

NOW IN STOCK

236ML INSTANT HAND SANITISER (GEL) PUMP TOP

AVSANSVS030

Kills more than 99.99% of most illness causing germs

75%
± 5% (v/v)
ALCOHOL+



- Instant hand sanitiser gel.
- Bacteriostatic.
- Antibacterial.
- Sterilization.
- Supplied as 36pc in a case.
- Certificates available on request.

✓ **Skin Sanitizer**

✓ **Hygiene Hand Sanitizer**

✓ **Surgical Hand Sanitizer**

Representative Strain	Min Effect Time				Killing Log Value	
	Hand sanitizing	Hand sanitizing	Skin Degerming	Disinfection of object surface	Carrier Method	Suspension Method
E Coli	≤1	≤3	-	≤3	≥3.00	≥5.00
Aureus	≤1	≤3	≤3	≤3	≥3.00	≥5.00
Pseudomonas Aeruginosa	-	-	≤3	-	≥3.00	≥5.00
Albicans	≤1	≤3	≤3	-	≥3.00	≥4.00



Applicant :
Address :

Below information submitted by the applicant:

Name : Disposable hand sanitizer (gel type)
Model : /
Model may cover : /
Reference info. : /
Supplier info. : ZHEJIANG GUONENG TECHNOLOGY CO., LTD.
Buyer info. : /
Destination : /
Original : China

Sample Received : 03.10, 2020
Test Period : 03.10, 2020 - 03.13, 2020
Test Requirement : According to European Commission Regulation 1907/2006 (REACH Act),
to test the SVHC content which have been listed in ECHA's SVHC
candidate list till Jan. 16, 2020
<http://echa.europa.eu/web/guest/candidate-list-table>
Test Method : In-house method with reference to EPA: 8270D, 3052, 6010C, 3550C,
8321B, EN14362, DIN EN ISO 17353, IEC 62321, AFPS GS 2014.01 and
EN 14582 etc
Test Result : Refer to next pages
Test Conclusion : Refer to next pages



Jerry Zhao, Technical Director
Signed for and on behalf of
TUV THURINGEN SHANGHAI CO., LTD.
Shanghai

RESULT SUMMARY

As the applicant required, to carry the test items as below:

Test Items	Verdict
1. According to European Commission Regulation 1907/2006 (REACH Act), to test the SVHC content which have been listed in ECHA's SVHC candidate list till Jan.16, 2020 http://echa.europa.eu/web/guest/candidate-list-table - REACH SVHC content in candidate list till 2020.01.16, less than 0.1%	PASS

SAMPLE DESCRIPTION

Sample description : 1# Disposable hand sanitizer (gel type)



TEST RESULTS

Seq.	Test Item(s)	EC. No.	CAS No.	MDL (%)	Test Results (%)
					1#
1	2,4-Dinitrotoluene	204-450-0	121-14-2	0.01	N.D.
2	2-Ethoxyethanol	203-804-1	110-80-5	0.005	N.D.
3	2-Methoxyethanol	203-713-7	109-86-4	0.005	N.D.
4	4,4'- Diaminodiphenylmethane(MDA)	202-974-4	101-77-9	0.005	N.D.
5	5-tert-butyl-2,4,6-trinitro-m-xylene(musk xylene)	201-329-4	81-15-2	0.005	N.D.
6	Acrylamide	201-173-7	79-06-1	0.01	N.D.
7	Alkanes, C ₁₀₋₁₅ , chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8	0.005	N.D.
8	Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.2 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the two following conditions: a) Al ₂ O ₃ and SiO ₂ are present within the following concentration ranges: Al ₂ O ₃ : 43.5 – 47 % w/w, and SiO ₂ : 49.5 – 53.5 %	—	—	0.01	N.D.

