

## JAMPとIEC62474の比較

項目	JAMP(全般)	IEC62474(電気・電子機器)
推進団体	JAMP(アークティクルマネジメント推進協議会) (Joint Article Management Promotion consortium)	IEC(国際電気標準会議) (International Electro technical Commission)
利用企業	<b>404会員</b> (業界団体としての参加 : 日本自動車工業会、日本電機工業会、日本鉄鋼連盟等)	電機・電子産業の世界企業が参照
伝達対象の相違	・ <b>成形品全般</b> に適用される報告対象物質約5000物質 (RoHS指令6物質、REACH SVHC、発がん性クラス1, 2等)	・ <b>電気・電子機器</b> に適用される報告対象物質約2500物質。 (RoHS指令6物質、REACH SVHC等) ・閾値以上の場合は物質宣言(閾値未満でも宣言可)
伝達項目の相違	製品-階層-部品-材質-物質  (一例) スイッチ-コンデンサ-誘電体-硝子-Pb 9.3%	・製品-物質群-物質 または ・製品-部品-材料-物質群-物質 等 (※部品中の部品という形で、さらに下のレベルまで記載させることが可能)  (一例) ・コンデンサ-鉛及び化合物9.3% または ・スイッチ-コンデンサ-誘電体-硝子-鉛及び化合物-Pb 9.3%
情報の授受にあたって考え方の相違	情報の授受においては双方の当事者間でお互いが対象とする物質の範囲を確認合意し、AISの発行者がその責任において発行したものを、川下としてはこれを甘受する。 (JAMP AISSDSplusの活用-情報伝達の基本的考え方-より) (2012年4月)	企業はデータの有益性と質に妥協する事なく、材料組成のデータを得るために最も適切な方法を決める柔軟性を持つ。 (IEC規格書 1. 適用範囲より)(2012年3月)
備考	川上主要企業5社は、MSDSplusによる情報提供とJAMP-ITを利用した情報授受を行うことを表明(2010年11月)	・日本では、旧JGPSSI(グリーン調達調査共通化協議会)が <b>電機・電子8社</b> で発足。IEC 62474の発行に伴い、発展的に解消し、IEC国内委員会VT62474に参画して活動 ・ツール化に関するガイダンスをTC111 WG1にて検討中(2013年11月頃発行予定)

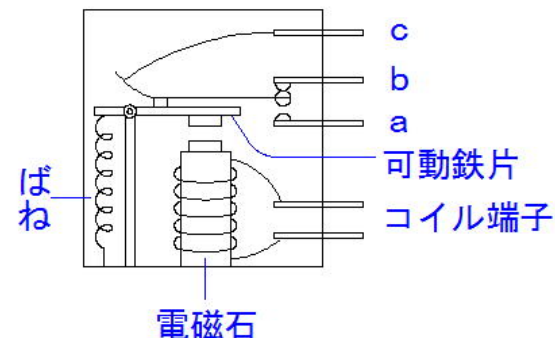
硝子中の鉛は適用除外であるが、この情報だけではわからない。

# AISでのリレーに関する情報開示例

作成者(通常サプライヤ)が製品構成に応じて、部  
位—材質—含有物質(管理物質が含まれる場合)  
と濃度、除外用途を報告

⇒受領者が記述内容から順法状況を判断

川下製品の法規制に詳しくないサプライヤも組成  
情報を有して居れば容易に記述できる



## 4. 組成成分情報(成形品)

成形品	報告単位 *	個
	質量 *	50.0001
	質量単位 *	g
組成成分情報に関する宣言 *		1. 本製品は、記載のとおり報告物質該当法令等に該当する物質の含有を確認しております
材質質量総計		集計 50.0001g (100.0%)
GADSL		1. GADSLを対象とする
JIG		1. JIGを対象とする

