

JAMP Object substances list

- JAMP object substances are the substances regulated by the following regulations and will be revised based on JAMP members agreement if necessary.

Japanese laws	European laws
Chemical control act(the 1 st specified substances)	2002/95/EC (RoHS directive)
Industrial safety and health law(production prohibition substances)	2000/53/EC (ELV directive)
Poisonous and deleterious substances control law (the specified poisonous substances)	67/548/EEC (Annex 1, CMR-Cat1,2)
	76/769/EEC (other than 67/548/EEC, Annex 1, CMR-Cat1,2

Please see the details on JAMP website for your reference.



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2(3),(4)description criteria and disclosure scope of the contained substance contained

- You can judge JAMP object substance is **contained** in the product if the following condition 1 or 2 applies.
 - 1 JAMP object substance is added or contained intentionally
 - 2 It is well known that JAMP object substance is added or contained.
- In case of applying 1, you should describe “JAMP object substance is **contained** “. Also you should **add and transfer the following subjects information of the substance**.
 A: substance name B: CAS number
 C: concentration (wt% or ppm)D: object criteria(e.g.regulation)
 note: You need not describe the above A-D information of any ingredients other than the object substance.
- **In case of not applying 1**, you should describe “JAMP object substance is **not contained** “.
- As for the information of any ingredients other than intentionally added ingredients, the industries which offer MSDS plus should describe and transfer it voluntarily and kindly in consideration with the concern for downstream firm, manufacturing method, containing possibility and the due date of information transferring.



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- The industry which receives MSDS plus shall judge whether the each ingredient in his product falls under **the legally regulated substance or the object substances based on industrial standards.**
- MSDS plus shall describe whether each ingredient of substance and/or preparation falls under JAMP object substances.
- The object substance in article may exempt from the **regulations** because chemical and/or physical change may occur when changing from substances and/or preparations to articles.
- The object substance in article may exempt from the **regulations** in accordance with usage and use condition of article or finished product.



3 MSDS plus format usage and offering obligation

- Transferring information through MSDS plus is not your obligation.
- But it is desirable because MSDS plus format is standardized based on agreement with whole supply chain players.
- MSDS plus developer has only to offer when he received the request. Also he can offer it without request.



4 limitation of applying stricter criteria

- In principle, applying stricter criteria to the existing MSDS plus criteria, especially object substance criteria, is prohibited.
- If applying stricter criteria is necessary, you shall request JAMP secretary to revise the applicable criteria.
- After receiving the above request, JAMP MSDS plus/ object substances revision committee will study how to tackle the problem.



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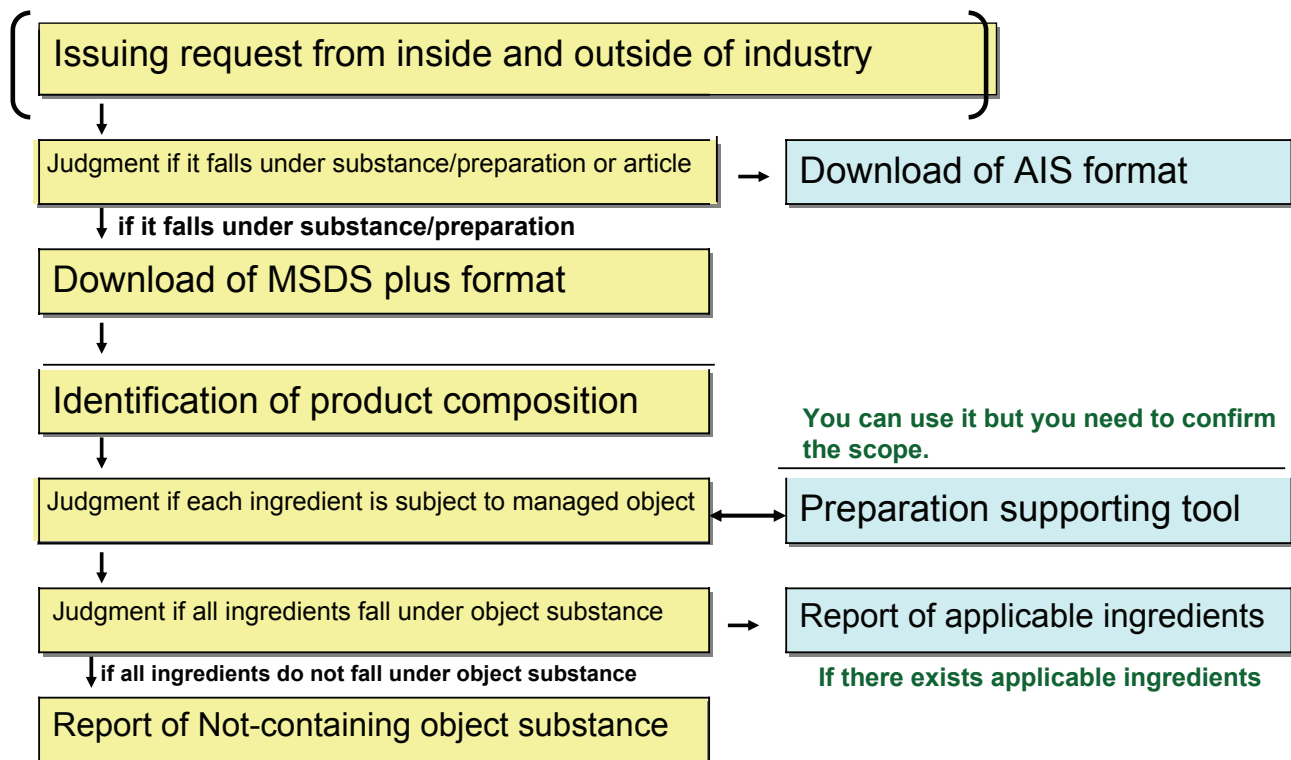
5 parallel use of MSDS and MSDS plus

- In principle MSDS should be supplied with MSDS plus.
- However it is accepted that MSDS is not supplied with MSDS plus if providing MSDS is not mandatory.
- If MSDS describes all the content of MSDS plus, MSDS developer should describe as such in the remarks column and/or the 16th chapter of MSDS before transferring it.



