

RoHS Reagent Chemical



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The measures for specific control of certain hazardous substances as enforced by European Parliament and the Council of The European Union from July 1, 2006 is progressing across each company by establishment of a unique green procurement standard compliant with the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS).

Many requests for analysis and investigation have resulted from this action including compliance concerns for medicine and reagent chemicals.

182 items have been selected for the addition of six kinds of specific toxic substances controlled by RoHS.

Information supplied is intended for comparison with environmental regulation in and outside the country (including RoHS Directives) for use in medicine, production control applications, etc.

Feature

- **Specific control of six substances(Cadmium, Chromium, Mercury, Lead, PBB, PBDE) for RoHS directive is provided as a standard item, and example of best compliance.**
- **Guaranteed performance is 1-to 10-% or less of the maximum allowable concentration value in electrical and electronic equipment.**

Spec

Substance	Kanto guaranteed	RoHS Regulation
Lead (Pb)	Max 100 ppm	Max 1,000 ppm
Cadmium (Cd)	Max 10 ppm	Max 100 ppm
Mercury (Hg)	Max 10 ppm	Max 1,000 ppm
Chromium (Cr ⁶⁺)	Max 10 ppm	Max 1,000 ppm
Polybromodiphenyl (PBB)	Max 1 ppm	Max 1,000 ppm
Polybromodiphenylethanol (PBDE)	Max 1 ppm	Max 1,000 ppm

※RoHS Directives (Restriction of Hazardous Substance)

Many who sell products to the European Union and each Japanese manufacturer have been approached for immediate supply of products based upon RoHS Directives, along with waste electrical and electronic equipment(WEEE) instructions were proclaimed by the European Union in February, 2003 with the intent of protection for health and environment from abandonment, disposal, and product manufacturing. Six specific toxic substances are controlled; Lead(Pb), Mercury(Hg), Cadmium(Cd), Chromium VI(Cr⁶⁺), PBB, and PBDE. These substances have been restricted by enforcement on July 1, 2006 for use in personal computers, communication devices, home electronics, etc.

Chemical list

Catalogue number	Product Name	Packing	Catalogue price (¥)
01949-00	Acetic acid	500mL	1,100
01950-00	Acetic anhydride	500mL	1,800
01951-00	Acetone	500mL	900
01951-80	Acetone	14kg	☆
01952-00	Acetonitrile	500mL	1,600
01952-80	Acetonitrile	14kg	☆
01953-00	Adipic acid	500g	2,600
01954-00	Aluminium oxide (alpha type)	500g	1,600
01955-00	Aluminium potassium sulfate and 12-water (Potassium alum)	500g	2,000
01956-00	Amidosulfuric acid	500g	2,800
01956-80	Amidosulfuric acid	20kg	☆
01957-00	2-Aminoethanol	500mL	1,900
01958-00	Ammonia solution	500mL	900
01958-80	Ammonia solution	18kg	☆
01959-00	Ammonium acetate	500g	1,600
01960-00	Ammonium carbonate	500g	2,600
01960-80	Ammonium carbonate	10kg	☆
01961-00	Ammonium chloride	500g	1,600
01962-00	Diammonium hydrogen citrate	500g	2,200
01963-00	Ammonium iodide	500g	9,000
01964-00	Ammonium iron(III) sulfate 12-water (Iron alum)	500g	2,600
01965-00	Ammonium peroxodisulfate	500g	1,200
01966-00	Ammonium sulfate	500g	1,100
01967-00	Antimony(III) oxide	500g	7,000
05082-00	Benzene	500mL	1,000
05082-80	Benzene	15kg	☆
05084-00	Benzotriazole	500g	9,000
05085-00	Benzoyl chloride	500g	2,100
05086-00	Boric acid	500g	1,200
05086-80	Boric acid	15kg	☆
05087-00	Boron trioxide	500g	3,600
05088-00	1,4 - Butanediol	500g	2,200
05089-00	1-Butanol	500mL	1,200
05089-80	1-Butanol	14kg	☆
05090-00	2-Butanone	500mL	1,100
05090-80	2-Butanone	14kg	☆
05091-00	2- <i>n</i> -Butoxyethanol	500mL	1,700
05091-80	2- <i>n</i> -Butoxyethanol	16kg	☆
05092-00	2-(2- <i>n</i> -Butoxyethoxy)ethanol	500mL	2,100
05093-00	2-(2- <i>n</i> -Butoxyethoxy)ethyl acetate	500mL	2,400
05093-80	2-(2- <i>n</i> -Butoxyethoxy)ethyl acetate	15kg	☆
05094-00	Butyl acetate	500mL	1,200
05094-80	Butyl acetate	15kg	☆
05095-00	4-Butyrolactone (4= γ)	500g	2,800
08209-00	Cyclohexanone	500mL	1,600
08209-80	Cyclohexanone	15kg	☆
08273-00	Calcium hydroxide	500g	1,800
08275-00	Carbon disulfide	500mL	2,800
08276-00	Cerium(IV) diammonium nitrate	500g	11,000
08277-00	Chloroform	500mL	1,400
08277-80	Chloroform	25kg	☆
08279-00	Citric acid monohydrate	500g	1,800
08279-80	Citric acid monohydrate	15kg	☆
08280-00	Copper(II) sulfate pentahydrate	500g	1,700
11711-00	2, 6-Di- <i>tert</i> -butyl- <i>p</i> -cresol	500g	3,000
11712-00	Di- <i>n</i> -butyl phthalate (DBP)	500mL	1,600
11713-00	<i>o</i> -Dichlorobenzene	500mL	1,500
11714-00	1,2-Dichloroethane	500mL	1,200
11715-00	Dichloromethane	500mL	1,300
11716-00	Diethylene glycol	500mL	1,800
11717-00	Diethyl ether	500mL	2,400

