



Green Procurement Guidelines

(Rev. 10)

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NAKANISHI INC.

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1. Introduction

NAKANISHI INC. (hereinafter referred to “NSK”) promotes environmental activities based on our management policy of reducing the environmental impact of all our business activities, including research and development, manufacturing, sales, and service of ultra-high speed rotary equipment and realizing a healthy and prosperous society in harmony with nature.

NSK has established the Environmental Policy, and we are uniting our efforts to give consideration to the environment through all our products and activities in all business processes.

Based on this concept, we have clarified medium- to long-term targets and managed specific activity items and target values.

Among them, there is a wide range of issues that we must address, and we need to comprehensively assess the environmental impact of our products throughout their entire life cycle, from the "manufacturing" stage to the "use" stage, and then to the "reuse" and "return" stages as resources after the products have fulfilled their roles.

NSK promotes green procurement as one of our efforts at the “manufacturing” stage.

Green procurement refers to the procurement of products, parts, and materials with less environmental impact from suppliers who actively promote environmental conservation. In order to promote business activities that reduce the environmental impact and risks of hazardous chemical substances, it is necessary to carry out activities throughout the entire supply chain, and the cooperation of our business partners is essential.

We would like to ask our suppliers to understand and cooperate in green procurement for the creation of a sustainable society.

NAKANISHI INC.

Environmental Management System section,
General Administration Department

2. Purpose and Scope of Application

2-1 Purpose of Green Procurement

As various environmental issues such as global warming, resource depletion, and the destruction of ecosystems become more serious, demands and expectations for companies to reduce their environmental impact are increasing.

NSK contributes to the realization of a sustainable society by promoting manufacturing with the aim of reducing the environmental impact of our products throughout their life cycles through all business activities, including research and development, manufacturing, sales, and service.

As part of these activities, green procurement aims to procure products and services that have less environmental impact from suppliers who are actively engaged in environmental conservation activities, taking into account the proper use of chemical substances, conservation of ecosystems, energy conservation, resource conservation, and ease of recycling, decomposition, and disposal.

2-2 Scope of Green Procurement

This applies to the following delivered products.

Products (finished and semi-finished products)

Parts (electrical/electronic parts, mechanical parts, others)

Materials (metals, resins, others)

Subsidiary materials (adhesive, silicon, paint, ink, solder, others)

Packaging materials, printed materials (trays, bags, cushioning materials, tapes, printing ink, others)

3 Requirements of Green Procurement

In order to promote green procurement, NSK asks all of our suppliers to understand green procurement and cooperate with the following two things.

- To actively engage in environmental conservation activities
- To deliver products and materials with reduced environmental impact to NSK

Specifically, please check the following "Requests to suppliers" and "Reduction of environmental impact and management of chemical substances in delivered products" .

3-1 Requests to suppliers

- Compliance with environmental laws and regulations
- Establishment of environmental management system (EMS) and drafting, implementation, and operation of action plans

We believe that obtaining Eco Action 21 and international environmental certifications such as ISO 14001 is an effective way to operate EMS efficiently.

Therefore we recommend that our suppliers actively obtain and maintain these environmental certifications.

- Promotion of continuous improvement activities such as energy and resource conservation and the 3Rs (reduce, reuse and recycle).
- Establishment of a system for properly managing chemical substances contained in delivered products

We will confirm the above requests using the “Supplier Environmental Audit Check Sheet” in Table 1 when we start business with suppliers. If necessary, we will confirm them when we conduct on-site audits of our suppliers.

3-2 Reduction of environmental impact and management of chemical substances in delivered products

① Reduction of environmental impact

Regarding products delivered to NSK, please follow the items below to improve environmental performance.

We would also like to ask our suppliers for the same consideration when procuring raw materials and parts.

- Reduction of CO² emissions
 - Reduction of industrial waste generation
 - Proper use of chemical substances
 - Provision of environmental information on products and materials
- Although we do not request data on a regular basis, we will check the status of promotion when visiting our suppliers through on-site audits.

② Information management of chemical substances

With the support of our suppliers, NSK delivers environmentally friendly products to society. We would like to ask our suppliers in the upper stream of the supply chain to cooperate in the survey.

In consideration of customer requirements and laws and regulations related to medical devices, we divide the chemical substances to be controlled into two categories: "Prohibited Substances" and "Controlled Substances" to compile information on chemical substances contained in delivered products.

- Prohibited Substances: See Table 2
- Controlled Substances: See Table 3

In addition, we may ask our suppliers to understand and cooperate with the survey chemical substances used in the manufacturing, storage, and transportation phases until delivery, even if they are not finally contained in the delivered products.

③ Survey on chemical substance contained in products

NSK asks our suppliers for environmental considerations. Regarding chemical substances contained in products, we require our supplier to guarantee the non-inclusion of chemical substances.

If non-inclusion of chemical substances in products is indicated as a condition of purchase specifications, we request our supplier to submit the “non-use warranty” in Table 5 and chemSHERPA (A1) sheet.

"Non-inclusion" refers to the case where it has been clarified by reasonable procedures that the chemical substance is not contained or is below a predetermined threshold value in the homogeneous material, regardless of "intentional addition" or "unintentional contamination of impurities" .

a) Materials and data to be submitted

With regard to the formats for managing chemical substances contained in products, NSK is working to respond flexibly to the formats widely adopted by industry, with the first priority on the usability of our suppliers.

At present, we use the following formats as the basis for input.

<Survey format>

chemSHERPA(AI) sheet, non-use warranty

* The submission is based on the chemSHERPA (AI) sheet. However, if it is difficult to submit the chemSHERPA (AI) sheet due to a lack of an environment in which our suppliers can respond, the submission may be made using the “NSK Prohibited/Controlled Substances Investigation Sheet” .

* chemSHERPA : This is the format for transferring information on chemical substances contained in products provided by JAMP. chemSHERPA-AI is a survey format that deals with chemical substances contained in articles.

* Information such as SDS (Safety Data Sheet) and parts mass may be requested as necessary.

b) Non-use warranty

For "Prohibited Substances" in Table 2, please submit "Non-use Warranty" in Table 5 (distributed at the time of request for investigation).

In addition, please submit "Non-use Warranty" in Table 5, including information that can identify the product, such as the product name and product number, to be reported.

3-3 Guidelines for managing information on chemical substances contained in products

As the use of "Prohibited Substances" is basically banned by laws and regulations in Japan and abroad, it is necessary to guarantee "non-inclusion" from the viewpoint of legal compliance.

Regarding "Controlled Substances", it is necessary to appropriately manage the content information regardless of whether or not the chemical substances are contained in products.

3-4 In the event of a change in the chemical substance content information

In the event of any new inclusion in the delivered products or any change in the reported contents of the delivered products for any reason, please contact us immediately.

4. Revision of Green Procurement Guidelines

These Guidelines may be revised as follows. In that case, we will promptly notify our suppliers by e-mail or in writing.

- Change in laws, regulations, or customer requirements
- For parts that have been reported once, our Purchasing Department will inform our suppliers of the content of each change in the event of any change in the "Prohibited Substances" or "Controlled Substances" due to the revision of the law.

