempted under REACH, and that we have the actions to proceed with the registration of these substances, or to procure substances only from suppliers aware of their REACH requirements.

If you export our products into the EU, you are considered as a downstream user (DU) and have no registration obligations for our products. However, you should provide us the information of your product uses and yearly Tonnage importing into EU. Those will be included in the total volumes that we must provide to the OR (Only Representative of LCY or monomer supplier for registration to REACH) to fulfill our registration record-keeping requirements. And you may need our pre-registration or registration numbers of certain monomers in accordance with EC 1907/2006, please contact your LCY Sales Representative for more details.

These products do not intentionally contain any substance specified in **REACH Annex XVII (amendment regulation NO 126/2013/EC)**, **Annex XIV** (Authorization list updated on April 19, 2013) or **Candidate list** of Substance of Very High Concern (144 SVHCs under REACH Regulation 9th updated on June 20, 2013) above the threshold limits of 0.1%(w/w). The current list of all SVHCs can be found at the following link to the ECHA website: <http://echa.europa.eu/web/guest/candidate-list-table>

Chemical Inventories

All ingredients in these products are in compliance with the following chemical inventories:

United States: Toxics Substances Control Act Inventory (TSCA)

Canada: Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL)

Europe: EINECS/ELINCS or replaced by REACH

Australia: Australian Inventory of Chemical Substances (AICS)

Korea: Korean Existing Chemicals List (KECL)

Japan: Japanese Inventory of Existing and New Chemical Substances (ENCS)

The Philippines: Philippines Inventory of Chemicals and Chemical Substances (PICCS)

China: Inventory of Existing Chemical Substances Manufactured or Imported in China (IECSC)

Taiwan: Existing Chemical Substances Inventory (ECSI)

(EU) NO. 10/2011, Food Contact compliance

These products comply with the relevant requirements of regulation 1935/2004/EC (Framework Regulation) and 2023/2006/EC (GMP, Good Manufacturing Practice) applicable to intermediate materials (e.g. plastic powders, plastic granules or plastic flakes).

The monomers and additives used to produce these products are positive listed in the Union List of Authorized Substances of Regulation 10/2011/EC (Table 1 of Annex I) or applicable to **Article 6** (Derogations for substances not included in the Union list), and comply with its amendment as follows.

- Regulation (EU) No 321/2011 of 1 April 2011 amending Regulation 10/2011/EC as regards the restriction of use of Bisphenol A in plastic infant feeding bottles .
- Regulation (EU) No 1282/2011 of 28 November 2011 and No 1183/2012 of 30 November 2012 amending and correcting Regulation 10/2011/EC on plastic materials and articles intended to come into contact with food.

Dual use additives subject to restrictions in food as defined in (EU) No 10/2011 are not intentionally used in the production and formulation of these products.

There is no additive that has a SML specified in Union list. In case customer needs the identity of the components, a secrecy agreement is required through sale channel to be established with LCY Chemical Corp.

There are 2 chemicals (DnBP & DEHP) which could be an impurity of technical support agent used in process aid with specific migration limit (SML) established in Regulation (EU) NO 10/2011 as tabulated below.

FCM Substance NO.	Ref. No.	CAS NO.	Substance name	SML (mg/kg)	Restriction and Specification
283	74640	117-81-7	Phthalic acid, bis(2-ethylhexyl)ester	1.5	(b) technical support agent in polyolefins in concentrations up to 0.1% in the final product
157	74880	84-74-2	Phthalic acid, dibutyl ester	0.3	(b)technical support agent in polyolefins in concentrations up to 0.05% in the final product

The overall migration limit (OML:10mg/dm² maximum under 10/2011/EC) and SML should be determined or carried out on the finished articles under actual foodstuff or the appropriate simulants at the real time/temperature conditions of use, which are the responsibility of manufacturer of finished plastic materials and articles intended for contact with food.

US Food and Drug Administration (FDA), Food Contact compliance

The base resin in these products meet the FDA requirements contained in the Code of Federal Regulations in 21 CFR 177.1520(a)(1)(i) and (c)1.1a. According to our information, all other ingredients used in these products meet the requirements of their respective FDA regulations and 21 CFR 177.1520(b). These products meet the FDA criteria in 21 CFR 177.1520 for used in contact with

food types as listed in **Table 1** of 21 CFR 176.170(c), and under condition of use A through H listed in **Table 2** of 176.170(c).