Chemical list

Catalogue number	Product Name	Packing	Catalogue price (¥)
11717-80	Diethyl ether	20L	☆
11718-00	Diisopropyl ether	500mL	1,500
11719-00	<i>N,N</i> -Dimethylacetamide	500mL	2,500
11720-00	<i>N,N</i> -Dimethylformamide	500mL	1,700
11721-00	Dimethyl sulfoxide	500mL	1,900
11722-00	1,4-Dioxane (1,4= <i>p</i>)	500mL	1,600
11723-00	Disodium dihydrogen ethylenediamine tetraacetate dihydrate	500g	6,500
11724-00	Disodium hydrogenphosphate	500g	2,000
11725-00	Disodium hydrogenphosphate 12-water	500g	1,200
11725-80	Disodium hydrogenphosphate 12-water	15kg	☆
14649-00	Ethanol (99.5)	500mL	2,100
14649-80	Ethanol (99.5)	18L	☆
14650-00	Ethanol (95)	500mL	2,100
14650-80	Ethanol (95)	18L	☆
14651-00	Ethyl acetate	500mL	1,200
14651-80	Ethyl acetate	15kg	☆
14652-00	Ethylenediaminetetraacetic acid	500g	6,500
14653-00	Ethylene glycol	500mL	1,400
14653-80	Ethylene glycol	20kg	☆
16253-00	Formaldehyde solution	500mL	900
16253-80	Formaldehyde solution	20kg	☆
17118-00	<i>D</i> (+) - Glucose	500g	1,800
17118-80	<i>D</i> (+) - Glucose	10kg	☆
17119-00	Glycerol (Glycerin)	500mL	1,800
17119-80	Glycerol (Glycerin)	22kg	☆
18653-00	Heptane (<i>n</i> -Heptane)	500mL	2,100
18653-80	Heptane (<i>n</i> -Heptane)	12kg	☆
18654-00	Hexane	500mL	1,000
18654-80	Hexane	11kg	☆
18655-00	Hydrobromic acid	500mL	2,600
18656-00	Hydrochloric acid	500mL	900
18656-80	Hydrochloric acid	23kg	☆
18658-00	Hydrogen peroxide (oxygenated water)	500mL	1,100
18660-00	4-Hydroxy-4-methyl-2-pentanone	500mL	2,500
20327-00	Iodine	500g	5,500
20328-00	Iron(II) chloride tetrahydrate	500g	3,100
20329-00	Iron(III) nitrate enneahydrate	500g	2,700
20330-00	Iron(II) sulfate heptahydrate	500g	1,300
24297-00	Lactic acid	500mL	2,700
24298-00	Ligroin	500mL	1,100
26051-00	Maleic anhydride	500g	2,200
26053-00	Methanol	500mL	900
26053-80	Methanol	14kg	☆
26054-00	2-Methoxyethanol	500mL	1,400
26054-80	2-Methoxyethanol	15kg	☆
26055-00	<i>p</i> -Methoxyphenol	500g	7,500
26056-00	3-Methylbutyl acetate	500mL	2,500
26122-00	4-Methyl-2-pentanone	500mL	1,300
26122-80	4-Methyl-2-pentanone	14kg	☆
26123-00	<i>N</i> -Methyl-2-pentanone	500mL	3,800
26124-00	Monochlorobenzene	500mL	1,500
28688-00	Nickel(II) chloride hexahydrate	500g	3,300
28689-00	Nitric acid 1.38	500mL	1,100
28689-80	Nitric acid 1.38	25kg	☆
28690-00	2,2',2''-Nitrilotriethanol	500mL	1,600
31067-00	Oxalic acid dihydrate	500g	2,100
31067-80	Oxalic acid dihydrate	15kg	☆
34181-00	Petroleum benzene	500mL	1,100
34182-00	Petroleum ether	500mL	1,100
34182-80	Petroleum ether	18L	☆
34183-00	Phosphonic acid	500g	2,700