Based on the content, please use the specified form to answer the status of inclusion.

5. Contact information

NAKANISHI INC.

Environmental Management System section, General Administration
Department

☎ 0289-64-3380

Table1

Supplier Environmental Audit Check Sheet

Date of Audit: _____

Name of Supplier:	Department:	Person in charge:
Address:	Telephone:	FAX:

1. Have you obtained ISO14001 certification? (Circle the relevant alphabet.)

If the answer to 1 is A (obtained), the answers to 2 and 3 are not required.

	Self Evaluation		NSK Evaluation		
	Scope	Full	Score	Full	
A	Obtained (Copy of Certification attached)	Date of certificate Effective period	Notified Body Certificate No.	200	200
B	Plan to obtain	Planned audit	Notified Body	0	0
C	No plan to obtain			0	0

2. Other Environmental management other than ISO14001 (Eco-Action 21, Eco-Stage, KES, etc.)

If the answer to 2 is A (obtained), the answer to 3 is not required.

	Self Evaluation		NSK Evaluation		
	Scope	Full	Score	Full	
A	Obtained (Copy attached)	Notified Body	Certification Period	200	200
B	Plan to obtain	Notified Body	Planned Audit	0	0

3. Evaluation of environmental conservation (If the answers to 1 and 2 above are B or C, fill in the list below.)

※ Fill in scores in accordance with the standards defined in the attachment.

ISO14001	Checking Standards	Self Evaluation		NSK Evaluation	
		Scope	Full	Score	Full
Environmental Policy	① We have Environmental Policy independently or as part of the management policy.		10		10
	② We commit to legal compliance in ①.		20		20
	③ Environmental Policy has been documented and communicated to employees.		10		10
Planning	④ We conduct research and assessment of environmental load of our business.		20		20
	⑤ We examine and comply with laws and regulations in relation to the environment.		10		10
	⑥ We have targets and action plans to reduce the environmental load.		10		10
Implementation and Operation	⑦ We have under control energy, waste, and other environmental load and try to make improvements.		10		10
	⑧ We properly manage and handle chemical substances and their compounds in production processes for use, storage, review, and report according to legal requirements and SDS (Safety Data Sheet)		10		10
	⑨ We have implemented Green Procurement for parts and products that your company purchase.		10		10
	⑩ We request our suppliers to conduct research for chemical substances regarding our parts and products that your company purchase.		10		10
	⑪ We have a system by which we can respond to NSK's request in a timely manner.		10		10
	⑫ We have a system by which we promptly inform NSK of any change in material and manufacturing process of parts and products that we deliver to NSK.		10		10
	⑬ We have made it clear which department and which person should be responsible for environmental management of our company.		10		10
	⑭ We provide education and training to employees engaged in work with possible serious impact like pollution on environmental conservation and confirm their capabilities.		10		10
	⑮ We have procedures to deal with and communicate to employees regarding environmental information, (policy, action plan, administrative guidance from authorities and other public institutions, revisions of laws and regulations, research request from business partners, complaint from community, etc.)		10		10
	⑯ We have an emergency response system regarding environmental conservation.		10		10
Monitoring	⑰ The progress of the plan and achievement of the target are periodically monitored.		10		10
Management Review	⑱ We report the conservation activities to the management and make improvements to them, if any problem is pointed out.		10		10
Total score for 3			200		200

-----For NSK-----

4. Conclusion		Approval	Audit Leader

Evaluation Standard A: 200~120 points Business Expansion/Continuation, B: 119~40 points Request for Improvement
 C: 39~0 points Business Termination/Conditional Continuation

別表-2 [Table-2]
株式会社 ナカニシ 使用禁止物質一覧 [NAKANISHI INC. Prohibited Substances]

■EU RoHS指令物質 [EU RoHS Directive]

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No	化学物質名	Chemical substances	CAS No	含有濃度の閾値 [Threshold level]	参照法令 Main relevant regulations
1	カドミウム及びその化合物	Cadmium and its compounds	-	100ppm以下 100ppm or less	RoHS指令 (EU) RoHS directive (EU)
2	鉛およびその化合物	Lead and its compounds	-	1000ppm以下 1000ppm or less	RoHS指令 (EU) RoHS directive (EU)
3	水銀及びその化合物	Mercury and its compounds	-	1000ppm以下 1000ppm or less	RoHS指令 (EU) RoHS directive (EU)
4	六価クロム化合物	Hexavalent chromium compounds	-	1000ppm以下 1000ppm or less	RoHS指令 (EU) RoHS directive (EU)
5	ポリ臭化ビフェニール類 (PBB類)	Polybrominated biphenyls (PBBs)	-	1000ppm以下 1000ppm or less	RoHS指令 (EU) RoHS directive (EU)
6	ポリ臭化ジフェニールエーテル類 (PBDE類)	Polybrominated diphenyl ethers (PBDEs)	-	1000ppm以下 1000ppm or less	RoHS指令 (EU) RoHS directive (EU)
7	フタル酸-2-エチルヘキシル (DEHP)	Bis (2-ethylhexyl) phthalate	117-81-7	1000ppm以下 1000ppm or less	RoHS指令 (EU) RoHS directive (EU) カテゴリ-8と9は除く Category 8 and 9 are removed.
8	フタル酸ブチルベンジル (BBP)	Butyl benzyl phthalate	85-68-7	1000ppm以下 1000ppm or less	RoHS指令 (EU) RoHS directive (EU) カテゴリ-8と9は除く Category 8 and 9 are removed.
9	フタル酸ジブチル (DBP)	Dibutyl phthalate	84-74-2	1000ppm以下 1000ppm or less	RoHS指令 (EU) RoHS directive (EU) カテゴリ-8と9は除く Category 8 and 9 are removed.
10	フタル酸ジイソブチル (DIBP)	Diisobutyl phthalate	84-69-5	1000ppm以下 1000ppm or less	RoHS指令 (EU) RoHS directive (EU) カテゴリ-8と9は除く Category 8 and 9 are removed.

■RoHS exemption

The RoHS Directive stipulates "exempted uses" that permit the inclusion of prohibited substances for use that cannot be technically substituted.

The revised RoHS Directive (2011/65/EU: RoHS2) has two types of lists: AnnexIII and AnnexIV.

Please check the latest lists and strictly observe that prohibited substances do not contain more than the allowable amount.