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Seq.	Test Item(s)	EC. No.	CAS No.	MDL (%)	Test Results (%)
					1#
	w/w, or Al ₂ O ₃ : 45.5 – 50.5 % w/w, and SiO ₂ : 48.5 – 54 % w/w, b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm)***				
9	Ammonium dichromate*	232-143-1	7789-09-5	0.01	N.D.
10	Anthracene	204-371-1	120-12-7	0.005	N.D.
11	Anthracene oil	292-602-7	90640-80-5	0.01	N.D.
12	Anthracene oil, anthracene paste	292-603-2	90640-81-6	0.01	N.D.
13	Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2	0.01	N.D.
14	Anthracene oil, anthracene paste; distn. Lights	295-278-5	91995-17-4	0.01	N.D.
15	Anthracene oil, anthracene-low	292-604-8	90640-82-7	0.01	N.D.
16	Benzyl butyl phthalate(BBP)	201-622-7	85-68-7	0.005	N.D.
17	Bis(2-ethylhexyl)phthalate(DEHP)	204-211-0	117-81-7	0.005	N.D.
18	Bis(tributyltin)oxide(TBTO)**	200-268-0	58-35-9	0.005	N.D.
19	Boric acid*	233-139-2 / 234-343-4	10043-35-3 / 11113-50-1	0.01	N.D.
20	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid	231-801-5 236-881-5	7738-94-5 13530-68-2	0.01	N.D.
21	Chromium trioxide*	215-607-8	1333-82-0	0.01	N.D.
22	Cobalt dichloride*	231-589-4	7646-79-9	0.01	N.D.
23	Cobalt(II) carbonate*	208-169-4	513-79-1	0.01	N.D.
24	Cobalt(II) diacetate*	200-755-8	71-48-7	0.01	N.D.
25	Cobalt(II) dinitrate*	233-402-1	10141-05-6	0.01	N.D.
26	Cobalt(II) sulphate*	233-334-2	10124-43-3	0.01	N.D.
27	Diarsenic pentaoxide*	215-116-9	1303-28-2	0.01	N.D.
28	Diarsenic trioxide*	215-481-4	1327-53-3	0.01	N.D.
29	Dibutyl Phthalate(DBP)	201-557-4	84-74-2	0.005	N.D.
30	Diisobutyl Phthalate(DIBP)	201-553-2	84-89-5	0.01	N.D.
31	Disodium tetraborate, anhydrous*	215-540-4	1303-96-4/ 1330-43-4/ 12179-04-3	0.01	N.D.
32	Hexabromocyclododecane(HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	247-148-4 and 221-695-9	25637-99-4 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	0.005	N.D.
33	Lead chromate*	231-846-0	7758-97-6	0.01	N.D.
34	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)*	235-759-9	12656-85-8	0.01	N.D.
35	Lead hydrogen arsenate*	232-064-2	7784-40-9	0.01	N.D.

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Seq.	Test Item(s)	EC. No.	CAS No.	MDL (%)	Test Results (%)
					1#
36	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	215-693-7	1344-37-2	0.01	N.D.
37	Coal tar pitch, high temperature	268-028-2	65996-93-2	0.01	N.D.
38	Potassium chromate*	232-140-5	7789-00-6	0.01	N.D.
39	Potassium dichromate*	231-906-6	7778-50-9	0.01	N.D.
40	Sodium chromate*	231-889-5	7775-11-3	0.01	N.D.
41	Sodium dichromate*	234-190-3	7789-12-0/ 10588-01-9	0.01	N.D.
42	Tetraboron disodium heptaoxide, hydrate*	235-541-3	12267-73-1	0.01	N.D.
43	Trichloroethylene	201-167-4	79-01-6	0.01	N.D.
44	Triethyl arsenate*	427-700-2	15606-95-8	0.01	N.D.
45	Tris(2-chloroethyl)phosphate	204-118-5	115-96-8	0.01	N.D.
46	Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.2 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the two following conditions: a) Al ₂ O ₃ , SiO ₂ and ZrO ₂ are present within the following concentration ranges: Al ₂ O ₃ : 35 – 36 % w/w, and SiO ₂ : 47.5 – 50 % w/w, and ZrO ₂ : 15 – 17 % w/w, b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm)***			0.01	N.D.
47	2-ethoxyethyl acetate	203-839-2	111-15-9	0.01	N.D.
48	Strontium chromate*	232-142-6	7789-06-2	0.01	N.D.
49	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4	0.01	N.D.
50	Hydrazine	206-114-9	7803-57-8 302-01-2	0.01	N.D.
51	1-methyl-2-pyrrolidone	212-828-1	872-50-4	0.01	N.D.
52	1,2,3-trichloropropane	202-486-1	96-18-4	0.01	N.D.
53	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	276-158-1	71888-89-6	0.01	N.D.
54	Lead dipicrate*	229-335-2	6477-64-1	0.01	N.D.
55	Lead styphnate*	239-290-0	15245-44-0	0.01	N.D.
56	Lead azide Lead diazide*	236-542-1	13424-46-9	0.01	N.D.
57	Phenolphthalein	201-004-7	77-09-8	0.01	N.D.
58	2,2'-dichloro-4,4'-methylenedianiline	202-918-9	101-14-4	0.01	N.D.
59	N,N-dimethylacetamide	204-826-4	127-19-5	0.01	N.D.