GB9685-2008, China Food Contact Regulations compliance (The Hygienic Standards for Uses of Additives in Food Containers and Packaging Materials)

Additives used in these products are positive listed in Annex A (permissible additives in food container & packaging materials and requirements for uses) of GB9685-2008.

US Pharmacopeia (USP)

These products are not certified for compliance to requirements of USP.

European Pharmacopeia (EP)

These products are not certified for compliance to requirements of EP.

Drug Master File (DMF)

Information on these products is not listed in a DMF.

ELV (End of Life Vehicles) Directive 2000/53/EC and its following amendments

There is no heavy metals (Cadmium, Lead, Chromium (Hexavalent, & Mercury) or its compounds incorporated into the production and formulation of these products, and reasonably results in compliance to threshold limits given in Annex II (Note) of the Directive 2005/673/EC (amending Annex II of Directive 2000/53/EC), as tabulated.

Heavy metals	Threshold limits, ppm
Cadmium	100
Lead	1000
Chromium	1000
Mercury	1000

Coalition of Northeastern Governors (CONEG)

There is no heavy metals (Cadmium, Lead, Chromium (Hexavalent) & Mercury) or its compounds incorporated into the production and formulation of these products, and reasonably results in compliance to CONEG which regulates total incidental cadmium, lead, chromium(VI) and mercury less than 100 ppm.

Packaging and Packaging Waste - EU Directive 94/62/EC (as amended)

Cadmium, Lead, chromium (VI) and mercury are not used in the manufacture of or the formulation of these products, and meets the year 2001 requirements of less than 100 ppm for total incidental cadmium, lead, chromium (VI) and mercury. In addition, this product has the potential to be recycled according to these requirements.

Restriction of Hazardous Substances in Electric and Electronic Equipment (RoHS)-Directive 2002/95/EC or (RoHS2)-2011/65/EU

Cadmium, Lead, chromium (VI), mercury, PBBs and PBDEs are not used in the production of these products. The incidental concentrations do not exceed the limits established by 2011/65/EC or 2005/618/EC (the amendment of 2002/95/EC) as tabulated.

Substances	Threshold limits
Cadmium	100 ppm
Lead	1000 ppm
Mercury	1000 ppm

Hexavalent Chromium	1000 ppm
PBBs	1000 ppm
PBDEs	1000 ppm

Toys Safety Directive 2009/48/EC & CEN Standard EN71.3 compliance

These products do not contain restricted chemical substances and have no heavy metal element over its migration limit regulated by 2009/48/EC or EN71.3.

Element	Migration limits (soluble threshold), ppm				
	EN71-3 excluding modelling clay	ASTM F963	2009/48/EC dry, brittle, powder- like or pliable toy material	2009/48/EC liquid or sticky toy material	2009/48/EC scraped-off toy material
Aluminium	-	-	5625	1406	70000
Antimony	60	60	45	11.3	560
Arsenic	25	25	3.8	0.9	47
Barium	1000	1000	4500	1125	56000
Boron	-	-	1200	300	15000
Cadmium	75	75	1.9	0.5	23
Chromium (III)	60	60	37.5	9.4	460
Chromium (VI)			0.02	0.005	0.2
Cobalt			10.5	2.6	130
Copper	-	-	622.5	156	7700
Lead	90	90	13.5	3.4	160
Manganese	-	-	1200	300	15000
Mercury	60	60	7.5	1.9	94
Nickel	-	-	75	18.8	930
Selenium	500	500	37.5	9.4	460
Strontium	-	-	4500	1125	56000
Tin	-	-	15000	3750	180000
Organic tin	-	-	0.9	0.2	12
Zinc	-	-	3750	938	46000
* Total Lead	-	600	-	-	-

Compliance to EU Cosmetics Regulation NO 1223/2009/EC and amendment of 76/768/EEC

Substances specified as carcinogenic, mutagenic or toxic for reproduction (CMR) with category of 1A, 1B or 2 under Regulation No 1272/2008/EC, and prohibited & restricted substance listed in Annex II & III of 1223/2009/EC, as well as nanomaterials are not used in the production and formulation of these products. These products can meet the requirements for plastics used in package of cosmetics. The manufacturer or supplier of cosmetics should perform a safety assessment associated with finished cosmetics products prior to being placed on the EU market.