■ナカニシ 使用禁止物質 [NAKANISHI INC. Prohibited substances]

Rev.10 (1/2 page)

No	化学物質名	Chemical substances	CAS No	含有濃度の閾値 [Threshold level]	参照法令
11	アスベスト類	Asbestos	-	意図的な使用禁止 かつ、1000ppm以下 Intentional use is prohibited, however, 1000ppm or less as tin	「REACH規制 (EU)」 「REACH regulation (EU)」
12	有機錫化合物:トリブチル錫類 (TBT)、 トリフェニル錫類 (TPT)、	Tributyl Tin (TBT) and Triphenyl Tin (TPT)	-	意図的な使用禁止 かつ、スズとして 1000ppm以下 Intentional use is prohibited, however, 1000ppm or less as tin	「化学物質の審査及び製造等の規制に 関する法律 (第一種特定化学物質)」 「Japan Chemical Examination Law/Type 1 specified chemical substances」 「REACH規制 (EU)」 「REACH regulation (EU)」
13	ジブチルスズ化合物 (DBT類)、 ジオクチルスズ化合物 (DOT類)	Dibutyltin (DBT) compounds Diocetyl tin (DOT) compounds	-	スズとして1000ppm 以下 1000ppm or less as tin	「REACH規制 (EU)」 「REACH regulation (EU)」
14	有機錫化合物:酸化トリブチル錫類 (TBTO)	Bis(tributyltin)oxide (TBTO)	56-35-9	意図的な使用禁止 Intentional use is prohibited	「REACH規制 (EU)」 「REACH regulation (EU)」
15	デカ-BDE	Deca-BDE	1163-19-5	意図的な使用禁止 Intentional use is prohibited	「REACH規制 (EU)」 「REACH regulation (EU)」
16	ポリ塩化ビフェニール類 (PCB類)	Polychlorinated Biphenyls (PCBs)	-	意図的な使用禁止 Intentional use is prohibited	「化学物質の審査及び製造等の規制に 関する法律 (第一種特定化学物質)」 「Japan Chemical Examination Law/Type 1 specified chemical substances」 「POPs」
17	ポリ塩化ターフェニール類 (PCT類)	Polychlorinated Terphenyls (PCTs)	61788-33-8	意図的な使用禁止 Intentional use is prohibited	「REACH規制 (EU)」 「REACH regulation (EU)」
18	ポリ塩化ナフタレン類 (塩素数が2以上)	Polychlorinated naphthalenes (more than 2 chlorine atoms)	-	意図的な使用禁止 Intentional use is prohibited	「化学物質の審査及び製造等の規制に 関する法律 (第一種特定化学物質)」 「Japan Chemical Examination Law/Type 1 specified chemical substances」

No	化学物質名	Chemical substances	CAS No	含有濃度の閾値 [Threshold level]	参照法令
19	短鎖型塩化パラフィン	Alkanes, C10-13, chloro	-	意図的な使用禁止 Intentional use is prohibited	「POPs」 「REACH規制(EU)」 「REACH regulation (EU)」
20	特定アミンを生成するアゾ染料・顔料	Azocolourants and azodyes which form certain aromatic amines	-	意図的な使用禁止 Intentional use is prohibited	「REACH規制(EU)」 「REACH regulation (EU)」
21	オゾン層破壊物質(HCFCを除く)	Ozone Depleting Substances	-	意図的な使用禁止 Intentional use is prohibited	「モントリオール議定書」 Montreal Protocol on Substances that Deplete the Ozone Layer
22	PFOS(パーフルオロオクタンスルホン酸)、 PFOA(ヘキサフルオロオクタン酸)	Perfluorooctane sulfonates、 Perfluorooctanoic acid	-	意図的な使用禁止 Intentional use is prohibited	「化学物質の審査及び製造等の規制に関する法律(第一種特定化学物質)」 「Japan Chemical Examination Law/Type 1 specified chemical substances」 「POPs」
23	フッ素系温室効果ガス(HFC、PFC、SF6)	Fluorinated greenhouse gases (PFC, SF6, HFC)	-	意図的な使用禁止 Intentional use is prohibited	-
24	HCB(ヘキサクロロベンゼン)	Hexachlorobenzene	-	意図的な使用禁止 Intentional use is prohibited	「化学物質の審査及び製造等の規制に関する法律(第一種特定化学物質)」 「Japan Chemical Examination Law/Type 1 specified chemical substances」 「REACH規制(EU)」 「REACH regulation (EU)」 「CLP規則」、 「Regulation on Classification, Labelling and Packaging of substances and mixtures」 「POPs」
25	放射性物質	Radioactive substances	-	意図的な使用禁止 Intentional use is prohibited	-
26	特定ベンゾトリアゾール (第一種特定化学物質)	Specified benzotriazole	3846-71-7	意図的な使用禁止 Intentional use is prohibited	「化学物質の審査及び製造等の規制に関する法律(第一種特定化学物質)」 「Japan Chemical Examination Law/Type 1 specified chemical substances」 「REACH規制(EU)」 「REACH regulation (EU)」
27	ジメチル fumarate (DMF)	Dimethyl fumarate	624-49-7	1000ppm 1000ppm or less as tin	「REACH規制(EU)」 「REACH regulation (EU)」
28	ホルムアルデヒド	Formaldehyde	50-00-0	意図的な使用禁止 Intentional use is prohibited	-

別表-3 [Table-3]
株式会社ナカニシ 使用管理物質一覧 [NAKANISHI INC. Controlled Substances]

