



30 October 2024

(24-7648)

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Committee on Technical Barriers to Trade

Original: English

NOTIFICATION

The following notification is being circulated in accordance with Article 10.6

<p>1. Notifying Member: <u>SINGAPORE</u> If applicable, name of local government involved (Article 3.2 and 7.2):</p>																																			
<p>2. Agency responsible: National Environment Agency (NEA) Name and address (including telephone and fax numbers, email and website addresses, if available) of agency or authority designated to handle comments regarding the notification shall be indicated if different from above:</p>																																			
<p>3. Notified under Article 2.9.2 [X], 2.10.1 [], 5.6.2 [], 5.7.1 [], 3.2 [], 7.2 [], other:</p>																																			
<p>4. Products covered (HS or CCCN where applicable, otherwise national tariff heading. ICS numbers may be provided in addition, where applicable):</p> <table border="1"> <thead> <tr> <th>S/N</th> <th>Chemical Identity</th> <th>Name</th> <th>& CAS No.</th> <th>HS Code</th> <th>HS Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Medium-chain chlorinated paraffins (chain lengths at least C14 but not exceeding C17)</td> <td></td> <td></td> <td>38249999</td> <td>Other chemical products & preparations of the chemical or allied industries excluding naphthenic acids their water insoluble salts & their esters</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>29031990</td> <td>Other saturated chlorinated derivatives of acyclic hydrocarbons</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>32081019</td> <td>Varnishes based on polyesters in non-aqueous medium not for dentistry use</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>32081090</td> <td>Other paints based on polyesters in non-aqueous medium & solutions defined in Note 4 of Chapter 32 based on polyesters</td> </tr> </tbody> </table>						S/N	Chemical Identity	Name	& CAS No.	HS Code	HS Description	1	Medium-chain chlorinated paraffins (chain lengths at least C14 but not exceeding C17)			38249999	Other chemical products & preparations of the chemical or allied industries excluding naphthenic acids their water insoluble salts & their esters					29031990	Other saturated chlorinated derivatives of acyclic hydrocarbons					32081019	Varnishes based on polyesters in non-aqueous medium not for dentistry use					32081090	Other paints based on polyesters in non-aqueous medium & solutions defined in Note 4 of Chapter 32 based on polyesters
S/N	Chemical Identity	Name	& CAS No.	HS Code	HS Description																														
1	Medium-chain chlorinated paraffins (chain lengths at least C14 but not exceeding C17)			38249999	Other chemical products & preparations of the chemical or allied industries excluding naphthenic acids their water insoluble salts & their esters																														
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				32081019	Varnishes based on polyesters in non-aqueous medium not for dentistry use																														
				32081090	Other paints based on polyesters in non-aqueous medium & solutions defined in Note 4 of Chapter 32 based on polyesters																														

32082090	Other paints & varnishes in non-aqueous medium & solutions defined in Note 4 of Chapter 32 based on acrylic or vinyl polymers
34031111	Lubricating oil preparations for treatment of materials in liquid form containing by weight less than 70% of petroleum or bituminous mineral oils
34031912	Lubricating preparations with silicone oil in liquid form not for aircraft engines containing by weight less than 70% of petroleum or bituminous mineral oils
34031919	Other lubricating preparations not for aircraft engines in liquid form containing by weight less than 70% of petroleum or bituminous mineral oils not elsewhere specified
34039111	Preparations for treatment of materials in liquid form containing silicone oil not containing petroleum or bituminous mineral oils
34039119	Other preparations for treatment of materials in liquid form not containing silicone oil not containing petroleum or bituminous mineral oils
34039912	Lubricating preparations with silicone oil in liquid form not containing petroleum or bituminous mineral oil
34039919	Other lubricating preparations in liquid form not containing petroleum or bituminous mineral oil not elsewhere specified