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					1#
60	Trilead diarsenate*	222-979-5	3687-31-8	0.01	N.D.
61	Calcium arsenate*	231-904-5	7778-44-1	0.01	N.D.
62	Arsenic acid*	231-901-9	7778-39-4	0.01	N.D.
63	Bis(2-methoxyethyl) ether	203-924-4	111-96-6	0.01	N.D.
64	1,2-Dichloroethane	203-458-1	107-06-2	0.01	N.D.
65	4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9	0.01	N.D.
66	2-Methoxyaniline; o-Anisidine	201-963-1	90-04-0	0.01	N.D.
67	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	0.01	N.D.
68	Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4	0.01	N.D.
69	Pentazinc chromate octahydroxide*	256-418-0	49663-64-5	0.01	N.D.
70	Potassium hydroxyoctaoxodizincatedi-chromate*	234-329-8	11103-66-9	0.01	N.D.
71	Dichromium tris(chromate)*	246-356-2	24613-69-6	0.01	N.D.
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2	0.01	N.D.
73	1,2-dimethoxyethane, ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	0.01	N.D.
74	Diboron trioxide*	215-125-6	1303-66-2	0.01	N.D.
75	Formamide	200-842-0	75-12-7	0.01	N.D.
76	Lead(II) bis(methanesulfonate) *	401-750-5	17570-76-2	0.01	N.D.
77	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	219-514-3	2451-62-9	0.01	N.D.
78	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	423-400-0	59653-74-6	0.01	N.D.
79	4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	202-027-5	90-94-6	0.01	N.D.
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1	0.01	N.D.
81	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] ****	208-953-6	546-62-9	0.01	N.D.
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] ****	219-943-6	2580-56-5	0.01	N.D.
83	α,α-Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] ****	229-851-8	6786-83-0	0.01	N.D.

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					1#
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol (with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)) *****	209-218-2	561-41-1	0.01	N.D.
85	Bis(pentabromophenyl) ether (DecaBDE)	214-804-8	1163-19-5	0.01	N.D.
86	Pentacosafluorotridecanoic acid	276-745-2	72629-94-8	0.01	N.D.
87	Tricosafluorododecanoic acids	206-203-2	307-55-1	0.01	N.D.
88	Henicosafuoroundecanoic acid	218-165-4	2058-94-8	0.01	N.D.
89	Heptacosafuorotetradecanoic acid	206-803-4	376-06-7	0.01	N.D.
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues	—	—	0.01	N.D.
91	4-Nonylphenol, branched and linear -substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof	—	—	0.01	N.D.
92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3	0.01	N.D.
93	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	201-604-9	85-42-7	0.01	N.D.
94	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	247-094-1, 243-072-0, 256-356-4, 260-566-1	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	0.01	N.D.
95	Methoxy acetic acid	210-894-6	625-45-6	0.01	N.D.
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0	0.01	N.D.
97	Diisopentylphthalate (DIPP)	210-086-4	605-50-5	0.01	N.D.
98	N-pentyl-isopentylphthalate	—	—	0.01	N.D.
99	1,2-Diethoxyethane	211-076-1	629-14-1	0.01	N.D.
100	N,N-dimethylformamide; dimethyl formamide	200-679-5	68-12-2	0.01	N.D.
101	Dibutyltin dichloride (DBT)	211-670-0	683-18-1	0.01	N.D.
102	Acetic acid, lead salt, basic*	257-175-3	51404-69-4	0.01	N.D.
103	Basic lead carbonate (trilead bis(carbonate)dihydroxide)*	215-290-6	1319-46-6	0.01	N.D.
104	Lead oxide sulfate (basic lead sulfate)*	234-853-7	12036-76-9	0.01	N.D.
105	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)*	273-688-5	69011-06-9	0.01	N.D.
106	Dioxobis(stearato)trilead*	235-702-8	12578-12-0	0.01	N.D.
107	Fatty acids, C16-18, lead salts*	292-966-7	91031-62-8	0.01	N.D.
108	Lead bis(tetrafluoroborate)*	237-486-0	13814-96-5	0.01	N.D.
109	Lead cyanamidate*	244-073-9	20837-86-9	0.01	N.D.
110	Lead dinitrate*	233-245-9	10099-74-8	0.01	N.D.