REACH認可対象候補物質 (SVHC) 22次 [Candidate substances for authorization under REACH (SVHC)]				Rev.10 (1/4page)
No.	化学物質名	Chemical substances	CAS No.※2	Date of inclusion
1	フッ化カドミウム、カドミウムジフルオリド	Cadmium fluoride	7790-79-6	2014/12/17
2	硫酸カドミウム(Ⅱ)、硫酸カドミウム(Ⅱ)無水物・水和物	Cadmium sulphate	10124-36-4; 31119-53-6	2014/12/17
3	2-ベンゾトリアゾール-2-イル-4,6-ジ-tert-ブチルフェノール(UV-320)	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	2014/12/17
4	2-(2H-ベンゾトリアゾール-2-イル)-4,6-ジ-tert-ペンチルフェノール(UV-328)	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	2014/12/17
5	10-エチル-4,4'-ジオクチル-7-オキソ-8-オキサ-3,5-ジチア-4-スタンナテトラデカン酸2-エチルヘキシル	2-ethylhexyl 10-ethyl-4,4'-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	2014/12/17
6	10-エチル-4,4'-ジオクチル-7-オキソ-8-オキサ-3,5-ジチア-4-スタンナテトラデカン酸2-エチルヘキシルと10-エチル-4-[[2-[[2-(エチルヘキシル)オキシ]-2-オキソエチル]チオ]-4-オクチル-7-オキソ-8-オキサ-3,5-ジチア-4-スタンナテトラデカン酸2-エチルヘキシルの反応生成物(DOTEとMOTEの反応生成物)※	reaction mass of 2-ethylhexyl 10-ethyl-4,4'-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[[2-(ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)※	-	2014/12/17
7	1,2-ベンゼンジカルボン酸、ジヘキシルエステル、分岐および直鎖	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	2014/6/16
8	ジクロロカドミウム	Cadmium chloride	10108-64-2	2014/6/16
9	過ホウ酸ナトリウム; 過ホウ酸、ナトリウム塩	Sodium perborate; perboric acid, sodium salt	-	2014/6/16
10	ペルオキシホウ酸ナトリウム、過ホウ酸ナトリウム	Sodium peroxometaborate	7632-04-4	2014/6/16
11	硫化カドミウム、硫化カドミウム(Ⅱ)、カドミウムスルフィド	Cadmium sulphide	1306-23-6	2013/12/16
12	フタル酸ジヘキシル、ジヘキシルフタレート、フタル酸ジ-n-ヘキシル	Dihexyl phthalate	84-75-3	2013/12/16
13	3,3'-[[1,1'-ビフェニル]-4,4'-ジイルビス(アゾ)]ビス(4-アミノナフタレン-1-スルホネート)ナトリウム、コンゴレード(C.I.ダイレクトレッド 28)	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	2013/12/16
14	4-アミノ-3-[[4'-[[2,4-ジアミノフェニル]アゾ]-[1,1'-ビフェニル]-4-イル]アゾ]-5-ヒドロキシ-6-(フェニルアゾ)ナフタレン-2,7-ジスルホネートナトリウム、クロラゾールブラック E (C.I.ダイレクトレッド 38)	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)	1937-37-7	2013/12/16
15	イミダゾリジン-2-チオン、2-イミダゾリジンチオン、N,N'-エチレンチオ尿素; 2-イミダゾリジン-2-チオール	Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7	2013/12/16
16	酢酸鉛(Ⅱ)、ビス酢酸鉛(Ⅱ)、二酢酸鉛(Ⅱ)	Lead di(acetate)	301-04-2	2013/12/16
17	リン酸トリキシルニル、トリ(ジメチルフェニル)ホスフェート、リン酸トリス(ジメチルフェニル)	Trixylyl phosphate	25155-23-1	2013/12/16
18	カドミウム	Cadmium	7440-43-9	2013/06/20
19	ペンタデカフルオロオクタノ酸アンモニウム	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	2013/06/20
20	ペルフルオロオクタノ酸	Pentadecafluorooctanoic acid (PFOA)	335-67-1	2013/06/20
21	フタル酸ジペンチル	Dipentyl phthalate (DPP)	131-18-0	2013/06/20
22	4-ノニルフェノール、分岐および直鎖のエトキシレート	4-Nonylphenol, branched and linear, ethoxylated	-	2013/06/20
23	酸化カドミウム(Ⅱ)	Cadmium oxide	1306-19-0	2013/06/20
24	ピグメントエロー41; C. I. ピグメントイエロー41	Pyrochlore, antimony lead yellow	8012-00-8	2012/12/19
25	6-メトキシ-m-トルイジン	6-methoxy-m-toluidine (p-cresidine)	120-71-8	2012/12/19
26	ペルフルオロウンデカノ酸	Henicosaflluoroundecanoic acid	2058-94-8	2012/12/19
27	メチルヘキサヒドロ無水フタル酸 [1]、4-メチルシクロヘキサン-1, 2-ジカルボン酸無水物、4-メチルヘキサヒドロ無水フタル酸 [2]、1-メチルヘキサヒドロ無水フタル酸 [3]、3-メチルヘキサヒドロ無水フタル酸 [4]	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	2012/12/19
28	ヘキサヒドロフタル酸無水物; 1, 2-シクロヘキサンジカルボン酸無水物 [1]、シス-1, 2-シクロヘキサンジカルボン酸無水物; ヘキサヒドロフタル酸無水物 [2]、ヘキサヒドロフタル酸無水物; トランス1, 2-シクロヘキサンジカルボン酸無水物 [3]	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomer	85-42-7, 13149-00-3, 14166-21-3	2012/12/19
29	ジブチルスズジクロライド; DBTC	Dibutyltin dichloride (DBTC)	683-18-1	2012/12/19
30	ホウフッ化鉛; 四フッ化ホウ酸鉛(Ⅱ)	Lead bis(tetrafluoroborate)	13814-96-5	2012/12/19
31	硝酸鉛; 硝酸鉛(Ⅲ)	Lead dinitrate	10099-74-8	2012/12/19
32	ケイ酸と鉛の塩	Silicic acid, lead salt	11120-22-2	2012/12/19
33	p-アミノアゾベンゼン; 4-アミノアゾベンゼン; 4-フェニルアゾアニリン	4-Aminoazobenzene	60-09-3	2012/12/19
34	ジルコニウムチタン酸鉛; 三酸化ジルコニウムチタン鉛	Lead titanium zirconium oxide	12626-81-2	2012/12/19
35	一酸化鉛; 酸化鉛(Ⅱ)	Lead monoxide (lead oxide)	1317-36-8	2012/12/19
36	o-トルイジン	o-Toluidine	95-53-4	2012/12/19
37	3-エチル-2-メチル-2-(3-メチルブチル)-1,3-オキサゾリジン	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	2012/12/19
38	ケイ酸とバリウムの塩(1:1) (鉛ドープ)	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped	68784-75-8	2012/12/19
39	炭酸鉛; 水酸化炭酸鉛(Ⅱ)	Trilead bis(carbonate)dihydroxide	1319-46-6	2012/12/19
40	フラン	Furan	110-00-9	2012/12/19
41	ジメチルホルムアミド; N, N-ジメチルホルムアミド	N,N-dimethylformamide	68-12-2	2012/12/19
42	エトキシ化された4-(1,1,3,3-テトラメチルブチル)フェノール [明確に定義された物質、UVCB物質は、ポリマー及び同族体を含む]	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	2012/12/19
43	4-ノニルフェノール [フェノールの4の位置に 直鎖又は分岐の炭素数が9のアルキル基が共有結合した物質。UVCBと明確に定義された個々の異性体とその混合物を含む。]	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 c	-	2012/12/19
44	4, 4'-メチレニビス(o-トルイジン)、4, 4'-メチレニビス(2-メチルアニリン)	4,4'-methylenedi-o-toluidine	838-88-0	2012/12/19
45	硫酸ジエチル	Diethyl sulphate	64-67-5	2012/12/19
46	硫酸ジメチル	Dimethyl sulphate	77-78-1	2012/12/19
47	塩基性硫酸鉛	Lead oxide sulfate	12036-76-9	2012/12/19
48	チタン酸鉛	Lead titanium trioxide	12060-00-3	2012/12/19
49	塩基性酢酸鉛	Acetic acid, lead salt, basic	51404-69-4	2012/12/19
50	[1, 2-ベンゼンジカルボキシラト(2-)]ジオキソ三鉛; ジオキソ(フタラト)三鉛	[Phthalato(2-)]dioxotrilead	69011-06-9	2012/12/19
51	デカブロモジフェニルエーテル	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	2012/12/19
52	N-メチルアセトアミド	N-methylacetamide	79-16-3	2012/12/19
53	ジノセブ; 2-sec-ブチル-4, 6-ジニトロフェノール	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	2012/12/19
54	エチレンジオキシエタン	1,2-Diethoxyethane	629-14-1	2012/12/19

