

## Information Sheet on Contents of Specified Chemical Substances

### 【Prepared by】

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### 【Product Name】

### 【Specification Symbol】

### 【Surface Treatment Symbol】

Note: The “Product” does not include oiling, protective film, marking, labels, packages, tags and such others as are shipped attached to the Product.

※ denotes either registered trademark or trademark of NIPPON STEEL & SUMITOMO METAL CORPORATION in Japan and/or other countries.

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### 【How to Use This Sheet】

We exert constant efforts toward the control of substances of our products and the disclosure of information to our customers. In accordance with the laws and regulations in Japan, we have also provided information to our customers in the form of SDS. However, in accordance with regulations in other countries, and also from the standpoint of green procurement, we are beginning to receive increasing numbers of requests for detailed information about contents of specified chemical substances. As SDS, in the form prescribed in Japan, cannot provide such detailed information, we have prepared this Information Sheet for the purpose of complementing SDS.

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### 【Investigation of Contents of Specified Chemical Substances in the Product】

This investigation has been conducted about those chemical substances which are listed in the Joint Industry Guide prepared through collaboration between JGPSSI, EIA, and EICTA.

Afterwards, JGPSSI has revised it largely, considering latest trend of the regulations, so finally has issued JIG-101 Ed 4.1 in January, 2012. The subject chemical substances and the results of this investigation are shown in the attached sheet hereto.

- JGPSSI : Japan Green Procurement Survey Standardization Initiative
- EIA : Electronic Industries Alliance
- EICTA : Communications and Consumer Electronics Technology Industry Association

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### 【Others】

This Product, except for impurities which unavoidably become mixed from raw materials and others, does not contain those substances whose manufacture and importation are prohibited by the following laws and regulations in Japan:

◎Law Concerning the Examination and Regulation of Manufacture, etc. of Chemical Substances  
(specified chemical substances of the first kind)

◎Industrial Safety and Health Law (substances whose manufacture is prohibited)

◎Poisonous and Deleterious Substances Control Law (specified poisonous substances)

For the contents of the substances which are required to be controlled by the following Japanese law, please refer to the Material Safety Data Sheet (SDS):

◎Industry Safety and Health Law (subject substances of notice)

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**【Attachment】 Investigation Results of the existence of the Specified Chemical Substances in Steel**

**【Substances to be investigated】**

- The following shows The chemical substances to be investigated and The results of investigation on whether they are contained or not.
- Refer to Annex B (reference information) "Detailed Substances List" of JIG-101 Ed. 4.1 for detail on chemical substances.

Criteria	Group of Chemical Substances	Threshold Level (Reporting Level)	Presence or Absence of Content	Content (ppm)	Remarks
R	Asbestos	Intentionally added	None		
R	Certain azocolourants and azodyes (which form certain aromatic amines) in textile and leather applications only	30ppm by weight of the finished textiles/leather product	Not applied		Applied to fabrics, leather products.
A	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters,C7-rich (DIHP)	1000ppm by weight of the product	None		
A	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	1000ppm by weight of the product	None		
I	Beryllium oxide	1000ppm by weight of the product	None		
A	4-[4,4'-bis(dimethylamino) benzhydrylidene] cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3)	1000ppm by weight of the product	None		
R	Bis (2-methoxyethyl) ether	1000ppm by weight of the product	None		
R	Bis (2-methoxyethyl) phthalate	1000ppm by weight of the product	None		
R	Boric acid	1000ppm by weight of the product	None		
I	Brominated flame retardants (other than PBBs,PBDEs, or HBCDD)	1000ppm by weight of plastic material	Not applied		Applied to plastic components.
R	Cadmium/Cadmium Compounds	100ppm by weight of homogeneous materials	None		Except for applications of batteries. Consult us for applications of batteries.
I	Chlorinated flame retardants	1000ppm by weight of the material	Not applied		Applied to plastic components, laminated
R	Hexavalent Chromium/ Hexavalent Chromium Compounds	1000ppm by weight of homogeneous materials	None		
R	Cobalt dichloride	1000ppm by weight of the product	None		
R	Diarsenic pentaoxide	1000ppm by weight of the product	None		
R	Diarsenic trioxide	1000ppm by weight of the product	None		
R	Dibutyltin compounds(DBT)	1000ppm by weight of tin in a material	None		
R	Diocetyl tin compounds(DOT)	1000ppm by weight of tin in a material	Not applied		Applied to fabrics, leather products, nursery items, etc.
R	2,2'-dichloro-4,4'-methylenedianiline(MOCA)	1000ppm by weight of the product	None		
R	N,N-dimethylacetamide(DMAC)	1000ppm by weight of the product	None		
R	Dimethyl fumarate(DMF)	0.1ppm by weight in a material	None		
R	Disodium tetraborate, anhydrous	1000ppm by weight of the product	None		
R	Fluorinated greenhouse gases(PFC,SF6,HFC)	Intentionally added	None		
R	Formaldehyde	75ppm by weight of the product	Not applied		Applied to fabrics, composite wood products.
R	Hexabromocyclododecane(HBCDD) and all major diastereoisomers	1000ppm by weight of the product	None		
R	Lead/Lead Compounds	Intentionally added or 1000ppm by weight of homogeneous materials	None		Except for applications of children's products, toys, batteries. Consult us when applicable.
R	Lead chromate	1000ppm by weight of the product	None		
R	Lead chromate molybdate sulphate red(C.I. Pigment Red 104)	1000ppm by weight of the product	None		
R	Lead sulfochromate yellow(C.I. Pigment Yellow 34)	1000ppm by weight of the product	None		