California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

These products do not contain chemical substances which are known to the State of California to cause cancer and/or reproductive toxicity under California Proposition 65. Basically, it is required for the California business owner to develop his or her own regulatory compliance plan in accordance with Proposition 65.

Compliance to Washington Children's Safe Product Act (WAC 173-334)

The Chemicals of High Concern to Children (CHCCs) and Tris [TDCPP, Tris(1, 3-dichloro-2-propyl) phosphate with CAS NO 13674-87-8 & TCEP, Tris(2-chloroethyl) phosphate with CAS NO 115-96-80] are not used in the designated formulation of these products. These products can comply with the threshold limit of chemical substances prohibited by Washington CSPA (Children's Safe Product Act).

Compliance to Consumer Product Safety Improvement Act (CPSIA) or (H.R.4040)

There is no Lead and Phthalates intentionally used in the production and formulation of these products, and reasonably results in compliance to total lead and phthalates contents below limits strictly regulated in CPSIA or H.R.4040.

Substances	Threshold limits
Lead	90 ppm
Phthalates(DEHP+DBP+BBP)	1000 ppm
Phthalates(DINP+DIDP+DNOP)	1000 ppm

Non use of Tallow or Animal Derived Substances; TSE(Transmissible Spongiform Encephalopathy) or BSE(Bovine Spongiform Encephalopathy) free

Tallow or animal derived substances/additives are not used in the formulation and production of these products, and we are reasonably confident these products have no significant infectious agents for a disease of TSE or BSE.

Compliance to the International Electrochemical Commission's (IEC 61249-2-21:2003) definition of Halogen-Free. (Cl<900 ppm; Br<900ppm; Cl+Br<1500ppm)

The elements or compounds of Fluorine, Bromine, Iodine and Astatine are not intentionally used in the designated formulation of these products, however catalyst composed of Chlorinated compounds is used in polymerization of these products and may have a residue which is Not Detectable (ND) under historical testing with MDL (Method Detection Limit) of 50ppm, and meet the requirements for (IEC 61249-2-21:2003) definition of Halogen-Free.

Compliance to "Conflict Minerals free"

The listed Globalene product do not contain metals or its compounds of gold(Au), tantalum(Ta), tungsten(W), cobalt(Co) and tin(Sn) in the designated formulation and can reasonably comply with the requirements of "*Section 1502 of the Dodd-Frank Wall Street Reform and Consumer Protection Act-Conflict Minerals*" which regulates no metal derived from or sourced from Democratic Republic of Congo(DRC) region including South Sudan, Uganda, Rwanda, Burundi, Tanzania, Zambia, Angola, Republic of Congo, and the Central Republic of Africa, or illegally taxed on trade routes, either of which are controlled by non-governmental military groups, or unlawful military factions.

Non-use of Environment and Health-related Substances to be controlled

Tabulated chemical substances are not intentionally incorporated into the designed formulation of these products, except minor diisobutyl phthalate (DIBP, CAS# 84-69-5) acting as technical support agent and existing in high mileage catalyst necessary for starting polymerization of these products. The extractable residual DIBP (under 0.5 ppm Method Detection Limit) or impurity DnBP & DEHP (under 0.05 ppm Method Detection Limit) is not detected in accordance with numbers of historical testing results. These products can reasonably comply with threshold limits associated with the following regulations or standards.

- **SONY technical standards SS-00259 12th Edition**
- **Joint Industry Guide (JIG-101 Ed 1.1)**
- **Joint Industry Guide (JIG-201 Ed 4.1)**
- **Washington State - List of Chemicals of High Concern to Children (66 CHCCs)**
- **Maine State - List of Chemicals of High Concern (49 CHCs)**