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55	塩基性硫酸鉛; 三塩基性硫酸鉛; 三塩基性硫酸鉛(Pb4O3(S	Tetralead trioxide sulphate	12202-17-4	2012/12/19
56	フタル酸N-ベンチル-イソペンチル; N-ベンチル-イソペンチル	N-pentyl-isopentylphthalate	77629-69-9	2012/12/19
57	ジオキソビス(ステアリン酸)三鉛	Dioxobis(stearate)trilead	12578-12-0	2012/12/19
58	四エチル鉛	Tetraethyllead	78-00-2	2012/12/19
59	塩基性硫酸鉛	Pentalead tetraoxide sulphate	12065-90-6	2012/12/19
60	ペルフルオロトリデカン酸	Pentacosafuorotridecanoic acid	72629-94-8	2012/12/19
61	ペルフルオロドデカン酸	Tricosafuorododecanoic acid	307-55-1	2012/12/19
62	ペルフルオロテトラデカン酸	Heptacosafuorotetradecanoic acid	376-06-7	2012/12/19
63	1-ブロモプロパン; 臭化 n-プロピル	1-bromopropane (n-propyl bromide)	106-94-5	2012/12/19
64	メトキシ酢酸	Methoxyacetic acid	625-45-6	2012/12/19
65	2, 4-ジアミノトルエン	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	2012/12/19
66	酸化プロピレン	Methyloxirane (Propylene oxide)	75-56-9	2012/12/19
67	二塩基性リン酸鉛	Trilead dioxide phosphonate	12141-20-7	2012/12/19
68	2-アミノ-5-アゾトルエン; o-アミノアゾトルエン	o-aminoazotoluene	97-56-3	2012/12/19
69	フタル酸n-ベンチル-イソペンチル; 1, 2-ベンゼンジカルボン酸、ジベンチルエステル、分岐および直鎖	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	2012/12/19
70	4, 4'-ジアミノジフェニルエーテル; 4, 4'-オキシジアニリン及びその塩	4,4'-oxydianiline and its salts	101-80-4	2012/12/19
71	四三酸化鉛	Orange lead (lead tetroxide)	1314-41-6	2012/12/19
72	4-アミノビフェニル; ビフェニル-4-イルアミン	Biphenyl-4-ylamine	92-67-1	2012/12/19
73	フタル酸ジイソペンチル; DIPP	Diisopentylphthalate	605-50-5	2012/12/19
74	脂肪酸鉛塩(炭素数C16-18)	Fatty acids, C16-18, lead salts	91031-62-8	2012/12/19
75	アゾジカルボキサミド; ジアゼン-1,2-ビスカルボキサミド	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	2012/12/19
76	塩基性亜硫酸鉛	Sulfurous acid, lead salt, dibasic	62229-08-7	2012/12/19
77	シアナミド鉛	Lead cyanamidate	20837-86-9	2012/12/19
78	[4-[4, 4'-ビス(ジメチルアミノ)ベンズヒドリデン]シクロヘキサ-2, 5, -ジエン-1-イルイデン]ジメチルアンモニウムクロリド (C. I. ベーシックバイオレット3)	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9	2012/06/18
79	1, 3, 5-トリス[(2S and 2R)-2, 3-エポキシプロピル]-1, 3, 5-トリアジン-2, 4, 6-(1H,3H,5H)-トリオン(β-TGIC)	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	59653-74-6	2012/06/18
80	1,2-ビス(2-メトキシエトキシ)エタン (TEGDME; トリグリム)	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	2012/06/18
81	4, 4'-ビス(ジメチルアミノ)-4''-(メチルアミノ)トリチルアルコール	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	2012/06/18
82	鉛(II)=ジメタンスルホナート	Lead(II) bis(methanesulfonate)	17570-76-2	2012/06/18
83	1, 2-ジメトキシエタン; エチレングリコールジメチルエーテル(EGDME)	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	2012/06/18
84	三酸化二ホウ素; 酸化ホウ素	Diboron trioxide	1303-86-2	2012/06/18
85	α, α'-ビス[4-(ジメチルアミノ)フェニル]-4(フェニルアミノ)ナフタレン-1-メタノール (C. I. ソルベントブルー-4)	α, α'-Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	2012/06/18
86	1, 3, 5-トリス(オキシラン-2-イルメチル)-1, 3, 5-トリアジン-2, 4, 6-トリオン (TGIC)	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	2012/06/18
87	4, 4'-ビス(ジメチルアミノ)ベンゾフェノン (ミヒラーズケト)	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	2012/06/18
88	N, N, N', N'-テトラメチル-4, 4'-メチレンジアニリン (ミヒラーズベース)	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	2012/06/18
89	[4-[4-アニリノ-1-1ナフチル][4-(ジメチルアミノ)フェニル]メチレン]シクロヘキサ-2, 5-ジエン-1-イルイデンジメチルアンモニウムクロリド (C. I. ベーシックブルー-26)	[4-[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5	2012/06/18
90	ホルムアミド	Formamide	75-12-7	2012/06/18
91	4-(1, 1, 3, 3-テトラメチルブチル)フェノール; 4-(tert-オクチル)フェノール; 4-(2, 4, 4-トリメチルペンタン-2-イル)フェノール	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	2011/12/19
92	N, N-ジメチルアセトアミド	N,N-dimethylacetamide	127-19-5	2011/12/19
93	フェノールフタレイン	Phenolphthalein	77-09-8	2011/12/19
94	二アジ化鉛(II); アジ化鉛(II)	Lead diazide, Lead azide	13424-46-9	2011/12/19
95	鉛(II)=ジピクラート; ピクリン酸鉛(II)	Lead dipicrate	6477-64-1	2011/12/19
96	ビス(ヒ酸)三カルシウム; ヒ酸カルシウム	Calcium arsenate	7778-44-1	2011/12/19
97	1, 2-ジクロロエタン	1,2-dichloroethane	107-06-2	2011/12/19
98	トリス(クロム酸)ニクロム(III)	Dichromium tris(chromate)	24613-89-6	2011/12/19
99	2-メトキシアニリン; o-アニシジン	2-Methoxyaniline; o-Anisidine	90-04-0	2011/12/19
100	クロム酸八水酸化五亜鉛	Pentazine chromate octahydroxide	49663-84-5	2011/12/19
101	ヒ酸; オルトヒ酸	Arsenic acid	7778-39-4	2011/12/19
102	ビス(クロム酸)水酸化二亜鉛(II)カリウム	Potassium hydroxyoctaoxidizincatedichromate	11103-86-9	2011/12/19
103	ホルムアルデヒドとアニリンの重合体	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	2011/12/19
104	鉛(II)=2, 4, 6-トリニトロベンゼン-1, 3-ジオラート	Lead styphnate	15245-44-0	2011/12/19
105	ビス(ヒ酸)三鉛(II); ヒ酸鉛(II)	Trilead diarsenate	3687-31-8	2011/12/19
106	ジルコニアアルミノシリケート耐熱セラミック繊維 (JAMP-	Zirconia Aluminosilicate Refractory Ceramic Fibres		2011/12/19
107	アルミノシリケート耐熱セラミック繊維 (JAMP-SN0007)	Aluminosilicate Refractory Ceramic Fibres		2011/12/19
108	ビス(2-メトキシエチル)=フタラート	Bis(2-methoxyethyl) phthalate	117-82-8	2011/12/19
109	1-メトキシ-2-(2-メトキシエトキシ)エタン; ジエチレングリコールジメチルエーテル	Bis(2-methoxyethyl) ether	111-96-6	2011/12/19
110	2, 2'-ジクロロ-4, 4'-メチレンジアニリン	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	2011/12/19
111	塩化コバルト(II)	Cobalt dichloride	7646-79-9	2011/06/20 - 2008/10/28
112	フタル酸ジイソヘプチル	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	2011/06/20
113	クロム酸ストロンチウム(II)	Strontium chromate	7789-06-2	2011/06/20
114	フタル酸ヘプチルノニルウンデシル	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	2011/06/20
115	N-メチル-2-ピロリドン	1-Methyl-2-pyrrolidone	872-50-4	2011/06/20
116	1, 2, 3-トリクロロプロパン	1,2,3-Trichloropropane	96-18-4	2011/06/20
117	酢酸2-エトキシエチル	2-Ethoxyethyl acetate	111-15-9	2011/06/20
118	ヒドラジン; ヒドラジナー水和物	Hydrazine	302-01-2, 7803-57-8	2011/06/20
119	酢酸コバルト(II)	Cobalt(II) diacetate	71-48-7	2010/12/15
120	硫酸コバルト(II)	Cobalt(II) sulphate	10124-43-3	2010/12/15
121	2-エトキシエタノール	2-Ethoxyethanol	110-80-5	2010/12/15
122	2-メトキシエタノール	2-Methoxyethanol	109-86-4	2010/12/15
123	酸化クロム(VI)	Chromium trioxide	1333-82-0	2010/12/15