## 4. 組成成分情報(成分表)

成分表初期化 集計  
 選択行削除 物質情報更新 エラーチェック XML一時保存 XML出力

階層 追加	部品		材質							物質							
	名称	数量	名称 *	数量 *	用途 *	分類記号 *	名称	質量 *	単位 *	公的規格	備考	CAS番号	物質名	含有率	質量	単位	備考
			導体	2.0	1.母材	R102	非合金、低合金鋼	7.0	g			7440-50-8	Copper	100.0%	7.0	g	
			絶縁体(白)	1.0	2.被覆	P514	PVC	4.5	g			117-81-7	Bis(2-ethylhexyl)phthalate; Di(2-ethylhexyl)phthalate; DEHP	25.0%	1.125	g	
			絶縁体(黒)	1.0	2.被覆	P514	PVC	4.5	g			117-81-7	Bis(2-ethylhexyl)phthalate; Di(2-ethylhexyl)phthalate; DEHP	25.0%	1.125	g	
			介在	1.0	1.母材	N713	繊維	5	g								
			押さえテープ	1.0	1.母材	N712	紙	2	g								
			シース	1.0	2.被覆	P514	PVC	20	g			117-81-7	Bis(2-ethylhexyl)phthalate; Di(2-ethylhexyl)phthalate; DEHP	30.0%	6.0	g	
		12.(表面処理系)マーキング															

含有物質の記述がないことに対して、規制に該当する物質がないことが保証されているのか不明瞭との意見がある

# IEC62474ツール(Intel作成)における情報開示方法

JGPSSIIに比較的近い様式であるので例示

RHHS Substance Group	JIG Substance Group (JIG-101 E4.1)	JIG Substance List (JIG-101 E4.1)	Description of Use (Reportable Application)	Homogeneous Threshold	Above Threshold? (Yes/No)	Substance Mass% of homogeneous part	Homogeneous material name	Exemption	Comments
Cadmium/Cadmium Compounds	All	0.01 % by weight (100 ppm) of homogeneous materials.	0.01 % by weight (100 ppm) of homogeneous materials.	Yes	0.0000				
Chromium VI Compounds	All	0.1 % by weight (1,000 ppm) of homogeneous materials.	0.1 % by weight (1,000 ppm) of homogeneous materials.	Yes	0.0000				
Lead/Lead Compounds	All except as noted in the JIG Substance Group section	0.1 % by weight (1,000 ppm) of homogeneous materials.	0.1 % by weight (1,000 ppm) of homogeneous materials.	Yes	0.0000				
Mercury/Mercury Compounds	All except batteries	Intentionally added or 0.1 % (1000 ppm) of homogeneous material	Intentionally added or 0.1 % (1000 ppm) of homogeneous material	Yes	0.0000				
Polychlorinated Biphenyls (PCBs)	All	0.1 % by weight (1,000 ppm) of homogeneous materials.	0.1 % by weight (1,000 ppm) of homogeneous materials.	Yes	0.0000				
Polychlorinated Biphenyls (PCBs)	All	0.1 % by weight (1,000 ppm) of homogeneous materials.	0.1 % by weight (1,000 ppm) of homogeneous materials.	Yes	0.0000				