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					1#
111	Lead oxide (lead monoxide)*	215-267-0	1317-36-8	0.01	N.D.
112	Lead tetroxide (orange lead)*	215-235-6	1314-41-6	0.01	N.D.
113	Lead titanium trioxide*	235-038-9	12080-00-3	0.01	N.D.
114	Lead Titanium Zirconium Oxide*	235-727-4	12828-81-2	0.01	N.D.
115	Pentalead tetraoxide sulphate*	235-067-7	12065-90-6	0.01	N.D.
116	Pyrochlore, antimony lead yellow*	232-382-1	8012-00-8	0.01	N.D.
117	Silicic acid, barium salt, lead-doped*	272-271-5	68784-75-8	0.01	N.D.
118	Silicic acid, lead salt*	234-363-3	11120-22-2	0.01	N.D.
119	Sulfurous acid, lead salt, dibasic*	263-467-1	62229-08-7	0.01	N.D.
120	Tetraethyllead*	201-075-4	78-00-2	0.01	N.D.
121	Tetralead trioxide sulphate*	235-380-9	12202-17-4	0.01	N.D.
122	Trilead dioxide phosphonate*	235-252-2	12141-20-7	0.01	N.D.
123	Furan	203-727-3	110-00-9	0.01	N.D.
124	Propylene oxide; 1,2-epoxypropane; methyloxirane	200-879-2	75-56-9	0.01	N.D.
125	Diethyl sulphate	200-589-6	64-67-5	0.01	N.D.
126	Dimethyl sulphate	201-058-1	77-78-1	0.01	N.D.
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	0.01	N.D.
128	Dinoseb	201-861-7	88-85-7	0.01	N.D.
129	4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	0.01	N.D.
130	4,4'-oxydianiline and its salts	202-977-0	101-80-4	0.01	N.D.
131	4-Aminoazobenzene	200-453-6	60-09-3	0.01	N.D.
132	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	202-453-1	95-80-7	0.01	N.D.
133	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	0.01	N.D.
134	Biphenyl-4-ylamine	202-177-1	92-67-1	0.01	N.D.
135	O-aminoazotoluene	202-591-2	97-56-3	0.01	N.D.
136	O-Toluidine	202-429-0	95-53-4	0.01	N.D.
137	N-methylacetamide	201-182-6	79-16-3	0.01	N.D.
138	1-bromopropane(n-propyl bromide)	203-445-0	106-94-5	0.01	N.D.
139	Cadmium*	231-152-8	7440-43-9	0.01	N.D.
140	Cadmium oxide*	215-146-2	1306-19-0	0.01	N.D.
141	Ammonium pentadecafluorooctanoate(APFO)	223-320-4	3825-26-1	0.01	N.D.
142	Pentadecafluorooctanoic acid(PFOA)	208-397-9	335-67-1	0.01	N.D.
143	Dipentyl phthalate(DPP)	205-017-9	131-18-0	0.01	N.D.
144	4-Nonylphenol, branched and linear, ethoxylated	—	—	0.01	N.D.
145	Cadmium sulphide*	215-147-8	1306-23-6	0.01	N.D.

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Room C6, Floor 16th Jangsu Building, No.526 Laoshan Road, Shanghai 200122, P.R.China