NO	Substances (Chinese)	Substances (English)	CAS NO
1	鎘 及其化合物	Cadmium (Cd) and its compounds	7440-43-9
2	鉛及其化合物	Lead (Pb) and its compounds	7349-92-1
3	汞及其化合物	Mercury (Hg) and its compounds	7439-97-6
4	六價鉻及其化合物	Chromium (Hexavalent) and its compounds	18540-29-9
5	鎳及其化合物	Nickel (Ni) and its compounds	7440-02-0
6	銻及其化合物	Antimony (Sb) and its compounds	7440-36-0
7	鈷及其化合物	Cobalt (Co) and its compounds	7440-48-4
8	二氯化鈷	Cobalt Dichloride	7646-79-9
9	鉍及其化合物	Thallium (Th) and its compound	7440-28-0
10	鈹及其化合物	Beryllium(Be) and its compounds	7440-41-7
11	鈹青銅	Beryllium-copper alloy	11133-98-5
12	鉬及其化合物	Molybdenum(Mo) and its compounds	7439-98-7
13	錳及其化合物	Manganese (Mn) and its compounds	7439-36-5
14	鉍及其化合物	Bismuth(Bi) and its compounds,	7440-69-9
15	碲及其化合物	Tellurium (Te) and its compounds	13494-80-9
16	硒及其化合物	Selenium(Se) and its compounds	7782-49-2
17	銅及其化合物	Copper (Cu) and its compounds	-
18	砷及其化合物	Arsenic(As) and its compounds	7440-38-2
19	三氧化二砷	Diarsenic trioxide	1303-28-2
20	五氧化二砷	Diarsenic pentaoxide	1327-53-3
21	鋇及其化合物	Barium (Ba) and its compounds	7440-39-3
22	多氯聯苯(PCB)、聚氯聯苯	PCB; polychlorinated biphenyl	1336-36-3
23	多氯化萘(PCN),氯化萘	PCN; polychlorinated naphthalenes	70776-03-3
24	PCT,多氯三聯苯	PCT; polychlorinated terphenyls	61788-33-8 26140-60-3
25	三氯化萘	Trichloronaphthalene	1321-65-9
26	四氯化萘	Tetrachloronaphthalene	1335-88-2

27	五氯化萘	Pentachloronaphthalene	1321-64-8
28	八氯化萘	Octachloronaphthalene	2234-13-1
29	短鏈氯化石蠟(SCCP)	Short-chain Chlorinated paraffin C10-13, Cl \geq 48 wt% (SCCP)	10871-26-2 85535-84-8
30	中鏈氯化石蠟(MCCP)	Medium-chain Chlorinated paraffin C14-17 (MCCP)	85535-85-9
31	其他有機氯化物	Other chlorinated organic compounds	-
32	磷酸三(2-氯乙酯), TCEP	tris (2-chloroethyl) phosphate; Triethyl arsenate (TCEP)	115-96-8
33	多溴聯苯 (PBB)	Polybrominated Biphenyls (PBBs)	-
34	多溴聯苯醚	Polybromodiphenyl ether (PBDEs)	-
35	六溴環十二烷 (HBCDD)	Hexabromocyclododecane(HBCDD)	25637-99-4 3194-55-6
36	四溴雙酚-A(TBBP-A)	Tetrabromobisphenol-A (TBBP-A)	79-94-7
37	其他有機溴化物	Other Brominated organic compounds	-
38	溴化三丁基錫 (TBT)	Tributyl tin bromide (TBT)	1461-23-0
39	雙三丁基錫氧化物(TBTO)	Tributyl tin oxide bis(tributyl tin) oxid(TBTO)	56-35-9
40	三苯基錫(TPT)	Triphenyl tin (TPT)	668-34-8
41	二丁基錫化合物(DBT)	(DBT) Dibutyl Tin	-
42	二辛基錫化合物(DOT)	(DOT) Dioctyl Tin	-
43	石棉 (總稱)	Asbestos	1332-21-4
44	甲醛	Formaldehyde	50-00-0
45	聚氯乙烯 和 聚氯乙烯混合物	PVC and PVC blends	9002-86-2
46	氯乙烯	Vinyl chloride	75-01-4
47	鄰苯二甲酸酯	Phthalates	-
48	特定偶氮化合物(含偶氮染料和顏料)	Specific Azo compounds (including Azocolourants and azodyes which form certain aromatic amines)	-
49	對二氨基聯苯	Benzidine and its salts	92-87-5
50	2-萘胺	2-Naphthylamine	91-59-8
51	4-氯苯胺	p-Chloroaniline	106-47-8
52	3,3'-二甲基聯苯	3,3'-Dimethylbenzidine	119-93-7
53	4,4-亞甲雙(2-氯苯胺), 二鄰氯苯胺甲烷, (MOCA or MBOCA)	4,4 methylenebis(2-chloraniline), MBOCA	101-14-4
54	鄰甲苯胺	o-Toluidine	95-53-4
55	氫氟碳化合物	Hydrofluorocarbon(HFC)	-
56	全氟碳化合物	Perfluorocarbons(PFCs)	-
57	全氟辛烷磺酸(PFOS)	PFOS; Perfluorooctane sulfonates	1763-23-1 2795-39-3
58	全氟辛酸(PFOA)	Perfluorooctanoic acid (PFOA)	335-67-1
59	特定苯並三氮唑(UV328)	specific benzotriazole (UV328)	3846-71-7
60	苯並三氮唑	Benzotriazole(BTA)	95-14-7
61	臭氧層破壞物質	Ozone Depleting Substances (ODS)	-
62	富馬酸二甲酯(DMF)	Dimethyl fumarate (DMF)	624-49-7