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124	クロム酸および重クロム酸のオリゴマー (JAMP-SN0071)	Acids generated from chromium trioxide and their oligomers. Group containing: Chromic acid, Dichromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid	7738-94-5, 13530-68-2	2010/12/15
125	炭酸コバルト (II)	Cobalt(II) carbonate	513-79-1	2010/12/15
126	硝酸コバルト (II)	Cobalt(II) dinitrate	10141-05-6	2010/12/15
127	三塩化エチレン	Trichloroethylene	79-01-6	2010/06/18
128	ヘプタオキシドニクロム酸ニカリウム	Potassium dichromate	7778-50-9	2010/06/18
129	七酸化二ナトリウム四ホウ素水和物	Tetraboron disodium heptaoxide, hydrate	12267-73-1	2010/06/18
130	ヘプタオキシドニクロム酸二アンモニウム	Ammonium dichromate	7789-09-5	2010/06/18
131	ホウ酸	Boric acid	10043-35-3, 11113-50-1	2010/06/18
132	クロム酸ナトリウム	Sodium chromate	7775-11-3	2010/06/18
133	硼砂/七酸化二ナトリウム四ホウ素/七酸化二ナトリウム四ホウ素五水和物	Disodium tetraborate, anhydrous	1303-96-4, 1330-43-4, 12179-04-3	2010/06/18
134	テトラオキシドクロム酸ニカリウム	Potassium chromate	7789-00-6	2010/06/18
135	アクリルアミド	Acrylamide	79-06-1	2010/03/30
136	硫クロム酸鉛黄色 (CIピグメントイエロー34)	Lead sulphochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	2010/01/13
137	クロム酸モリブデン亜硫酸鉛赤 (CIピグメントレッド104)	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	2010/01/13
138	アントラセン油	Anthracene oil	90640-80-5	2010/01/13
139	2,4-ジニトロトルエン	2,4-Dinitrotoluene	121-14-2	2010/01/13
140	アントラセン油、アントラセンペースト、アントラセン留分	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	2010/01/13
141	アントラセン油、アントラセン低	Anthracene oil, anthracene-low	90640-82-7	2010/01/13
142	トリス(2-クロロエチル)ホスフェート/リン酸トリ(2-クロロエチル)	Tris(2-chloroethyl)phosphate	115-96-8	2010/01/13
143	ジイソブチルフタレート/フタル酸ジイソブチル	Diisobutyl phthalate	84-69-5	2010/01/13
144	クロム酸鉛	Lead chromate	7758-97-6	2010/01/13
145	アントラセン油、アントラセンペースト	Anthracene oil, anthracene paste	90640-81-6	2010/01/13
146	コールタールピッチ	Pitch, coal tar, high temp.	65996-93-2	2010/01/13
147	アントラセン油、アントラセンペースト、軽質留分	Anthracene oil, anthracene paste, distn. lights	91995-17-4	2010/01/13
148	砒酸水素鉛	Lead hydrogen arsenate	7784-40-9	2008/10/28
149	フタル酸ブチルベンジル/BBP	Benzyl butyl phthalate (BBP)	85-68-7	2008/10/28
150	フタル酸ビス(2-エチルヘキシル)/DEHP	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	2008/10/28
151	2,4,6-トリニトロ-5-tert-ブチル-1,3-キシレン/ムスクキシレン	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	2008/10/28
152	ビス(トリブチル)チン酸/TBTO	Bis(tributyltin)oxide (TBTO)	56-35-9	2008/10/28
153	三酸化二砒素	Diarsenic trioxide	1327-53-3	2008/10/28
154	重クロム酸ナトリウム・2水和物/重クロム酸ナトリウム	Sodium dichromate	7789-12-0, 10588-01-9	2008/10/28
155	砒酸エチルエステル/ヒ酸トリエチル	Triethyl arsenate	15606-95-8	2008/10/28
156	五酸化二砒素	Diarsenic pentaoxide	1303-28-2	2008/10/28
157	フタル酸ジブチル/DBP	Dibutyl phthalate (DBP)	84-74-2	2008/10/28
158	4,4'-ジアミノジフェニルメタン	4,4'- Diaminodiphenylmethane (MDA)	101-77-9	2008/10/28
159	塩素化パラフィン (短鎖) (C=10-13)	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	2008/10/28
160	アントラセン	Anthracene	120-12-7	2008/10/28
161	1,2,5,6,9,10-ヘキサブromoシクロドデカン	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	25637-99-4, 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	2008/10/28
162	1,2-ベンゼンジカルボン酸、ジ-C6~10-アルキルエステル; 1,2-ベンゼンジカルボン酸、デシル・ヘキシル・オクチルジエステルと0.3%以上のフタル酸ジヘキシル	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	271-094-0, 272-013-1	2015/6/15
163	5-sec-ブチル-2-(2,4-ジメチルシクロヘキサ-3-エン-1-イル)-5-メチル-1,3-ジオキサン[1], 5-sec-ブチル-2-(4,6-ジメチルシクロヘキサ-3-エン-1-イル)-5-メチル-1,3-ジオキサン[2] ([1]と[2]の個々の立体異性体、またはその組合せも含む)	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 stereoisomers of [1] and [2] or any combination thereof]	-	2015/6/15
164	ニトロベンゼン	Nitrobenzene	98-95-3	2015/12/17
165	2,4-ジ-tert-ブチル-6-(5-クロロベンゾトリアゾール-2-イル)フェノール (UV-327)	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	2015/12/17
166	2-(2H-ベンゾトリアゾール-2-イル)-4-(tert-ブチル)-6-(sec-ブチル)フェノール (UV-350)	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	2015/12/17
167	1,3-プロパンスルトン	1,3-propanesultone	1120-71-4	2015/12/17
168	パーフルオロノナン-1-酸 (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-ヘプタデカフルオロノナン酸、その塩とアンモニウム塩)	Perfluorononan-1-oic acid(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-heptadecafluorononanoic acid and its sodium and ammonium salts	375-95-1, 21049-39-8, 4149-60-4	2015/12/17
169	ベンゾ[def]クリセン (ベンゾ[a]ピレン)	Benzo[def]chrysen (Benzo[a]pyrene)	50-32-8	2016/6/20
170	4,4'-イソプロピリデニルフェノール (ビスフェノールA)	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	2017/1/12(16次リスト)
171	4-ヘプチルフェノール、分岐および直鎖 [主にフェノールの4位の位置に、炭素数7の直鎖又は分岐型アルキル鎖が共有結合している物質で、個々の異性体やその組合せを任意に含む、UVCB及び組成が特定されている物質を対象とする]	4-Heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	-	2017/1/12(16次リスト)
172	ノナデカフルオロデカン酸(PFDA)及びそのナトリウム塩及びアンモニウム塩 ・ノナデカフルオロデカン酸(ペルフルオロデカン酸)(335-76-2) ・ノナデカフルオロデカン酸ナトリウム(3830-45-3) ・ノナデカフルオロデカン酸アンモニウム(3108-42-7)	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2 3830-45-3 3108-42-7	2017/1/12(16次リスト)
173	4-tert-ブチルフェノール (p-tert-アミルフェノール)	p-(1,1-dimethylpropyl)phenol	80-46-6	2017/1/12(16次リスト)