		38112110	Additives for lubricating oil containing petroleum or oils from bituminous minerals for retail
		38112190	Additives for lubricating oil containing petroleum or oils from bituminous minerals not for retail
		38112900	Additives for lubricating oil not containing petroleum or oils from bituminous materials
		38122000	Compound plasticisers for rubber or plastics
		38229090	Other diagnostic or laboratory reagents on a backing prepared diagnostic or laboratory reagents excluding heading 3006 & certified reference materials
		29159090	Other saturated acyclic monocarboxylic acids & their anhydride halide peroxides peroxyacids & their halogenated sulphonated nitrated or nitrosated derivatives
2	Perfluorononanoic acid, its salts and related compounds*	375-95-1	
		38229090	Other diagnostic or laboratory reagents on a backing prepared diagnostic or laboratory reagents excluding heading 3006 & certified reference materials
		29159090	Other saturated acyclic monocarboxylic acids & their anhydride halide peroxides peroxyacids & their halogenated sulphonated nitrated or nitrosated derivatives
3	Perfluorodecanoic acid, its salts and related compounds*	335-76-2	
		38229090	Other diagnostic or laboratory reagents on a backing prepared diagnostic or laboratory reagents excluding heading 3006 & certified reference materials

4	Perfluoroundecylic acid, its salts and related compounds* 2058-94-8	29159090	Other saturated acyclic monocarboxylic acids & their anhydride halide peroxides peroxyacids & their halogenated sulphonated nitrated or nitrosated derivatives
		38229090	Other diagnostic or laboratory reagents on a backing prepared diagnostic or laboratory reagents excluding heading 3006 & certified reference materials
5	Perfluorododecanoic acid, its salts and related compounds* 307-55-1	29159090	Other saturated acyclic monocarboxylic acids & their anhydride halide peroxides peroxyacids & their halogenated sulphonated nitrated or nitrosated derivatives
		38229090	Other diagnostic or laboratory reagents on a backing prepared diagnostic or laboratory reagents excluding heading 3006 & certified reference materials
6	Perfluorotridecanoic acid, its salts and related compounds* 72629-94-8	29159090	Other saturated acyclic monocarboxylic acids & their anhydride halide peroxides peroxyacids & their halogenated sulphonated nitrated or nitrosated derivatives
		38229090	Other diagnostic or laboratory reagents on a backing prepared diagnostic or laboratory reagents excluding heading 3006 & certified reference materials
7	Perfluorotetradecanoic acid, its salts and related compounds* 376-06-7	29159090	Other saturated acyclic monocarboxylic acids & their anhydride halide peroxides peroxyacids & their halogenated sulphonated nitrated or nitrosated derivatives
		38229090	Other diagnostic or laboratory reagents on a backing prepared

			diagnostic or laboratory reagents excluding heading 3006 & certified reference materials
		29159090	Other saturated acyclic monocarboxylic acids & their anhydride halide peroxides peroxyacids & their halogenated sulphonated nitrated or nitrosated derivatives
8	Perfluoropentadecanoic acid, its salts and related compounds*	141074-63-7	Other diagnostic or laboratory reagents on a backing prepared diagnostic or laboratory reagents excluding heading 3006 & certified reference materials
		38229090	Other saturated acyclic monocarboxylic acids & their anhydride halide peroxides peroxyacids & their halogenated sulphonated nitrated or nitrosated derivatives
		29159090	Other diagnostic or laboratory reagents on a backing prepared diagnostic or laboratory reagents excluding heading 3006 & certified reference materials
9	Perfluorohexadecanoic acid, its salts and related compounds*	67905-19-5	Other diagnostic or laboratory reagents on a backing prepared diagnostic or laboratory reagents excluding heading 3006 & certified reference materials
		38229090	Other saturated acyclic monocarboxylic acids & their anhydride halide peroxides peroxyacids & their halogenated sulphonated nitrated or nitrosated derivatives
		29159090	Other diagnostic or laboratory reagents on a backing prepared diagnostic or laboratory reagents excluding heading 3006 & certified reference materials
10	Perfluoroheptadecanoic acid, its salts and related compounds*	57475-95-3	Other diagnostic or laboratory reagents on a backing prepared diagnostic or laboratory reagents excluding heading 3006 & certified reference materials
		38229090	Other saturated acyclic monocarboxylic acids & their anhydride halide peroxides peroxyacids & their halogenated sulphonated nitrated or nitrosated derivatives
		29159090	Other diagnostic or laboratory reagents on a backing prepared diagnostic or laboratory reagents excluding heading 3006 & certified reference materials
11	Perfluorooctadecanoic acid, its salts and related compounds*	16517-11-6	Other saturated acyclic monocarboxylic acids & their anhydride halide peroxides peroxyacids & their halogenated sulphonated nitrated or