63	硼酸,特定硼酸鈉	Boric acid & specific Sodiumborate,	10043-35-3 11113-50-1
64	六氯苯	Hexachlorobenzene	118-74-1
65	多環芳香碳氫化合物(PAHs)	Polycyclic Aromatic Hydrocarbons(PAHs)	50-32-8
66	特定芳香胺	Specific aromatic amines	-
67	2,4-二氨基甲苯	2,4-toluylenediamine;4-methyl-m-phenylenediamine	95-80-7
68	乙醛	Acetaldehyde	75-07-0
69	乙腈	Acetonitrile (ACN)	75-05-8
70	丙烯醯胺	Acrylamide	79-06-1
71	芳香胺	Aniline(one of aromatic amines)	62-53-3
72	雙酚 A (BPA)	Bisphenol A (BPA)	80-05-7
73	雙酚 S (BPS)	Bisphenol S (BPS)	80-09-1
74	丁基羥基茴香醚 (BHA)	Butylated hydroxyanisole (BHA)	25013-16-5
75	2,6-二叔丁基對甲酚 (BHT)	Butylated hydroxytoluene (BHT)	128-37-0
76	戴奧辛	Dioxins	290-67-5, 289-87-2
77	環氧氯丙烷	Epichlorohydrin	106-89-8
78	乙烯-醋酸乙烯共聚物	Ethylene Vinyl Acetate	24937-78-8
79	鹵素或鹵化物	Halogens(F, Cl, Br, I)	-
80	異氰酸酯	Isocyanates	-
81	亞硝酸鹽	Nitrite	14797-65-0
82	有機溶劑	Organic solvents	-
83	防腐劑 202	Preservatives 202 (Potassium sorbate)	24634-61-5
84	烷基酚聚氧乙烯醚 (APEO)	ALKYLPHENOL ETHOXYLATES(APEO)	9016-45-9 9063-89-2
85	壬基苯酚	Nonylphenol (NP)	25154-52-3
86	三(壬基苯基)亞磷酸酯	TNPP (Tris(Nonylphenyl) Phosphite)	26523-78-4
87	多氯酚化合物 (PCP 五氯酚,TeCP 四氯酚, TCP 三氯酚,DCP 二氯酚 & CP 單氯酚)	Chlorinated Phenols	-
88	二甲基甲醯胺	N,N-dimethylformide (DMFA)	68-12-2
89	1,4-丁二醇	1,4 Butanediol	110-63-4
90	二乙醇單乙醚	Ethylene glycol monoethyl ether	110-80-5
91	正己烷	n-Hexane	110-54-3
92	甲醯胺	formamide	75-12-7
93	4-(1,1,3,3-四甲基丁基)苯酚	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9
94	氘代雙(2-甲氧基乙基)醚	bis(2-methoxyethyl) ether	111-96-6
95	N', N'-二甲基乙醯胺(DMAC)	N,N-dimethylacetamide	127-19-5
96	甲苯	Toluene	108-88-3
97	二甲基亞硝酸胺	N-Nitrosodimethylamine	62-75-9
98	丁醇	n-Butanol	71-36-3