REACH認可対象候補物質 (SVHC) 22次 [Candidate substances for authorization under REACH (SVHC)]

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No.	化学物質名	Chemical substances	CAS No ※2	Date of inclusion
174	トリデカフルオロ-1-ヘキサンスルホン酸、ペルフルオロヘキサンスルホン酸、パーフルオロヘキサンスルホン酸とその塩	Perfluorohexane-1-sulphonic acid and its salts	355-46-4	2017/7/10(17次リスト)
175	クリセン、ベンゾ[a]フェナントレン	Chrysene	218-01-9 (1719-03-5)	2018/1/15(18次リスト)
176	ベンゾ[a]アントラセン	Benz[a]anthracene	56-55-3 (1718-53-2)	2018/1/15(18次リスト)
177	硝酸カドミウム	Cadmium nitrate	10325-94-7 (10022-68-1)	2018/1/15(18次リスト)
178	水酸化カドミウム	Cadmium hydroxide	21041-95-2	2018/1/15(18次リスト)
179	炭酸カドミウム	Cadmium carbonate	513-78-0	2018/1/15(18次リスト)
180	1,6,7,8,9,14,15,16,17,17,18,18-ドデカクロロペンタシクロ [12.2.1.16.9.02.13.05.10]オクタデカ-7,15-ジエン ("デクロランプラス"™) [個々のanti-およびsyn-の異性体、またはその組合せを含む]	1,6,7,8,9,14,15,16,17,17,18,18- Dodecachloropentacyclo [12.2.1.16.9.02.13.05.10] octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	2018/1/15(18次リスト)
181	1,3,4-チアジアゾリジン-2,5-ジチオン、ホルムアルデヒド、4-ヘプチルフェノール、分岐および直鎖 (RP-HP) [0.1wt%以上の4-ヘプチルフェノール、分岐および直鎖]の反応性生物	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear	-	2018/1/15(18次リスト)
182	オクタメチルシクロテトラシロキサン(D4)	Octamethylcyclotetrasiloxane (D4)	556-67-2	2018/6/27(19次リスト)
183	デカメチルシクロペンタシロキサン(D5)	Decamethylcyclopentasiloxane (D5)	541-02-6	2018/6/27(19次リスト)
184	ドデカメチルシクロヘキサシロキサン(D6)	Dodecamethylcyclohexasiloxane (D6)	540-97-6	2018/6/27(19次リスト)
185	鉛	Lead	7439-92-1	2018/6/27(19次リスト)
186	八ホウ酸二ナトリウム	Disodium octaborate	12008-41-2	2018/6/27(19次リスト)
187	ベンゾ[ghi]ペリレン	Benzo[ghi]perylene	191-24-2	2018/6/27(19次リスト)
188	水素化テルフェニル	Terphenyl hydrogenated	61788-32-7	2018/6/27(19次リスト)
189	エチレンジアミン	Ethylenediamine	107-15-3	2018/6/27(19次リスト)
190	ベンゼン-1,2,4-トリカルボン酸-1,2-無水物(無水トリメリット酸)	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	2018/6/27(19次リスト)
191	フタル酸ジシクロヘキシル	Dicyclohexyl phthalate (DCHP)	84-61-7	2018/6/27(19次リスト)
192	2,2-ビス(4'-ヒドロキシフェニル)-4-メチルペンタン	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	2019/1/15(20次リスト)
193	ベンゾ[k]フルオランテン	Benzo[k]fluoranthene	207-08-9	2019/1/15(20次リスト)
194	フルオランテン	Fluoranthene	206-44-0	2019/1/15(20次リスト)
195	フェナントレン	Phenanthrene	1985/1/8	2019/1/15(20次リスト)
196	ピレン	Pyrene	129-00-0	2019/1/15(20次リスト)
197	1,7,7-トリメチル-3-(フェニルメチレン)ビスシクロ[2.2.1]ヘプタン-2-オン (3-ベンジリデンカンファー)	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8	2019/1/15(20次リスト)
198	2-メトキシエチルアセテート、エチレングリコールモノメチルエーテルアセテート	2-methoxyethyl acetate	110-49-6	2019/7/16(21次リスト)
199	垂リン酸トリス(直鎖、分岐鎖4-ノニルフェニル) (TNPP) (直鎖、分岐鎖4-ノニルフェノール(4-NP)を0.1w/w%以上含有するもの)	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)		2019/7/16(21次リスト)
200	2,3,3,3-テトラフルオロ-2-(ヘプタフルオロプロポキシ)プロピオン酸とその塩、その酸ハロゲン化物(各異性体およびその混合物を含む)	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)		2019/7/16(21次リスト)
201	4-tert-ブチルフェノール	4-tert-butylphenol	98-54-4	2019/7/16(21次リスト)
202	フタル酸ジイソヘキシル	Diisohexyl phthalate	71850-09-4	2020/1/18(22次リスト)
203	2-ベンジル-2-ジメチルアミノ-4'-モルホリノブチロフェノン	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	2020/1/18(22次リスト)
204	2-メチル-1-(4-メチルチオフェニル)-2-モルホリノプロパン-1-オン	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	2020/1/18(22次リスト)
205	パーフルオロブタンズルホン酸(PFBS)およびその塩	Perfluorobutane sulfonic acid (PFBS) and its salts		2020/1/18(22次リスト)