			nitrosated derivatives
		38229090	Other diagnostic or laboratory reagents on a backing prepared diagnostic or laboratory reagents excluding heading 3006 & certified reference materials
		29159090	Other saturated acyclic monocarboxylic acids & their anhydride halide peroxides peroxyacids & their halogenated sulphonated nitrated or nitrosated derivatives
12	Perfluorononadecanoic acid, its salts and related compounds*	133921-38-7	
		38229090	Other diagnostic or laboratory reagents on a backing prepared diagnostic or laboratory reagents excluding heading 3006 & certified reference materials
		29159090	Other saturated acyclic monocarboxylic acids & their anhydride halide peroxides peroxyacids & their halogenated sulphonated nitrated or nitrosated derivatives
13	Perfluoroeicosanoic acid, its salts and related compounds*	68310-12-3	
		38229090	Other diagnostic or laboratory reagents on a backing prepared diagnostic or laboratory reagents excluding heading 3006 & certified reference materials
		29159090	Other saturated acyclic monocarboxylic acids & their anhydride halide peroxides peroxyacids & their halogenated sulphonated nitrated or nitrosated derivatives
14	Perfluoroheneicosanoic acid, its salts and related compounds	292091-3-30-8	
		38229090	Other diagnostic or laboratory reagents on a backing prepared diagnostic or laboratory reagents excluding heading 3006 & certified reference materials

		85393110	Tubes for compact fluorescent hot cathode lamps excluding ultraviolet lamps
		85393130	Compact fluorescent hot cathode lamps with built-in ballast excluding ultraviolet lamps
15	Compact fluorescent lamps with an integrated ballast (CFL.i) for general lighting purposes that are ≤ 30 - watts with a mercury content not exceeding 5 mg per lamp burner	85393190	Other discharge fluorescent hot cathode lamps excluding ultraviolet lamps
		85393910	Other tubes for compact discharge fluorescent lamps
		85393990	Other discharge lamps excluding ultraviolet lamps
		85393940	Other fluorescent cold cathode lamps
		85393990	Other discharge lamps excluding ultraviolet lamps
16	Cold cathode fluorescent lamps and external electrode fluorescent lamps of all lengths for electronic displays	85287292	Colour television receivers LCD, LED or flat panel display type not battery operated
		85285200	Other monitors capable of directly connecting to and designed for use with automatic data processing system of heading 8471
		85393920	Cold cathode fluorescent lamps (CCFLS) for backlighting of flat panel displays
17	Strain gauges to be used in plethysmographs	90279000	Microtomes & parts and accessories thereof
18	The following electrical and electronic measuring devices except those installed in large-scale equipment or those used for high precision measurement, where no	90262090	Other instruments and apparatus for measuring or checking pressure

	suitable mercury free alternative is available:			
	•Melt pressure transducers, melt pressure transmitters and melt pressure sensors			
19	Mercury vacuum pumps	-	84141000	Vacuum pumps
			90311000	Machines for balancing mechanical parts
			87087095	Other road wheels & parts & accessories thereof for vehicles of heading 8701
20	Tyre balancers and wheel weights		87087096	Other road wheels & parts & accessories thereof for vehicles of heading 8702 or 8704
			87087097	Other road wheels & parts & accessories thereof for vehicles of heading 8703
			87087099	Other road wheels & parts & accessories thereof for vehicles of heading 8705
			37011000	Photographic plates and film in the flat sensitised unexposed of any material excluding paper paperboard or textiles for x-ray
21	Photographic film and paper		37013000	Other photographic plates and film in the flat sensitised unexposed of any material excluding paper paperboard or textiles with any side over 255 mm
			37019110	Photographic plates and film in the flat sensitised unexposed of any material excluding paper paperboard or textiles for colour photography in printing industry
			37019190	Other photographic plates and film in the flat