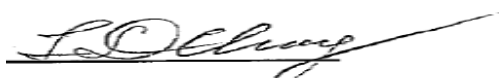
99	苯	Benzene	71-43-2
100	二硫化碳	Carbon disulfide	75-15-0
101	甲基乙基酮	Methyl ethyl ketone	78-93-3
102	鄰苯二甲酸酐	Phthalic anhydride	85-44-9
103	N-亞硝基二苯胺	N-Nitrosodiphenylamine	86-30-6
104	六氯丁二烯	Hexachlorobutadiene	87-68-3
105	對羥基苯甲酸丙酯	Propyl paraben	94-13-3
106	對羥基苯甲酸丁酯	Butyl paraben	94-26-8
107	對羥基苯甲酸甲酯	2-Aminotoluene	99-76-3
108	對羥基苯甲酸	Methyl paraben	99-96-7
109	乙基苯	Ethylbenzene	100-41-4
110	苯乙烯	Styrene	100-42-5
111	丙烯腈	Acrylonitrile	107-13-1
112	乙二醇	Ethylene glycol	107-21-1
113	苯酚	Phenol	108-95-2
114	乙二醇甲醚	2-Methoxyethanol	109-86-4
115	尼泊金乙酯（苯甲酸酯類）	Ethyl paraben	120-47-8
116	二氧六環	1,4-Dioxane	123-91-1
117	2,2,4,4-四羥基二苯甲酮	Benzophenone-2 (Bp-2); 2,2',4,4'-Tetrahydroxybenzophenone	131-55-5
118	1-甲氧代-4-(2-丙烯基)苯	Estragole	140-67-0
119	異辛酸	2-Ethylhexanoic Acid	149-57-5
120	八甲基環四矽氧烷	Octamethylcyclotetrasiloxane	556-67-2
121	五氯苯	Benzene, pentachloro	608-93-5
122	一號蘇丹紅	C.I. Solvent Yellow 14	842-07-9
123	N-甲基吡咯烷酮（NMP）	N-Methylpyrrolidone	872-50-4
124	4-正辛基苯酚	Phenol, 4-octyl-	1806-26-4
125	4-甲氧基肉桂酸－2－乙基己酯	2-Ethyl-hexyl-4-methoxycinnamate	5466-77-3
126	二甲基二硫代氨基甲酸鋅	zinc bis (N,N'-dimethyldithiocarbamate	137-30-4
127	對苯基苯酚	4-Hydroxybiphenyl	92-69-3
128	1,2-二溴乙烷	1,2-Dibromoethane	106-93-4
129	1,3-丁二烯	1,3-Butadiene	106-99-0
130	2,4-二羥二苯甲酮	2,4-Dihydroxybenzophenon	131-56-6
131	鄰苯二甲酸單丁酯	Mono-n-butylphthalate	131-70-4
132	甲基叔丁基醚	Methyl tert-butyl ether; MTBE	1634-04-4
133	甲苯胺紅	2-Naphthalenol, 1-[(4-methyl-2-nitrophenyl)azo]-	2425-85-6
134	結晶型二氧化矽	Quartz	14808-60-7
135	辛基酚	(1,1,3,3-tetramethylbutyl)-phenol	27193-28-8
136	對壬基苯酚	4-N-Nonylphenol	104-40-5
137	亞硝基二乙醇胺	Nitrosodiethanolamine	1116-54-7
138	環矽氧烷	Cyclic siloxanes, Cyclosiloxanes	-

139	鈦鈷綠	Nickel Titanium Oxide	-
140	放射性物質	Radioactive substance	-
141	農藥	Insecticide; pesticide	-
142	表面活性劑	Surfactants	-
143	致癌性染料	Dyes-Carcinogenic	-
144	過敏性分散劑	Disperse Dyes-Allergenic	-
145	鞣革用之礦物鹽類	Soluble Mineral Tanning Agent	-
146	亞硝酸胺	N-Nitrosamines	-
147	亞硝基物質	N-Nitrosatable	-
148	乙二醇二甲醚 (EGDME)	Ethylene glycol dimethyl ether	110-71-4
149	高氯酸鹽類	perchlorate	-

Note:

- (1) Ultimately customers must make their own independent determination that these products are suitable for the intended use, and their use of our product is safe, lawful (except as provided in the above information) and technically suitable in their intended applications.**
- (2) Because of possible amendment or changes in the laws and regulations, LCY Chemical Corp. recommends that customers get latest version RAPIDS for verification via sales channel or website linking to www.lcy.com.tw. This RAPIDS shall be effective for 1 year from its issued date unless it is modified before.**

Certified by:



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