Seq.	Test Item(s)	EC. No.	CAS No.	MDL (%)	Test Results (%)
					1#
146	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	209-358-4	573-58-0	0.03	N.D.
147	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	217-710-3	1937-37-7	0.03	N.D.
148	Dihexyl phthalate	201-559-5	84-75-3	0.01	N.D.
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	98-45-7	0.03	N.D.
150	Lead d(acetate) *	206-104-4	301-04-2	0.01	N.D.
151	Trixylyl phosphate	246-677-8	25156-23-1	0.01	N.D.
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4	0.01	N.D.
153	Sodium perborate, perboric acid, sodium salt *	239-172-9, 234-390-0	—	0.01	N.D.
154	Sodium peroxometaborate*	231-556-4	7632-04-4	0.01	N.D.
155	Cadmium chloride*	233-296-7	10108-64-2	0.01	N.D.
156	Cadmium Fluoride	232-222-0	7790-79-6	0.01	N.D.
157	Cadmium Sulphate	233-331-6	10124-36-4 31119-53-6	0.01	N.D.
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7	0.01	N.D.
159	2-(2H-benzotriazol-2-yl)-4,6-diterpentylphenol (UV-328)	247-384-8	25963-55-1	0.01	N.D.
160	2-ethylhexyl-10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate(DOTE)	239-622-4	15571-58-1	0.01	N.D.
161	Reaction mass of 2-ethylhexyl-10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoatetradecanoate (reaction mass of DOTE and MOTE)	-	-	0.01	N.D.
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters, 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	271-049-0 272-013-1	68515-51-5 68648-93-1	0.01	N.D.
163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof]	-	-	0.01	N.D.
164	1,3-propanesultone	214-317-9	1120-71-4	0.01	N.D.
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1	0.01	N.D.
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3	0.01	N.D.
167	Nitrobenzene	202-716-0	98-95-3	0.01	N.D.
168	Perfluorononan-1-oi-acid and its sodium and ammonium salts	206-801-3	375-95-1 21049-39-8 4149-60-4	0.01	N.D.
169	Benzo(def)chrysene	200-028-5	50-32-8	0.01	N.D.

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Seq.	Test Item(s)	EC. No.	CAS No.	MDL (%)	Test Results (%)
					1#
170	4,4-isopropylidenediphenol (Bisphenol A)	201-245-8	80-05-7	0.01	N.D.
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	206-400-3 221-470-5	3108-42-7 335-76-2 3830-45-3	0.01	N.D.
172	4-heptylphenol, branched and linear (4-HPbl)	-	-	0.01	N.D.
173	4-tert-phenylphenol (PTAP)	201-280-9	80-46-6	0.01	N.D.
174	Perfluorohexane-1-sulphonic acid and its salts	206-587-1	355-46-4	0.01	N.D.
175	Dechlorane Plus(TM) and reaction products of 1,3,4-thiadiazolidine-2,5-dithione	/	13580-89-9 135821-74-8 135821-03-3	0.01	N.D.
176	benz[a]anthracene	200-280-6	56-55-3	0.01	N.D.
177	cadmium nitrate	233-710-6	10325-94-7	0.01	N.D.
178	cadmium carbonate	208-188-9	513-78-0	0.01	N.D.
179	cadmium hydroxide	244-168-5	21041-95-2	0.01	N.D.
180	chrysene	205-923-4	218-01-9	0.01	N.D.
181	formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	/	/	0.01	N.D.
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride)	209-8-0	552-30-7	0.01	N.D.
183	Benzo[ghi]perylene	205-883-8	191-24-2	0.005	N.D.
184	Decamethylcyclopentasiloxane (D5)	208-764-9	541-02-6	0.005	N.D.
185	Dicyclohexyl phthalate (DCHP)	201-545-9	84-81-7	0.01	N.D.
186	Disodium octaborate	234-541-0	12008-41-2	0.005	N.D.
187	Dodecamethylcyclohexasiloxane (D6)	208-762-8	540-97-6	0.005	N.D.
188	Ethylenediamine	203-468-6	107-15-3	0.01	N.D.
189	Lead	231-100-4	7439-92-1	0.005	N.D.
190	Octamethylcyclotetrasiloxane (D4)	209-136-7	556-87-2	0.005	N.D.
191	Terphenyl hydrogenated	262-967-7	61788-32-7	0.005	N.D.
192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	239-139-9	15087-24-8	0.005	N.D.
193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	401-720-1	6807-17-6	0.005	N.D.
194	Benzo[k]fluoranthene	205-916-6	207-08-9	0.005	N.D.
195	Fluoranthene	205-912-4	206-44-0 93951-69-0	0.005	N.D.
196	Phenanthrene	201-581-5	85-01-8	0.005	N.D.
197	Pyrene	204-927-3	129-00-0 1718-82-1	0.005	N.D.
198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides	—	—	0.01	N.D.
199	2-methoxyethyl acetate	203-772-9	110-49-6	0.01	N.D.
200	4-tert-butylphenol	202-679-0	98-54-4	0.01	N.D.