	sensitised unexposed of any material excluding paper paperboard or textiles for colour photography
37019910	Other photographic plates and film in the flat sensitised unexposed of any material excluding paper paperboard or textiles for use in printing industry
37019990	Other photographic plates and film in the flat sensitised unexposed of any material excluding paper paperboard or textiles not elsewhere specified
37021000	Photographic film in rolls sensitised unexposed of any material excl paper paperboard or textiles for x-ray
37023100	Other photographic film in rolls sensitised unexposed of any material excl paper paperboard or textiles without perforations of width not over 105mm for colour photography
37023200	Other photographic film in rolls sensitised unexposed of any material excl paper paperboard or textiles without perforations of width not over 105mm with silver halide emulsion
37023900	Other photographic film in rolls sensitised unexposed of any material excl paper paperboard or textiles without perforations of width not over 105mm nes
37024100	Other photographic film in rolls sensitised unexposed of any

	material excl paper paperboard or textiles without perforations of width over 610 mm length over 200 m for colour photography
37024210	Other photographic film in rolls sensitised unexposed of any material excl paper paperboard or textiles without perforations of width over 610 mm length over 200m excl colour photography suitable for medical or veterinary or printing industry
37024290	Other photographic film in rolls sensitised unexposed of any material excl paper paperboard or textiles without perforations of width over 610 mm length over 200m in other forms
37024300	Other photographic film in rolls sensitised unexposed of any material excl paper paperboard or textiles without perforations of width over 610 mm length not over 200 m
37024400	Other photographic film in rolls sensitised unexposed of any material excl paper paperboard or textiles without perforations of width over 105 mm but not over 610 mm
37025220	Other photographic film in rolls sensitised unexposed of any material excl paper paperboard or textiles of width not over 16 mm for use in cinematography
37025290	Other photographic film in rolls sensitised

		unexposed of any material excl paper paperboard or textiles of width not over 16 mm for colour photography excl for use in cinematography
	37025300	Other photographic film in rolls sensitised unexposed of any material excl paper paperboard or textiles of width over 16 mm but not over 35 mm & length not over 30 m for colour photography for slides
	37025440	Other photographic film in rolls sensitised unexposed of any material excl paper paperboard or textiles of width over 16 to 35 mm & length up to 30 m colour photography excl slides but in medical surgical dental veterinary sciences/printing industry
	37025490	Other photographic film in rolls sensitised unexposed of any material excl paper paperboard or textiles of width over 16 mm but not over 35 mm & length not over 30 m for colour photography excl for slides
	37025520	Other photographic film in rolls sensitised unexposed of any material excl paper paperboard or textiles of width over 16 mm but not over 35 mm & length over 30 m for colour photography for use in cinematography
	37025550	Other photographic film in rolls sensitised unexposed of any material excl paper paperboard or textiles of width over 16 mm to 35 mm & length over 30 m

	for colour photography in medical surgical dental veterinary sciences or printing industry
37025590	Other photographic film in rolls sensitised unexposed of any material excl paper paperboard or textiles of width over 16 mm but not over 35 mm & length over 30 m for colour photography
37025620	Other photographic film in rolls sensitised unexposed of any material excl paper paperboard or textiles of width over 35 mm for colour photography for use in cinematography
37025690	Other photographic film in rolls sensitised unexposed of any material excl paper paperboard or textiles of width over 35 mm for colour photography excl for use in cinematography
37029610	Other photographic film in rolls sensitised unexposed of any material excl paper paperboard or textiles of width not over 35 mm & length not over 30 m for use in cinematography
37029690	Other photographic film in rolls sensitised unexposed of any material excl paper paperboard or textiles of width not over 35 mm & length not over 30 m excl for use in cinematography
37029710	Other photographic film in rolls sensitised unexposed of any material excl paper paperboard or textiles of width over 35 mm &

