



# Green Procurement Guidelines



Feb.17th,2016 (Version4.40)

***NAKANISHI INC.***

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## Environmental Philosophy

NAKANISHI INC. (herein called “NSK”) put conservation of the environment with less load, harmony with nature, and healthier society at the top of our priority list and under the “Environmental Policy, December 9, 2008” NSK has been, throughout its business activities of designing, manufacturing marketing and servicing high-speed rotating equipment and other products, engaged in the activities described below:

1. Prevention of contamination, continued Improvement of energy and resource saving
2. Compliance with environmental laws, regulations and other voluntary standards
3. Reduction of environmental loads in all processes of business
4. Consideration for natural environment around the plant
5. Dissemination of environmental policy

Looking at the global trend including EU, hazardous chemical control and design for environment have becoming regulated more and more strictly and the social responsibility of business has been increasingly required. We need to establish the procurement process responding to those environmental requirements.

Our business activities have been heavily depending on the material, parts, units, packing material and others that you, our procurement partners, are delivering to us. Therefore, it is impossible for us to implement our “Environmental Policy” without your understanding and cooperation .

We have updated our “Green Procurement Guidelines” and will promote our activities for environmental conservation. We would like you all to also share with us understanding of the guidelines and provide us with cooperation.

Feb 17, 2016

EMS Office, Production Group  
NAKANISHI INC.

## 1. Purpose of Green Procurement

Our company has been addressing conservation of global environment by supplying environmentally-friendly products throughout each activity of design and development, production, marketing and services.

As part of those activities, Green Procurement aims at the procurement of products and material with less environmental load from our partners.

Your cooperation is inevitable and that is one of the requirements for business with our company.

## 2. Scope of Green Procurement

The Guidelines will apply to the following procurement products that you deliver to our company.

- Products (finished products, units, components)
- Parts (electric/electronic parts, mechanical parts, others)
- Material (metal, resin material, others)
- Subsidiary material (adhesive, silicon, paint, ink, solder, others)
- Packaging material, printed material (trays, bags, buffer, tapes, printing ink, others)

## 3. Requirements of Green Procurement

Our company requests you to share with us understanding of and commitment to the followings to promote Green Procurement.

- Commitment to environmental conversation
- Procurement products with less environmental load and complete control of chemical substances

More practically, we would like you to confirm your status quo in accordance with “Request for procurement partners” and “Procurement products with less environmental load and control of chemical substances”.

Request for procurement partners

- Compliance with laws and regulations
- Construction and operation of environmental management system (EMS)  
(It is recommended to obtain and maintain ISO 14001 certification.)
- Procurement products with less environmental load and complete control of chemical substances
- Continued improvement to save energy, reduce waste and CO2 discharge from business activities including measures of transport
- Provision of information (We request you to provide information about your environmental management.)

We ask you to allow us to make sure of your commitment to the above using the form of “Audit check sheet for procurement partners” when we start business with you and continuously update such evaluation thereafter when we visit your premises.

#### Procurement products with less environmental load and control of chemical substances

##### (1) Reduction of environmental load for procurement products

We would like our procurement partners to address the following tasks to improve environmental performance in terms of their procurement products.

- Reduction in CO2 discharge
- Reduction in industrial waste discharge
- Reduction in chemical substances subject to the PRTR system

We will not request you to provide data of your assessments periodically but ask you to let us confirm your promotion when we visit your premises.

##### (2) Control of chemical substances

Our company has been keeping under control chemical substances to be controlled in accordance with our own standard which we established based on Joint Industry Guide (JIG) taking into account customer requirements and laws

and regulations for medical devices.

- Prohibited substances ..... Refer to Table 2
- Restricted substances ..... Refer to Table 3

Contained Chemical Substance Survey

a. Material and data for submittal

- Mandatory:

Check Sheet of Green Procurement Survey, No-Use Guarantee of Chemical Substance

- Required if applicable: MSDS (Material Safety Data Sheet)

b. Survey Form of Contained Substances

We request you to make a survey of chemical substances contained in your products to be delivered to our company and provide us with the result of such survey.

You should use survey tool published by Japanese VT62474 to provide that information. If you cannot use the tool, you should use our form “Survey for NSK contained prohibited/controlled chemical substances” in Table 4 (we will provide you if necessary).

c. Non-use Guarantee

We will request you to provide non-use guarantee for prohibited substances defined in Table 2 using the form of “Non-use Guarantee” in Table 5 (we will provide you if necessary).