RHHS Substance Group	JIG Substance Group (JIG-101 E4.1)	JIG Substance List (JIG-101 E4.1)	Description of Use (Reportable Application)	Article Threshold	Above Threshold? (Yes/No)	Substance Mass% of product part	Comments
Coarse Depilating Substances	All	Intentionally added	Intentionally added	Yes	0.0000		
Brominated Flame Retardants (other than PBBs, PBDEs or HBCDD)	Plastic materials except printed wiring board laminates	0.1 % by weight (1000 ppm) of the plastic material	0.1 % by weight (1000 ppm) of the plastic material	Yes	0.0000		
Cadmium/Cadmium Compounds	Batteries	0.0005 % by weight (5 ppm) of battery	0.0005 % by weight (5 ppm) of battery	Yes	0.0000		
Chlorine (Cl2) Compounds	All	0.1 % by weight (1000 ppm) of tin in a material	0.1 % by weight (1000 ppm) of tin in a material	Yes	0.0000		
Fluorinated greenhouse gases (PFC, SF6, HFC)	All	Intentionally added	Intentionally added	Yes	0.0000		
Polyvinyl chloride (PVC) & PVC Copolymers	All	0.1 % by weight (1000 ppm) of product	0.1 % by weight (1000 ppm) of product	Yes	0.0000		
Lead/Lead Compounds	Consumer products designed or intended primarily for children 12 years of age or younger	0.01 % by weight (100 ppm) of the product	0.01 % by weight (100 ppm) of the product	Yes	0.0000		
Lead/Lead Compounds	Paint and similar surface coatings of toys and other articles intended for use by children	0.009 % by weight of surface coating	0.009 % by weight of surface coating	Yes	0.0000		
Lead/Lead Compounds	Cables/cords with thermoseal or thermoplastic coatings	0.00 % by weight (1000 ppm) of surface coating	0.00 % by weight (1000 ppm) of surface coating	Yes	0.0000		
Asbestos	All	Intentionally added	Intentionally added	Yes	0.0000		
Radioactive Substances	All	Intentionally added	Intentionally added	Yes	0.0000		
Mercury/Mercury Compounds	Batteries	0.0001 % by weight (1 ppm) of battery	0.0001 % by weight (1 ppm) of battery	Yes	0.0000		
Perchlorates	All	0.000006 % by weight (0.06 ppm) of the product	0.000006 % by weight (0.06 ppm) of the product	Yes	0.0000		
Perfluorocarbons (PFCs)	All	Intentionally added	Intentionally added	Yes	0.0000		
Azobenzene and azobenzene derivatives	Textiles and leather	0.00 % by weight (30 ppm) of the finished textile/leather article	0.00 % by weight (30 ppm) of the finished textile/leather article	Yes	0.0000		
Polychlorinated Biphenyls (PCBs) Group 2 (DIBP, DIBP, DIBP)	Children's toys or child care articles that can be placed in child's mouth	0.1 % by weight (1000 ppm) of plasticized material	0.1 % by weight (1000 ppm) of plasticized material	Yes	0.0000		
Polychlorinated Biphenyls (PCBs) and specific substitutes	All	Intentionally added	Intentionally added	Yes	0.0000		
Polychlorinated Biphenyls (PCBs)	All	Intentionally added	Intentionally added	Yes	0.0000		
Short-chain Chlorinated Paraffins (SCCPs) (C10 - C13)	All	0.1 % by weight (1000 ppm) of the product	0.1 % by weight (1000 ppm) of the product	Yes	0.0000		
Refractory Ceramic Fibers, Aluminosilicate	All	0.1 % by weight (1000 ppm) of the product	0.1 % by weight (1000 ppm) of the product	Yes	0.0000		
Refractory Ceramic Fibers, Zirconia Aluminosilicate	All	0.1 % by weight (1000 ppm) of the product	0.1 % by weight (1000 ppm) of the product	Yes	0.0000		
Tri-substituted organotin compounds	All	0.1 % by weight (1,000 ppm) of tin in a material	0.1 % by weight (1,000 ppm) of tin in a material	Yes	0.0000		
Brominated Flame Retardants (other than PBBs, PBDEs or HBCDD)	Printed wiring board laminate	0.00 % total bromine content by weight (900 ppm) in laminate	0.00 % total bromine content by weight (900 ppm) in laminate	Yes	0.0000		
Solvent Phthalates Group 1 (DBP, DEHP, DIBP)	Children's toys or child care article	0.1 % by weight (1000 ppm) of plasticized material	0.1 % by weight (1000 ppm) of plasticized material	Yes	0.0000		
Nickel	All, where prolonged skin contact is expected	Intentionally added	Intentionally added	Yes	0.0000		
Formaldehyde	Textiles	0.0075 % by weight (75 ppm) of textile product	0.0075 % by weight (75 ppm) of textile product	Yes	0.0000		
Formaldehyde	Composite Wood (plywood, particle board, MDF) products or components	Intentionally added	Intentionally added	Yes	0.0000		
Phenol, 2-(2H-benzofuran-2-yl)-4,6-bis(1,1-dimethylethyl)	All	Intentionally added	Intentionally added	Yes	0.0000		
Chlorinated flame retardants	Plastic materials except printed wiring board laminates	0.1 % total chlorine content by weight (1000 ppm) in the plastic material	0.1 % total chlorine content by weight (1000 ppm) in the plastic material	Yes	0.0000		
Chlorinated flame retardants	Printed wiring board laminate 4	0.09 % total chlorine content by weight (900 ppm) in the laminate	0.09 % total chlorine content by weight (900 ppm) in the laminate	Yes	0.0000		