	length over 30 m for use in cinematography
37029790	Other photographic film in rolls sensitised unexposed of any material excl paper paperboard or textiles of width over 35 mm & length over 30 m excl for use in cinematography
37029810	Other photographic film in rolls sensitised unexposed of any material excl paper paperboard or textiles of width over 35 mm for use in cinematography
37029830	Other photographic film in rolls sensitised unexposed of any material excl paper paperboard or textiles of width over 35 mm & length of 120 m or more excl for use in cinematography
37029890	Other photographic film in rolls sensitised unexposed of any material excl paper paperboard or textiles of width over 35 mm
37031010	Photographic paper paperboard & textiles sensitised unexposed in rolls of width over 610 mm but not over 1000 mm
37031090	Photographic paper paperboard & textiles sensitised unexposed in rolls of width over 1000 mm
37032000	Photographic paper paperboard & textiles sensitised unexposed in rolls of width not over 610 mm for colour photography
37039000	Photographic paper paperboard & textiles

			sensitised unexposed in rolls of width not over 610 mm
		37040010	X-ray plates or film, exposed but not developed
		37040090	Photographic plates film paper paperboard & textiles exposed but not developed excl x ray plates or film
		37050010	X-ray, exposed and developed other than cinematographic film
		37050020	Microfilm, exposed and developed other than cinematographic film
		37050030	Photographic plates and film exposed and developed for offset reproduction excl cinematographic film
		37050090	Photographic plates and film exposed and developed excl cinematographic film x ray microfilm and offset reproduction
22	Propellant for satellites and spacecraft	36010000	Propellent powders
		90308410	Instruments & apparatus (with a recording device) for measuring/checking electrical quantities on printed circuit boards (pcb) or printed wiring boards (pwb) and printed circuit assemblies (pca)
23	Very high accuracy capacitance and loss measurement bridges and high frequency radio frequency switches and relays in monitoring and control instruments with a maximum mercury content of 20 mg per bridge switch or relay, except those used for research and development purposes	90308490	Other instruments & apparatus (with a recording device) for measuring or checking electrical quantities
		90308910	Instruments & apparatus (without a recording device) for measuring or checking electrical quantities on printed

		circuit boards (pcb) or printed wiring boards (pwb) & printed circuit assemblies (pca)
90308990		Other instruments & apparatus (without a recording device) for measuring or checking electrical quantities
90321000		Thermostats
85353019		Other isolating switches & make & break switches for a voltage over 1KV but not over 40KV
85353020		Other isolating switches & make & break switches for a voltage of 66KV or more
85353090		Other isolating switches & make & break switches for a voltage over 40KV but less than 66KV
84769090		Parts of automatic goods vending machines
84762100		Automatic beverage vending machines with heating or refrigerating devices
84762900		Automatic beverage vending machines with no heating or refrigerating devices
84768100		Other goods vending machine incorporating heating or refrigerating devices
84768990		Other goods vending machine with no heating or refrigerating devices
85364140		Relays for a voltage not over 60V & for a current of less than 16A
85364199		Other relays for a voltage not over 60V & for a current of 16A or

	more
85364990	Relays for a voltage over 60V but not over 1kV
85365033	Other inrush switches etc for a voltage not over 1kV & for a current of less than 16A
85365039	Other inrush switches etc for a voltage not over 1kV
85365099	Other switches for a voltage not over 1kV & for a current of 16A or more
90308290	Other Instruments & apparatus for measuring or checking semiconductor wafers or devices
90309090	Parts & Accessories of instruments & apparatus for measuring or checking electrical quantities or alpha beta gamma x-ray cosmic or ionising radiations
90309040	Parts & Accessories of other instruments & apparatus for measuring or checking electrical quantities on printed circuit boards (PCD) or printed wiring boards (PWB) & printed circuit assemblies (PCA)
90319090	Other parts & accessories of measuring or checking instruments appliances and machines in chapter 90
85177932	Parts of other printed circuit boards assembled of goods for radio-telephony or radio-telegraphy
85176261	Other transmission apparatus for radiotelephony or