Definition of “Non-use”

Certain substance is not added intentionally nor contained as impurity over the threshold level in homogeneous material.

#### Definition of “Homogeneous material”

Material of uniform composition throughout that cannot be mechanically separated into different materials.

#### d. MSDS (Material Safety Data Sheet)

We will request you to provide MSDS for our management of chemical substances and/or supply to our customers if it is required.

#### 4. Revision of Guidelines

These Guidelines may be revised due to the following changes. We will promptly inform you of any revisions via e-mail or in written form.

- Change in laws and regulations, and customer requirements
- Revision of the JIG on which these guidelines are based

#### 5. Contact Information

EMS Office, Production Group  
NAKANISHI INC.

Tel: +81-289-64-3380

## Green Procurement Survey for Suppliers

Date of Audit: \_\_\_\_\_

S u p p l i e r	Name	(Signature)		
	Address			
	Section			
	Title	Person in charge		
	TEL	FAX		

Approved	Checked

Evaluation	Scores

1. Have you obtained ISO14001 certification? (Circle the alphabet of the most accurate answer.)

						Score	Full
A	Obtained (Copy of Certification attached)	Certification Date		Notified Body			200
		Certification Period		Certification No.			
B	Plan to obtain	Planned Audit		Notified Body			0
C	No plan to obtain						0

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

A	Obtained (Copy attached)	Notified Body		Certification Period			200
B	Plan to obtain	Notified Body		Planned Audit			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		Score	Full	
Environmental Policy	①	We have Environmental Policy independently or as part of the management policy.		10	
	②	We commit to legal compliance in ①.		20	
	③	Environmental Policy has been documented and communicated to employees.		10	
Planning	④	We conduct research and assessment of environmental load of our business.		10	
	⑤	We examine and comply with laws and regulations in relation to the environment.		20	
	⑥	We have targets and action plans to reduce the environmental load.		10	
Implementation and Operation	⑦	We have under control energy, waste, and other environmental load and try to make improvements.		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	
	⑨	We have implemented Green Procurement for parts and products that your company purchase.		10	
	⑩	We request our suppliers to conduct research for chemical substances regarding our parts and products that your company purchase.		10	
	⑪	We have a system by which we can respond to NSK's request in a timely manner.		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	
	⑬	We have made it clear which department and which person should be responsible for environmental management of our company.		10	
	⑭	We provide education and training to employees engaged in work with possible serious impact like pollution on environmental conservation and confirm their		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		
⑯	We have an emergency response system regarding environmental conservation.		10		
Monitoring	⑰	The progress of the plan and achievement of the target are periodically monitored.		10	
Management Review	⑱	We report the conservation activities to the management and make improvements to them, if any problem is pointed out.		10	
			Total score for 3	0	200

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

4. Conclusion	Standard of Evaluation			
		A	B	C
	Scores	200~120	120~40	39~0
Decisions	More business possible	Request for improvement	No business/conditioned	



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]

Rev.4.40 (1/1 page)

No	化学物質名	Chemical substances	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
2	鉛およびその化合物	Lead and its compounds	-	1000ppm
	適応除外 [Exempted Applications] ・機械加工のために合金成分として鋼材中および亜鉛めっき鋼中に含まれる 0.35 wt%(3500ppm)までの鉛 [Lead as an alloying element in steel for machining purposes and in galvanized steel containing up to 0.35 % lead by weight] ・合金成分としてアルミニウムに含まれる 0.4 wt%(4000ppm)までの鉛 [Lead as an alloying element in aluminium containing up to 0.4 % (4000ppm) lead by weight ] ・鉛含有量が 4wt%(4000ppm)以下の銅合金 [Copper alloy containing up to 4 % (4000ppm) lead by weight ]			
3	水銀及びその化合物	Mercury and its compounds	-	1000ppm
4	六価クロム化合物	Hexavalent chromium compounds	-	1000ppm
5	ポリ臭化ビフェニール類 (PBB類)	Polybrominated biphenyls (PBBs)	-	1000ppm
6	ポリ臭化ジフェニルエーテル類 (PBDE類)	Polybrominated diphenyl ethers (PBDEs)	-	1000ppm