R	Mercury/Mercury Compounds	Intentionally added or 1000ppm by weight of homogeneous material	None		Except for applications of batteries. Consult us for applications of batteries.
R	Nickel	Intentionally added	Not applied		The use of contact with skin for long hours is not assumed. Consult us if applicable.
R	Ozone Depleting Substances (CFCs, HCFCs, HBFCS, tetrachloromethane etc.)	Intentionally added	None		
R	Pentazinc chromate octahydroxide	1000ppm by weight of the product	None		
R	Perchlorates	0.006ppm by weight of the product	None		
R	Perfluorooctane sulfonate(PFOS)	Intentionally added	None		
R	Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)	Intentionally added	None		
R	Bis (2-ethylhexyl) phthalate (DEHP)	1000ppm by weight of the product	None		
R	Dibutyl phthalate (DBP)	1000ppm by weight of the product	None		
R	Benzyl butyl phthalate (BBP)	1000ppm by weight of the product	None		
R	Diisobutyl phthalate (DIBP)	1000ppm by weight of the product	None		
R	Selected Phthalates Group 1(BBP,DBP,DEHP)	1000ppm by weight of plasticized material	Not applied		Applied to toys, nursery items, etc.
R	Selected Phthalates Group 2(DIDP,DINP,DNOP)	1000ppm by weight of plasticized material	Not applied		Applied to toys, nursery items, etc.
R	Polybrominated Biphenyls (PBBs)	1000ppm by weight of homogeneous materials	None		
R	Polybrominated Diphenylethers (PBDEs)	1000ppm by weight of homogeneous materials	None		
R	Polychlorinated biphenyls(PCBs) and specific substitutes	Intentionally added	None		
R	Polychlorinated terphenyls(PCTs)	Intentionally added	None		
R	Polychlorinated Naphthalenes (more than 3 chlorine atoms)	Intentionally added	None		
I	Polyvinyl chloride(PVC) & PVC Copolymers	1000ppm by weight of the product	None		
R	Potassium hydroxyoctaoxidizincate	1000ppm by weight of the product	None		
R	Radioactive substances	Intentionally added	None		
R	Refractory Ceramic Fibers, Aluminosilicate	1000ppm by weight of the product	None		
R	Refractory Ceramic Fibers, Zirconia Aluminosilicate	1000ppm by weight of the product	None		
R	Certain Shortchain Chlorinated Paraffins (C10 – C13)	1000ppm by weight of the product	None		
R	Strontium chromate	1000ppm by weight of the product	None		
R	Tetraboron disodium heptaoxide, hydrate	1000ppm by weight of the product	None		
R	4-(1,1,3,3-tetramethylbutyl) phenol (4-tert-Octylphenol)	1000ppm by weight of the product	None		
R	Tri-substituted organostannic compounds	1000ppm by weight of tin in a material	None		
R	Tributyl Tin Oxide (TBTO)	Intentionally added or 1000ppm by weight of the product	None		
R	Tris (2-chloroethyl) phosphate (TCEP)	1000ppm by weight of the product	None		

#### 【Cautions】

- (1) The investigation results were based on the JIG criteria, and we cannot ensure the contained amount for individual products.
- (2) Letters R, A and I in the criteria columns in the above table show that the substances are “regulated”, “for assessment only”, and “for information only”, respectively. Refer to JIG-101 Ed 4.1 for precise definitions.
- (3) There are roughly four types of expression in the threshold level columns for handling the denominators when calculating the concentration of content with respect to the threshold – “intentionally added”, “by weight of homogeneous material”, “by weight of product”, and “by weight of material”.

As to “intentionally added”, whether the substance was intentionally added or not is literally judged to determine presence or absence of the substance. As to “by weight of homogeneous material”, the concentration of content is calculated using the respective denominators of the base steel and surface coating (including both of plating and chemical treatment layer), and compared with the threshold to determine whether the substance is contained or not.

As to “by weight of product” and “by weight of material”, the product and material are synonymous for steel products, so in both cases, the entirety of steel material, i.e. a unit of the base steel and surface coating (including both of plating and chemical treatment layer), is set to a denominator: The concentration of content is calculated using this denominator and compared with the threshold to determine whether the substance is contained or not.