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Room C6, Floor 16th Jangsu Building, No.526 Laoshan Road, Shanghai 200122, P.R.China

Seq.	Test Item(s)	EC. No.	CAS No.	MDL (%)	Test Results (%)
					1#
201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	—	—	0.01	N.D.
202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	0.01	N.D.
203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	0.01	N.D.
204	Diisohexyl phthalate	276-090-2	71850-09-4	0.01	N.D.
205	Perfluorobutane sulfonic acid (PFBS) and its salts	—	—	0.01	N.D.

***** To be continued *****



- Remark 1** 1) In accordance with Regulation(EC) No. 1907/2006, any producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1), if both the following conditions are met:
(a) the substance is present in those articles in quantities totalling over 1 tonne per producer or importer per year;
(b) the substance is present in those articles above a concentration of 0,1 % weight by weight (w/w).
2) From 28 October 2008, EU & EEA suppliers of articles which contain substances on the Candidate List in a concentration above 0,1% (w/w) must provide sufficient information, available to them, to their customers and on request to a consumer within 45 days of the receipt of this request. This information must ensure safe use of the article and, as a minimum, include the name of the substance.
- Remark 2** 1)* Calculated concentration of cobalt dichloride, cobalt(II) sulphate, cobalt(II) dintrate, cobalt(II) carbonate and cobalt(II) diacetate is based on the identified heavy metal and anion result. Calculated concentration of diarsenic pentaoxide, diarsenic trioxide,chromium trioxide,sodium dichromate, dehydrate, lead hydrogen arsenate, triethyl arsenate, lead chromate, sodium chromate, strontium chromate ,potassium chromate, ammonium dichromate,potassium dichromate, lead chromate molybdate sulfate red, lead sulfochromate yellow and acids generated from chromium trioxide and their oligomers, Lead dipicrate, Lead styphnate, Lead azide,Lead diazide, Trilead diarsenate , Calcium arsenate , Arsenic acid , Potassium hydroxyoctaoxidizincatedi-chromate, Dichromium tris(chromate), Pentazinc chromate octahydroxide, Lead(II) bis(methanesulfonate), Diboron trioxide, Acetic acid, lead salt, basic, Basic lead carbonate (trilead bis(carbonate)dihydroxide), Lead oxide sulfate (basic lead sulfate), [Phthalato(2-)]dioxotrilead (dibasic lead phthalate), Dioxobis(stearato)trilead, Fatty acids, C16-18, lead salts, Lead bis(tetrafluoroborate), Lead cyanamidate, Lead dintrate, Lead oxide (lead monoxide), Lead tetroxide (orange lead), Lead titanium trioxide, Lead Titanium Zirconium Oxide , Pentalead tetraoxide sulphate , Pyrochlore, antimony lead yellow ,Silicic acid, barium salt, lead-doped , Sulphurous acid, lead salt, dibasic, Tetraethyllead, Tetralead trioxide sulphate, Trilead dioxide phosphonate,Cadmium,Cadmium oxide,Cadmium sulphide and Lead di(acetate), Cadmium chloride are based on the identified heavy metal result, boric acid, disodium tetraborate, anhydrous and tetraboron disodium heptaoxide, hydrate , Sodium perborate, perboric acid, sodium salt , Sodium peroxometaborate are based on the identified result of boron and sodium result. The identities of above metal substances present in the article have to be further confirmed.
- 2)** Concentration of bis(tributyltin)oxide, TBTO is reported as tributyltin, TBT. The result is a screening test of TBTO and can cover TBTO and other salts under current technologies. Further investigation is needed to have the exact amount of TBTO.
- 3)*** Calculated concentration of Aluminosilicate, Refractory Ceramic Fibres ,Zirconia Aluminosilicate, Refractory Ceramic Fibres is based on the identified heavy metal result and confirmation by microscope.
- 4)****The substance does only fulfil the criteria of REACH Art. 57 (a) if it contains Michler's ketone (EC Number: 202-027-5) or Michler's base (EC Number: 202-959-2) in a concentration $\geq 0.1\%$ (weight / weight);
- 5) N.D. = Not detected, less than MDL.