		radiotelegraphy not elsewhere specified
	85177939	Parts of other printed circuit boards assembly of goods of heading 8517 (excl those for line/radio telephony or line/radio telegraphy)
	85176292	Other machines for reception conversion & transmission or regeneration of voice images or other data for radiotelephony or radiotelegraphy
	85176253	Other transmission apparatus for radio-telephony or radio-telegraphy incorporating reception apparatus
<p><i>*As related salt and compound are too broad to give an exhaustive list, only sub-headings are included.</i></p>		
5.	<p>Title, number of pages and language(s) of the notified document: Environmental Protection and Management Act (Amendment of Second Schedule) (No. 2) Order 2024, (5 page(s), in English)</p> <p>Environmental Protection and Management (Hazardous Substances) (Amendment) Regulations 2024, (2 page(s), in English)</p>	
6.	<p>Description of content: Singapore's National Environment Agency (NEA) is proposing to regulate 2 groups of chemicals and 9 mercury-added products as Hazardous Substances under the Environmental Protection and Management Act (EPMA) and/or EPM (Hazardous Substances) Regulations (EPM (HS) Regulations).</p> <p>The 2 groups of chemicals have been assessed by the Persistent Organic Pollutant Review Committee (POPRC) of the Stockholm Convention to be persistent organic pollutants that are likely, as a result of their long-range environment transport, to lead to significant adverse human health and/or environmental effects such that global action is warranted. Accordingly, the POPRC has recommended for the 2 groups of chemicals to be listed under Annex A of the Stockholm Convention for elimination. The 9 mercury-added products were adopted into Annex A of the Minamata Convention for phasing out by 1 Jan 2026.</p> <p>The proposed regulation of the 2 groups of chemicals and 9 mercury-added products under the EPMA and/or EPM (HS) Regulations is planned to take effect in Jun 2025. Once the regulations take effect, importers, manufacturers and distributors of the 2 groups of chemicals and of products containing these chemicals will be required to apply for a Hazardous Substances (HS) licence/permit for the import, export, sale, manufacture, transport, storage and/or use of these chemicals. Accordingly, importers, manufacturers and distributors of the 2 groups of chemicals and products containing these chemicals would have to comply with the requirements on the import, manufacture, sale, transport, storage and/or use of hazardous substances, that are stipulated in the EPMA and EPM (HS) Regs. The import, export and manufacture of the 9 mercury-added products will not be allowed once the regulations take effect.</p>	
7.	<p>Objective and rationale, including the nature of urgent problems where applicable: Further to mitigating the potential environmental and health impacts of these</p>	

<p>chemicals and mercury-added products, the regulation of these chemicals and mercury-added products are being put in place in preparation for the fulfilment of Singapore's obligations under the Stockholm Convention and the Minamata Convention. The regulation of these chemicals and mercury-added products under the EPMA and the EPM (HS) Regulations will enable NEA to (a) track the import/export, purchase/sale, use, transportation and storage of the chemicals and their extent of use in Singapore; (b) promptly implement controls (i.e., prohibition) under the Stockholm Convention and Minamata Convention once such decisions are adopted and (c) provide the industry with sufficient reaction time for the eventual phasing out of these chemicals and mercury-added products.; Protection of human health or safety; Protection of the environment</p>
<p>8. Relevant documents:</p> <p>Environmental Protection and Management Act (EPMA), 164 pages, in English (Available online at https://sso.agc.gov.sg/act/epma1999)</p> <p>Environmental Protection and Management (Hazardous Substances) Regulations, 26 pages, in English (available online at https://sso.agc.gov.sg/si/epma1999-rg4)</p>
<p>9. Proposed date of adoption: Notice will be published in the Republic of Singapore's Government Gazette in Dec 2024 (planned) when adopted.</p> <p>Proposed date of entry into force: Planned for Jun 2025. Notice will be published prior to the date of entry into force.</p>
<p>10. Final date for comments: 60 days from notification</p>
<p>11. Texts available from: National enquiry point [X] or address, telephone and fax numbers and email and website addresses, if available, of other body:</p> <p>Ms Nikki Lee Senior Engineer, Chemical Control and Management Department, Pollution Control 1 Division 40 Scotts Road, Environment Building, #17-00 Singapore 228231 Email: nikki_lee@nea.gov.sg</p>