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

No	化学物質名	Chemical substances	CAS No	含有濃度の閾値[Threshold level]
7	アスベスト類	Asbestos	-	-
8	有機錫化合物:トリブチル錫類(TBT)、 トリフェニル錫類(TPT)、 ジブチルスズ化合物 (DBT類)、 ジオクチルスズ化合物 (DOT類)	Tributyl Tin (TBT) and Triphenyl Tin (TPT) Dibutyltin (DBT) compounds Diocetyl tin (DOT) compounds	-	-
9	有機錫化合物:酸化トリブチル錫類(TBTO)	Bis(tributyltin)oxide (TBTO)	56-35-9	-
10	デカ- <i>BDE</i>	Deca- <i>BDE</i>	1163-19-5	-
11	ポリ塩化ビフェニール類 (PCB類)	Polychlorinated Biphenyls (PCBs)	-	-
12	ポリ塩化ターフェニール類 (PCT類)	Polychlorinated Terphenyls(PCTs)	61788-33-8	-
13	ポリ塩化ナフタレン類 (塩素数が3以上)	Polychlorinated naphthalenes (more than 3 chlorine atoms)	-	-
14	短鎖型塩化パラフィン	Alkanes, C10-13, chloro	-	-
15	特定アミンを生成するアゾ染料・顔料	Azocolourants and azodyes which form certain aromatic amines	-	-
16	オゾン層破壊物質 (HCFCを除く)	Ozone Depleting Substances	-	-
17	PFOS(パーフルオロオクタン sulfonates)、 PFOA(パーフルオロオクタン酸)	Perfluorooctane sulfonates、 Perfluorooctanoic acid	-	-
18	フッ素系温室効果ガス (HFC、PFC、SF6)	Fluorinated greenhouse gases (PFC, SF6, HFC)	-	-
19	HCB(ヘキサクロロベンゼン)	Hexachlorobenzene	-	-
20	放射性物質	Radioactive substances	-	-
21	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	-
22	ジメチルフマレート (DMF)	Dimethyl fumarate	624-49-7	1000ppm
23	ホルムアルデヒド	Formaldehyde	50-00-0	-

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) 14次 [Candidate substances for authorization under REACH (SVHC)]

Rev.4.40 (1/3page)

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-スタナナテトラデカン酸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-スタナナテトラデカン酸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-スタナナテトラデカン酸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	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and	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	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、コンゴレッド(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、クローゾールブラック E (C.I.ダイレクトブラック 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	フタル酸ジベンチル	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	ピグメントイエロー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ン酸	Henicosfluoroundecanoic 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-isom	85-42-7, 13149-00-3, 14166-21-3	2012/12/19
29	ジブチルスジクロライド; 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(Ⅱ)	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	o-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	ジルコニウム酸チタン酸鉛; 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)(鉛ドーパ)	Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), 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'-メチレンビス(o-トルイジン)、4, 4'-メチレンビス(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

■REACH認可対象候補物質 (SVHC) 14次 [Candidate substances for authorization under REACH (SVHC)]

Rev.4.0 (2/3page)

No.	化学物質名	Chemical substances	CAS No ※2	Date of inclusion
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-ペンチル-イソペンチル; N-ペンチル-イソペンチル フタルレート	N-pentyl-isopentylphthalate	776297-69-9	2012/12/19
57	ジオキソビス(ステアリン酸)三鉛	Dioxobis(stearato)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	Pentacosfluorotridecanoic acid	72629-94-8	2012/12/19
61	ペルフルオロドデカン酸	Tricosfluorododecanoic acid	307-55-1	2012/12/19
62	ペルフルオロヘプタデカン酸	Heptacosfluorotetradecanoic 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-ペンチル-イソペンチル; 1,2-ベンゼンジカルボン酸; ジペンチルエステル、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)-トリアゾン (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)tritryl 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(オキサラン-2-イルメチル)-1,3,5-トリ アジナ-2,4,6-トリアジン (TGIC)	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazine-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 ン)	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-アミノ-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	ニアジ化鉛(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物	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; ヒドラジン-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

■REACH認可対象候補物質 (SVHC) 14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
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 (C.I. Pigment Yellow 34)	Lead sulfchromate yellow (C.I. Pigment Yellow 34)	1344-37-2	2010/01/13
137	クロム酸モリブデン酸亜硫酸鉛赤 (C.I. Pigment Red 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-セブチル-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/DBP	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/BDP	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

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

<http://echa.europa.eu/web/guest/candidate-list-table>

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

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No.	化学物質名	Chemical substances	CAS No.	-
1	BPA (ビスフェノールA)	Bisphenol A (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	フタル酸エステル類	Phthalates	-	-

Tabel 4  
EMS Office, Nakanishi Inc.