サプライヤが、各物質(群)で閾値を超えていないこと、または除外用途に該当することの記述により、順法宣言

(前頁の指摘に類似して)記載された材料や構成部品についての宣言内容は確認出来るが、記載されていない材料や構成部品については、閾値を超える含有がないのか、宣言出来る根拠がないのかは不明である

RHHS Substance Group	JIG Substance Group (JIG-101 E4.1)	JIG Substance List (JIG-101 E4.1)	Reportable Application	Threshold	Above Threshold? (Yes/No)	Substance Mass% of product part	Authority	Number	Comments
Diamine Picric Acid	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	1309-79-2		
Diamine trichloro	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	1327-53-3		
Gobalt dichloride	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	7946-79-9		
Lead chromate	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	7756-97-6		
Lead chromate molybdate sulfate red (2:1 Phosphate Red 104)	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	1956-65-6		
Lead sulfochromate yellow (CI Pigment Yellow 34)	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	1344-97-2		
Di(2-ethylhexyl) sebacate (DEHS)	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	117-61-7		
Dibutyl phthalate (DBP)	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	84-74-2		
Butylbenzyl phthalate (BBP)	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	85-88-7		
Diisobutyl phthalate (DIBP)	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	84-69-5		
Tributyl Tin Oxide (TBTO)	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	89-39-9		
Tri(2-chloroethyl) phosphate (TCEP)	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	119-98-6		
1,3-bis(2-chloroethyl) phosphazene hydrate	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	12267-73-1		
Dioctyl tetraborate, ethylene	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	1303-96-4, 1305-42-4, 12719-04-3		
Boric Acid	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	10043-35-2, 11119-50-1		
Hexachlorocyclotriphosphazene (HBCDD) and all major diastereoisomers	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	25637-89-4, 11845-50-6, 13427-91-7, 13427-92-8		
Beryllium oxide (BeO)	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	1304-58-9		
Dimethyl fumarate	All	0.00001 % by weight (0.1 ppm) of a material	0.00001 % by weight (0.1 ppm) of a material	Yes	0.0000	CAS	624-69-7		
1,2-Benzenediacarboxylic acid, di-C8-9-branched ethyl esters (C8-9-BE) (SABP)	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	71889-69-6		
1,2-Benzenediacarboxylic acid, di-C7-11-branched and linear ethyl esters (SMBE) (SBE2-methoxyethyl) ether	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	8615-42-4		
Bi(2-methoxyethyl) sebacate	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	111-86-6		
2,2'-dibutyl-4,4'-bis(2-methoxyethyl) ethane	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	117-62-6		
2,2'-dibutyl-4,4'-bis(methoxyethyl) ethane	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	101-14-4		
Bi(2-methoxyethyl) ether	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	111-86-6		
Bi(2-methoxyethyl) phthalate	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	117-62-6		
2,2'-bis(4-oxo-4'-methylpentadecane) (BODCA)	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	101-14-4		
N,N'-dimethylacetamide (DMAc)	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	127-19-5		
Phthalic anhydride	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	49663-84-5		
Phthalic anhydride	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	1103-66-9		
Phthalic anhydride	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	7799-06-2		
4-(1,1,3,3-tetrahydrobutyl)phenol, 2-tert-Octylphenol	All	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	140-69-9		
Di-n-hexyl phthalate (DnHP)	Cords, cables, wires, etc. with external exposure risk (California Prop 65 substance only)	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	84-79-3		
Di-n-octyl phthalate (DnOP)	Cords, cables, wires, etc. with external exposure risk (California Prop 65 substance only)	0.1 % by weight (1,000 ppm) of the product	0.1 % by weight (1,000 ppm) of the product	Yes	0.0000	CAS	247-977-1, 271-091-4		

1製品につき、この法規制対象物質(群; 但し重複する場合には法令ごと)について、閾値に対する超過の有無、濃度や含有材料情報を記述する  
 ※複合部品あるいは複数の材料に対象物質の含有がある場合には、これらセットを複数記述することになるとされる(IEC62474 4.3.4 d)の規定による)