***** To be continued *****

TUV Thüringen CHINA

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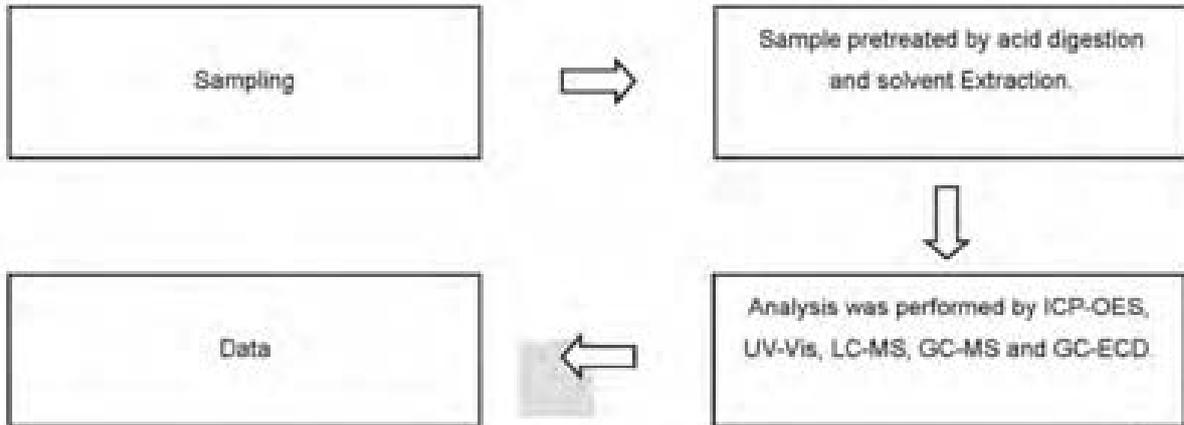
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FLOW CHART



***** To be continued *****

SAMPLE IMAGE



Tested specimen

**** END OF REPORT ****

TUV®

SAFETY DATA SHEET

Regulation (EC) No 1907/2006 (REACH), Annex II
(COMMISSION REGULATION (EU) No 2015/830)

Issue date 20-Feb-2020

Revision date 20-Feb-2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Hand Sanitizer (Gel)
REACH registration number No information available

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Skin disinfectants
Uses that are advised against Not indicated

1.3. Details of the supplier of the safety data sheet

Supplier:
Address:
Postal code:
Phone:
Fax:
E-mail:

1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Flammable liquids (Category 3)

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008
Hazard pictograms



Signal word
Hazard statements

Danger

H226 Flammable liquid and vapour

Precautionary statements

P102 Keep out of reach of children

P210 Keep away from heat, hot surfaces, sparks, open flames and other

Product name: Instant Hand Sanitizer - Gel

Ignition sources. No smoking

P403+P235 Store in a well-ventilated place. Keep cool

P501 Dispose of contents and container to authorised waste disposal facility

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients**3.1. Mixture**

Chemical name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethanol	200-578-6	64-17-5	70-80%	H225 Flam. Liq. 2 H319 Eye Irrit. 2 H371 STOT SE 2 H302 Acute Tox. 4 H315 Skin Irrit. 2
Polyacrylic acid	202-415-4	9003-01-4	0.2-0.5%	Not classified
Chamomile Essence	/	/	0.2-0.8%	Not classified
Water	231-791-2	7732-18-5	20-30%	Not classified
Tris(2-Hydroxyethyl)Amine; Triethanolamine	203-049-8	102-71-6	0.05-0.5%	Not classified

SECTION 4: First aid measures**4.1. Description of first aid measures**

First-aid measures after skin contact: None under normal use.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. If eye irritation persists. Get medical advice/attention. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

First-aid measures after ingestion: Get medical advice/attention if you feel unwell. Drink plenty of water. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/Injuries: Not applicable.

4.3 Indication of any immediate medical attention and special treatment needed

Symptoms/Injuries after eye contact: Causes serious eye irritation.

SECTION 5: Firefighting measures**5.1. Extinguishing media**Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**5.2 Special hazards arising from the substance or mixture**

No further relevant information available.

5.3 Advice for firefighters

Protective equipment: No special measures required

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

General measures: Take up liquid spill into absorbent material. Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

For non-emergency personnel

No additional information available

For emergency responders

No additional information available

6.2 Environmental precautions:

No additional information available

6.3 Methods and material for containment and cleaning up:

Methods for cleaning up: Take up liquid spill into absorbent material.

Other information: Can be slippery on hard, smooth walking area.

6.4 Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Additional hazards when processed: Handle empty containers with care because residual vapours are flammable.

Precautions for safe handling: Not applicable. No open flames. No smoking. Use only non-sparking tools.