Date:

### Contained Chemical Substances prohibited and controlled by NSK

Company name		
Address		
R e s p o n d e	Department	
	Signature	
	TEL	
	FAX	
	e-mail	

**【1】** Is any substance deined in the attachement contained in your products? (Fill in a circle.)

(Refer to lists of prohibited and controlled substances attached hereto.)

Contained	
Contained (but below the threshold)	
Not contained	

**【2】** You selected "Contained", please fill in the list below.

NO	Substance	your products	Model number	NSK model number	Unit weight of product (g)	Substance content ratio (%)
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

Note: If you need more space, please use additional sheets of paper copying this form.

**【3】** You selected "Contained", please fill in the list below.

NO. of 【2】	Intentionally contained (YES/NO)	Planning to stop use (YES, when?) /NO)		Comment
Ex. 1 or 1~5	YES	YES	May, 2013	Evaluation request of sample, Nov. 2012

Note: If you need more space, please use additional sheets of paper copying this form.

Table 5

Date:

EMS Office, Nakanishi Inc.Non-use Guarantee 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

Rev.4.40

No	化学物質名	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
2	鉛およびその化合物	Lead and its compounds	-	1000ppm
	適応除外 [Exempted Applications] ・機械加工のために合金成分として鋼材中および亜鉛めっき鋼中に含まれる 0.35 wt%(3500ppm)までの鉛 [Lead as an alloying element in steel for machining purposes and in galvanized steel containing up to 0.35 % lead by weight] ・合金成分としてアルミニウムに含まれる 0.4 wt%(4000ppm)までの鉛 [Lead as an alloying element in aluminium containing up to 0.4 % (4000ppm) lead by weight ] ・鉛含有量が 4wt%(40000ppm)以下の銅合金 [Copper alloy containing up to 4 % (40000ppm) lead by weight ]			
3	水銀及びその化合物	Mercury and its compounds	-	1000ppm
4	六価クロム化合物	Hexavalent chromium compounds	-	1000ppm
5	ポリ臭化ビフェニール類(PBB類)	Polybrominated biphenyls (PBBs)	-	1000ppm
6	ポリ臭化ジフェニルエーテル類(PBDE類)	Polybrominated diphenyl ethers (PBDEs)	-	1000ppm
7	アスベスト類	Asbestos	-	-
8	有機錫化合物:トリブチル錫類(TBT)、 トリフェニル錫類(TPT)、 ジブチルスズ化合物(DBT類)、 ジオクチルスズ化合物(DOT類)	Tributyl Tin (TBT) and Triphenyl Tin (TPT) Dibutyltin (DBT) compounds Diocetyl tin (DOT) compounds	-	-
9	有機錫化合物:酸化トリブチル錫類(TBTO)	Bis(tributyltin)oxide (TBTO)	56-35-9	-
10	デカ-BDE	Deca-BDE	1163-19-5	-
11	ポリ塩化ビフェニール類(PCB類)	Polychlorinated Biphenyls (PCBs)	-	-
12	ポリ塩化ターフェニール類(PCT類)	Polychlorinated Terphenyls(PCTs)	61788-33-8	-
13	ポリ塩化ナフタレン類(塩素数が3以上)	Polychlorinated naphthalenes (more than 3 chlorine atoms)	-	-
14	短鎖型塩化パラフィン	Alkanes, C10-13, chloro	-	-
15	特定アミンを生成するアゾ染料・顔料	Azocolourants and azodyes which form certain aromatic amines	-	-
16	オゾン層破壊物質(HCFCを除く)	Ozone Depleting Substances	-	-
17	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ン酸)	Perfluorooctane sulfonates, Perfluorooctanoic acid	-	-
18	フッ素系温室効果ガス(HFC、PFC、SF6)	Fluorinated greenhouse gases (PFC, SF6, HFC)	-	-
19	HCB(ヘキサクロロベンゼン)	Hexachlorobenzene	-	-
20	放射性物質	Radioactive substances	-	-
21	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	-
22	ジメチル fumarate (DMF)	Dimethyl fumarate	624-49-7	1000ppm
23	ホルムアルデヒド	Formaldehyde	50-00-0	-

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