

Exemption from banning of the use

Only when a raw material/subsidiary material, which contains a Toyota Boshoku's banned substance, falls under any one of the following conditions, the material is determined to be exempted from banning of the use.

However, a "raw material" and "subsidiary material that may adhere to or be mixed with the product" is determined as a banned substance that is subject to not only this standard but also BSDZ0001 "Restriction of the use of substance of concern for materials or products/parts."

When the material is used in an overseas entity, it is determined to be a banned substance that is subject to the laws and regulations of the country of the location.

1) The banned substances, contained in raw materials/subsidiary materials, that are used only in a solid state and do not enter a powdery state or granular state in the process of handling are exempted from banning of the use.

Example: Beryllium contained in beryllium alloy used in electronic parts, etc.

2) Banned substances handled in a sealed state are exempted.

Example: Mercury used in a mercury manometer

3) The material names (material group), shown in Table-1, to which the banning of the use is difficult to be applied depending on the usage are exempted.

Table-1 List of banned substances that are exempted depending on the usage

CAS№(Toyota №)	Material name (material group)	Use application	Supplementary items
—	All materials	<ul style="list-style-type: none"> For test and research Reagent for analysis and standard liquid, and standard gas 	—
—	Lead and its compounds	<ul style="list-style-type: none"> High-melting solder Aluminum alloys (Ingot) 	The lead content ratio of aluminum metal must be less than 0.4%.
—	Arsenic and its compounds	<ul style="list-style-type: none"> Material of semiconductor 	—
—	Halons (fire extinguishing agent)	<ul style="list-style-type: none"> Gas for fire extinguishing equipment 	Exempted until renewal of equipment
—	Freon (HCFC)	<ul style="list-style-type: none"> Refrigerant for replenishment 	Exempted until renewal of equipment
—	Freon (HFC)	<ul style="list-style-type: none"> Refrigerant Manufacturing of semiconductor Mold lubricant for the production of motor parts 	—
—	Freon (PFC)	<ul style="list-style-type: none"> Manufacturing of semiconductor 	—
—	Beryllium and its compounds	<ul style="list-style-type: none"> Welding electrode 	—
—	Hexavalent chromium compounds	<ul style="list-style-type: none"> Plating solution 	—
62-56-6	Thiourea	<ul style="list-style-type: none"> Rubber vulcanizing agent 	—
71-43-2	Benzene	<ul style="list-style-type: none"> Gasoline 	—
84-69-5	Di-isobutyl phthalate	<ul style="list-style-type: none"> Paint for equipment 	—
84-74-2	Dibutyl phthalate	<ul style="list-style-type: none"> Paint for equipment Adhesive agent Repair paint for car 	—
85-44-9	Acid phthalic anhydride	<ul style="list-style-type: none"> Paint for equipment Repair paint for car Sealant 	—
85-68-7	Butyl benzyl phthalate	<ul style="list-style-type: none"> Paint for equipment 	—
91-08-7	2,6-toluene diisocyanate	<ul style="list-style-type: none"> Urethane material Paint for equipment 	—
94-96-2	1,3-octanediol	<ul style="list-style-type: none"> Urethane material 	—
106-94-5	1-Bromopropane	<ul style="list-style-type: none"> Wash for equipment 	Prohibit new installation
109-86-4	Ethylene glycol monomethyl ether	<ul style="list-style-type: none"> Manufacturing of semiconductor Manufacturing of electronic parts Repair paint for car 	—
111-96-6	Diethylene glycol monomethyl ether	<ul style="list-style-type: none"> Resin material (electronic parts) 	—
117-81-7	Di(2-ethylhexyl) phthalate	<ul style="list-style-type: none"> Paint for automobile (instrument panel) Paint for equipment Adhesive agent 	—
137-26-8	Thiuram	<ul style="list-style-type: none"> Rubber vulcanizing agent 	—

307-35-7	Perfluoro (octane-1-sulfonyl) = fluoride	<ul style="list-style-type: none"> • Foam fire extinguishing agent • Resist for semiconductor • Etching agent • Photographic film for business 	Foam fire extinguishing agent is exempted until renewal of equipment
584-84-9	2,4-toluene diisocyanate	<ul style="list-style-type: none"> • Urethane material • Paint for equipment 	—
1319-77-3	Creosol (unspecified isomers)	<ul style="list-style-type: none"> • Manufacturing of semiconductor 	—
1763-23-1	Perfluoro (octane-1-sulfonic acid)	<ul style="list-style-type: none"> • Foam fire extinguishing agent • Resist for semiconductor • Etching agent • Photographic film for business 	Foam fire extinguishing agent is exempted until renewal of equipment
2551-62-4	Sulfur hexafluoride	<ul style="list-style-type: none"> • Manufacturing of semiconductor • Gas for insulated switchgear 	—
4098-71-9	Isophorone diisocyanate	<ul style="list-style-type: none"> • Urethane material 	—
10024-97-2	Nitrogen monoxide	<ul style="list-style-type: none"> • Manufacturing of semiconductor 	—
26471-62-5	Toluene diisocyanate (unspecified isomers)	<ul style="list-style-type: none"> • Urethane material • Paint for equipment 	—
T0151	Toluene diisocyanate	<ul style="list-style-type: none"> • Urethane material • Paint for equipment 	—
T0812	Perfluoro (octane-1-sulfonic acid) or its salt	<ul style="list-style-type: none"> • Foam fire extinguishing agent • Resist for semiconductor • Etching agent • Photographic film for business 	Foam fire extinguishing agent is exempted until renewal of equipment

4) If a banned substance is unintentionally contained in raw materials/subsidiary materials and cannot be prevented from being contained in a rational process, the substance of less than the threshold value is exempted only when it falls under the material names and target raw materials/subsidiary materials, shown in Table-2.

Table 2 List of exempted banned substances (content ratio threshold values) that are unintentionally contained

CAS№	Material name	Target raw materials and subsidiary materials	Content ratio threshold value
79-06-1	Acrylamide	Paint	1%
106-99-0	1,3-butadiene	LPG (butane gas, etc.)	0.50%
140-88-5	Ethyl acrylate	Paint	1%
4098-71-9	Isophorone diisocyanate	Paint/adhesive agent	1%

5) In a case, other than item 4) above, where a banned substance is unintentionally contained in raw materials/subsidiary materials, the banned substance is exempted when its content ratio is less than 0.1%.

6) If a biocide containing a banned substance is used, it is exempted only when the usage is for the purpose of exterminating sanitary insects (fly, mosquito, cockroach, flea, mite, etc.) and unpleasant pest insects (ant, bee, centipede, sow bug, stink bug, etc.).

7) Products that are mainly used for life of general consumers (household cleaner, adhesive agent for handiwork, etc.) are exempted.

8) Except substances by the number of carbon atoms

Table 3 Except substances by the number of carbon atoms

CAS№ Toyota №	Material name	Exemption
61788-76-9	Alkanes, chloro ; Chloroparaffins	More than 14 carbons
T0620	Chlorinated paraffins (Cl=20-70%)	More than 14 carbons