Chemical list

Catalogue number	Product Name	Packing	Catalogue price (¥)
34184-00	Phosphoric acid	500mL	1,300
34184-80	Phosphoric acid	25kg	☆
34185-00	Potassium bromide	500g	1,600
34186-00	Potassium carbonate	500g	1,800
34187-00	Potassium chloride	500g	1,000
34187-80	Potassium chloride	20kg	☆
34188-00	Potassium cyanide	500g	2,400
34189-00	Potassium dihydrogenphosphate	500g	1,500
34189-80	Potassium dihydrogenphosphate	20kg	☆
34190-00	Potassium hydrogen phthalate	500g	3,100
34191-00	Potassium hydroxide	500g	1,200
34191-80	Potassium hydroxide	20kg	☆
34192-00	Potassium iodide	500g	5,500
34193-00	Potassium nitrate	500g	1,600
34194-00	Potassium oxalate monohydrate	500g	3,300
34195-00	Potassium permanganate	500g	3,300
34196-00	Potassium peroxodisulfate	500g	3,200
34197-00	2-propanol	500mL	950
34197-80	2-propanol	14kg	☆
34198-00	Propylene oxide	500mL	2,800
34199-00	Pyridine	500mL	2,900
38143-00	Sodium acetate trihydrate	500g	1,300
38144-00	Sodium acetate	500g	1,400
38144-80	Sodium acetate	9kg	☆
38145-00	Sodium carbonate	500g	1,400
38145-80	Sodium carbonate	20kg	☆
38146-00	Sodium chloride	500g	1,000
38147-00	Sodium dihydrogenphosphate dihydrate	500g	1,400
38148-00	Sodium hydrogen carbonate	500g	1,300
38148-80	Sodium hydrogen carbonate	15kg	☆
38149-00	Sodium hydrogen sulfite	500g	1,300
38150-00	Sodium hydroxide	500g	1,100
38150-80	Sodium hydroxide	20kg	☆
38151-00	Sodium phosphinate monohydrate	500g	2,800
38152-00	Sodium hydrogen carbonate	500g	1,200
38152-80	Sodium sulfate	20kg	☆
38153-00	Sodium sulfite	500g	1,000
38154-00	Sodium thiosulfate pentahydrate	500g	1,700
38154-80	Sodium thiosulfate pentahydrate	15kg	☆
38155-00	Stearic acid	500g	3,000
38156-00	Sulfuric acid	500mL	900
38156-80	Sulfuric acid	15kg	☆
41119-00	L (+)-Tartaric acid	500g	3,600
41120-00	Tetrahydrofuran	500mL	1,900
41120-80	Tetrahydrofuran	15kg	☆
41121-00	Toluene	500mL	900
41121-80	Toluene	15kg	☆
41122-00	Triethylamine	500mL	1,900
41123-00	Trisodium citrate dihydrate	500g	2,200
41123-80	Trisodium citrate dihydrate	10kg	☆
41124-00	Trisodium phosphinate 12-water	500g	1,500
41124-80	Trisodium phosphinate 12-water	15kg	☆
41125-00	2,2,4-Trimethylpentane	500mL	2,000
41125-80	2,2,4-Trimethylpentane	12kg	☆
41126-00	Tripotassium citrate monohydrate	500g	2,000
43103-00	Urea	500g	1,700
43103-80	Urea	10kg	☆
46071-00	Xylene	500g	1,100
46071-80	Xylene	15kg	☆
48137-00	Zinc chloride	500g	2,800

RoHS Reagent chemical other than 182 items.

* Standard addition and setup of a RoHS controlled substance

When you wish, according to the contents of demand, I will consult about a standard addition and setup of a "RoHS controlled substance."

※Please consult to nearby office of our

* A request of analysis of the quality of a RoHS instruction subject.....

About the analysis of a RoHS control subject substance to products other than a "RoHS Reagent chemical" reagent, it hears for counter value. (Metal 4 substance : JP¥40,000.~/ item, Flame retardant 2 Substance : JP¥60,000.~/ item)

※Please consult to nearby office of our company

INFORMATION

We have enough in stock broadly the product effective in analysis of a RoHS control subject substance besides a "RoHS reagent". Introduce the details of each product for the following pamphlet. Please ask to a nearby office in the case of demand.

▶▶▶ Allied products Pamphlet

『Fire retardant reference solution corresponding to RoHS Directives』

..... It is business about a mixed reference solution convenient for analysis of flame retardant "PBDE", "PBB".

Moreover, we are introducing the capillary column for gas chromatography analysis etc...as allied products.

『The reagent for metal analysis』

..... Various metal ion reference solutions and a reagent for a pretreatment, which are used for atomic absorption analysis, ICP analysis, etc...The item suitable for analysis of "RoHS Directives" controlled substance is indicated.



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REAGENT DIVISION

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