■REACH規制物質を除くその他物質 [other than Candidate substances for authorization under REACH]

No.	化学物質名	Chemical substances	CAS No.	Date of inclusion
1	BPA(ビスフェノールA)	BisphenolA (BPA)	-	-
2	ポリ塩化ビニル(PVC)	Polyvinyl chloride (PVC)	9002-86-2	-
3	酸化ベリリウム (BeO)	Beryllium oxide	1304-56-9	-
4	過塩素酸塩	Perchlorate	-	-
5	ニッケル及びその化合物	Nickel and Nickel compounds	-	-
6	臭素系難燃剤 (PBB類、PBDE類、HBCDD除く)	Brominated flame retardants (other than PBBs, PBDEs, or HBCDD)	-	-
7	フタル酸-2-エチルヘキシル(DEHP)	Bis (2-ethylhexyl) phthalate	117-81-7	カテゴリ-8と9は対象 Category 8 and 9
8	フタル酸ブチルベンジル(BBP)	Butyl benzyl phthalate	85-68-7	カテゴリ-8と9は対象 Category 8 and 9
9	フタル酸ジブチル(DBP)	Dibutyl phthalate	84-74-2	カテゴリ-8と9は対象 Category 8 and 9
10	フタル酸ジイソブチル(DIBP)	Diisobutyl phthalate	84-69-5	カテゴリ-8と9は対象 Category 8 and 9

Non-use Warranty of NSK Prohibited Substances

Company name: _____
 Address: _____
 Department: _____
 Title: _____
 Responsible person: _____
 T E L : _____
 F A X : _____

We hereby certify that all parts and products that we deliver to NSK use no prohibited substance, defined below, if any, below the threshold, or exempt in accordance with NSK Procurement Guidelines.

NSK Prohibited Substances

No	化学物質名 Chemicals name	Substance Name	CAS No	含有濃度の閾値[Threshold level]
1	カドミウム及びその化合物	Cadmium and its compounds	-	100ppm以下 (100ppm or less)
2	鉛およびその化合物	Lead and its compounds	-	1000ppm以下 (1000ppm or less)
3	水銀及びその化合物	Mercury and its compounds	-	1000ppm以下 (1000ppm or less)
4	六価クロム化合物	Hexavalent chromium compounds	-	1000ppm以下 (1000ppm or less)
5	ポリ臭化ビフェニル類(PBB類)	Polybrominated biphenyls (PBBs)	-	1000ppm以下 (1000ppm or less)
6	ポリ臭化ジフェニルエーテル類(PBDE類)	Polybrominated diphenyl ethers (PBDEs)	-	1000ppm以下 (1000ppm or less)
7	フタル酸-2-エチルヘキシル(DEHP)	Bis (2-ethylhexyl) phthalate	-	1000ppm以下 (1000ppm or less) カテゴリ-8と9は除く(Category 8 and 9 are removed.)
8	フタル酸ブチルベンジル(BBP)	Butyl benzyl phthalate	-	1000ppm以下 (1000ppm or less) カテゴリ-8と9は除く(Category 8 and 9 are removed.)
9	フタル酸ジブチル(DBP)	Dibutyl phthalate	-	1000ppm以下 (1000ppm or less) カテゴリ-8と9は除く(Category 8 and 9 are removed.)
10	フタル酸ジイソブチル(DIBP)	Diisobutyl phthalate	-	1000ppm以下 (1000ppm or less) カテゴリ-8と9は除く(Category 8 and 9 are removed.)

RoHS exemption

The RoHS Directive stipulates "exempted uses" that permit the inclusion of prohibited substances for use that cannot be technically substituted.

The revised RoHS Directive (2011/65/EU: RoHS2) has two types of lists: AnnexIII and AnnexIV.

Please check the latest lists and strictly observe that prohibited substances do not contain more than the allowable amount.

11	アスベスト類	Asbestos	-	意図的な使用禁止かつ、1000ppm以下 Intentional use is prohibited, however,1000ppm or less as tin
12	有機錫化合物:トリブチル錫類(TBT)、 トリフェニル錫類(TPT)	Tributyl Tin (TBT) and Triphenyl Tin (TPT)	-	意図的な使用禁止 かつ、スズとして 1000ppm以下 Intentional use is prohibited, however, 1000ppm or less as tin
13	ジブチルスズ化合物(DBT類)、 ジオクチルスズ化合物(DOT類)	Dibutyltin (DBT) compounds Dioctyltin (DOT) compounds	-	スズとして1000ppm 以下 1000ppm or less as tin
14	有機錫化合物:酸化トリブチル錫類(TBTO)	Bis(tributyltin)oxide (TBTO)	56-35-9	意図的な使用禁止 Intentional use is prohibited
15	デカ-BDE	Deca-BDE	1163-19-5	-
16	ポリ塩化ビフェニル類(PCB類)	Polychlorinated Biphenyls (PCBs)	-	意図的な使用禁止 Intentional use is prohibited
17	ポリ塩化ターフェニル類(PCT類)	Polychlorinated Terphenyls(PCTs)	61788-33-8	意図的な使用禁止 Intentional use is prohibited
18	ポリ塩化ナフタレン類(塩素数が2以上)	Polychlorinated naphthalenes (more than 2 chlorine atoms)	-	意図的な使用禁止 Intentional use is prohibited
19	短鎖型塩化パラフィン	Alkanes, C10-13, chloro	-	意図的な使用禁止 Intentional use is prohibited
20	特定アミンを生成するアゾ染料・顔料	Azocolourants and azodyes which form certain aromatic amines	-	意図的な使用禁止 Intentional use is prohibited
21	オゾン層破壊物質(HCFCを除く)	Ozone Depleting Substances	-	意図的な使用禁止 Intentional use is prohibited
22	PFOS(パーフルオロオクタンスルホン酸)、 PFOA(パーフルオロオクタノ酸)	Perfluorooctane sulfonates, Perfluorooctanoic acid	-	意図的な使用禁止 Intentional use is prohibited
23	フッ素系温室効果ガス(HFC、PFC、SF6)	Fluorinated greenhouse gases (PFC, SF6, HFC)	-	意図的な使用禁止 Intentional use is prohibited
24	HCB(ヘキサクロロベンゼン)	Hexachlorobenzene	-	意図的な使用禁止 Intentional use is prohibited
25	放射性物質	Radioactive substances	-	意図的な使用禁止 Intentional use is prohibited
26	特定ベンゾトリアゾール (第一種特定化学物質)	Specified benzotriazole	3846-71-7	意図的な使用禁止 Intentional use is prohibited
27	ジメチルフマレート(DMF)	Dimethyl fumarate	624-49-7	1000ppm以下 (1000ppm or less as tin)
28	ホルムアルデヒド	Formaldehyde	50-00-0	意図的な使用禁止 Intentional use is prohibited

Remarks: You can use the box below for your comments.