Hygiene measures: None under normal use.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures: Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment.

Storage conditions: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep only in original container. Keep cool. Keep in fireproof place. Keep container tightly closed.

Incompatible materials: Heat sources.

7.3 Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data, see item 7

8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace: Not required.

Additional information: The lists valid during the making were used as basis.

8.2. Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

Product name: Instant Hand Sanitizer - Gel

Respiratory protection: Not required.

Protection of hands: Generally the product does not irritate the skin.

Material of gloves

Not required.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material Not required.

Eye protection:



SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Colorless transparent gel
Appearance:	Transparent.
Colour:	clear.
Odour:	Slightly Chamomile.
Odour threshold:	No data available
pH:	6.0 - 7.0
Relative evaporation rate (butylacetate=1):	No data available
Melting point:	No data available
Freezing point:	No data available
Boiling point:	> 82 °C
Flash point:	28 °C
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Flammability (solid, gas):	Highly flammable liquid and vapour
Vapour pressure:	No data available
Relative vapour density at 20 °C:	No data available
Relative density:	0.83±0.05 g/ml
Solubility:	No data available
Log Pow:	No data available
Viscosity, kinematic:	10 - 12 seconds (DIN 53211)
Viscosity, dynamic:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available
Explosive limits:	No data available

9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Not applicable

10.2. Chemical stability

Not applicable. Highly flammable liquid and vapour. May form flammable/explosive vapour-air mixture

Product name: Instant Hand Sanitizer - Gel

10.3. Possibility of hazardous reactions

Not applicable.

10.4. Conditions to avoid

Not applicable. Open flame. Direct sunlight.

10.5. Incompatible materials

Not applicable.

10.6. Hazardous decomposition products

Not applicable. May release flammable gases.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

Primary irritant effect:**Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information**12.1. Toxicity**

Aquatic toxicity: No further relevant information available.

12.2. Persistence and degradability

No further relevant information available.

12.3. Bioaccumulative potential

No further relevant information available.

12.4. Mobility in soil

No further relevant information available.

Additional ecological information:

General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Product name: Instant Hand Sanitizer - Gel

In accordance with the requirements of the RVO in the Act on Detergents and Cleansing Agents, tensides are biodegradable up to at least 90 %.

12.5. Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

12.6. Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recommendation

Disposal must be made according to official regulations.

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number

ADR, IMDG, IATA UN1170

14.2 UN proper shipping name

ETHANOL (ETHYL ALCOHOL)

14.3 Transport hazard class(es)

Class 3 Flammable liquids.

14.4 Packing group

ADR, IMDG, IATA II

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user Warning:

Check whether the packaging is complete or sealed before transportation; ensure that the packaging is not damaged to prevent the goods from falling during transportation; the transportation vehicle should be equipped with fire protection and accidental release handling facilities; do not transport this product with incompatible materials; in the middle Stay away from fire and high temperature areas during the stay.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Reg. (EC) n. 1272/2008 - CLP;

Reg. (EC) n. 1907/2006 – Reach;

Reg. (EC) n. 2015/830 annex II of REACH;

Reg. (EC) n. 648/04 (Detergents);

Reg. (EC) n. 528/12 (Biocides BPR);

Reg. (EC) n. 1223/2009 (Cosmetics);

Dir. 06/08 ADR – RID - IMDG - IATA;

Dir. 47/08 (Aerosols); Dir. 12/18 (Seveso III);

Dir. 2009/98/CE and Reg. (EC) n.1357/2014 (Waste management)

Directive 2012/18/EU

Product name: Instant Hand Sanitizer - Gel

Named dangerous substances - ANNEX I Substance is not listed.

Seveso category P5c FLAMMABLE LIQUIDS

Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

National regulations:

Waterhazard class:

Water hazard class 1 (Self-assessment): slightly hazardous for water.

15.2 Chemical safety assessment:

A Chemical Safety Assessment has been carried out.

SECTION 16: Other information

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Issue Date	20-Feb-2020
Revision date	20-Feb-2020
Revision Note	Not applicable

Key or legend to abbreviations and acronyms used in the safety data sheet

TWA - TWA (time-weighted average)

STEL - STEL (Short Term Exposure Limit)

Ceiling - Maximum limit value

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

Key literature references and sources for data

ECHA: <http://echa.europa.eu/>

Full text of H-Statements referred to under section 3

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.