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MSDS plus preparation general flow chart



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Starting MSDS plus usage

Example of concrete implementation procedures

- 1 downloading essential documents from JAMP website and training/trial
- 2 establishment of handling policy/ company rule and holding an explanatory meeting
- 3 investigation of ingredients information which are contained in own brand product/ raw material
- 4 investigation/ organization of the existing object substances information contained in products
- 5 cooperation request to suppliers/ customers (document preparation/ request)
- 6 information offering request to suppliers by using MSDS plus
- 7 information offering to customers by using MSDS plus and MSDS
- 8 pool and management of information which is already collected and offered
- 9 participation of JAMP seminar and collecting information in the future
- 10 adaptation to AIS and management guideline in the future



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- Updating of management object criteria
 - response associated with the publication of **REACH SVHC** list

- Updating of preparation supporting tools

- Global response
 - adaptation to various languages

JAMP MSDSplus

Document No.	
Format Version	2.00
Date Prepared	
Date Revised	

This sheet provides supplemental chemical information of our product not covered by MSDS. Please refer to this sheet associating with MSDS.

1. Product and Company Information

Product Name	
Product Code	
Generic Name	
Supplier Identification	
Company Code	
Address	
Contact Point	
Phone Number	
Fax Number	
E-mail Address	
Authoring Division	
Phone Number	

2. Substance Information

Name	CAS No.	Conc.	unit	Relevant Standard ¹⁾								Remarks	
				JP 01	JP 02	JP 03	JP 04	EU 01	EU 02	EU 03	EU 04		

3. Relevant Standard Information

Code	Relevant Standard	Issued or revised
JP01	Japanese Chemical Substances Control Law (Class I Specified Chemical Substances)	
JP02	Industrial Safety and Health Act (Substances Prohibited of Manufacturing etc.)	
JP03	Poisonous and Deleterious Substances Control Law (Specified Poisonous Substances)	
EU01	ROO285/EC (RoHS Directive)	
EU02	ROO053/EC (ELV Directive)	
EU03	EU03/1548/EEC (Annex I CMR - Cat 1)	
EU04	EU04/1875/EEC (other than EU03/1548/EEC Annex I CMR - Cat 1)	

*1 * is marked if a substance listed in the relevant standard and to be notified is intentionally added or known to be contained.
 *2 * does not directly mean legally regulated. It depends on use and other conditions.
 *3 Notified if there is additional information.
 * For more information please refer to "How to make JAMP MSDSplus".



MSDS plus format

- The format to clarify inclusion of JAMP object substances
- Complement MSDS information Up-stream firms provide it on a voluntary basis
- Transfer the following information to middle-stream and down-stream firms(finished product manufacturers)
 - Relevant standard
 - “contain” or “not contain”
 - Substance name
 - CAS number
 - concentration

JAMP MSDSplus

Document No.	
Format Version	2.00
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Address	
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Phone Number	
Fax Number	
E-mail Address	
Authoring Division	
Phone Number	

2. Substance Information

Name	CAS No.	Conc.	unit	Relevant Standard ¹⁾								Remarks	
				JP 01	JP 02	JP 03	JP 04	EU 01	EU 02	EU 03	EU 04		

3. Relevant Standard Information

Code	Relevant Standard	Issued or revised
JP01	Japanese Chemical Substances Control Law (Class I Specified Chemical Substances)	
JP02	Industrial Safety and Health Act (Substances Prohibited of Manufacturing etc.)	
JP03	Poisonous and Deleterious Substances Control Law (Specified Poisonous Substances)	
EU01	ROO285/EC (RoHS Directive)	
EU02	ROO053/EC (ELV Directive)	
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EU04	EU04/1875/EEC (other than EU03/1548/EEC Annex I CMR - Cat 1)	

*1 * is marked if a substance listed in the relevant standard and to be notified is intentionally added or known to be contained.
 *2 * does not directly mean legally regulated. It depends on use and other conditions.
 *3 Notified if there is additional information.
 * For more information please refer to "How to make JAMP MSDSplus".



Format information

- Document number •MSDS plus reference number specified by MSDS plus developer
- Format version • MSDS plus format version number specified by JAMP
- Date prepared • The date when JAMP MSDS plus was prepared first
- Date revised • the date when JAMP MSDS plus was revised finally

JAMP MSDSplus

Document No.	
Format Version	2.00
Date Prepared	
Date Revised	

This sheet provides supplemental chemical information of our product not covered by MSDS. Please refer to this sheet associating with MSDS.

1.Product and Company Information

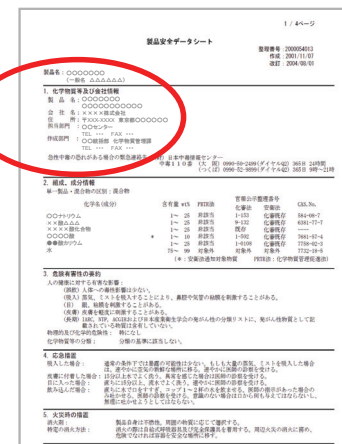
Product Name	
Product Code	
Generic Name	
Supplier Identification	
Company Code	
Address	
Contact Point	
Phone Number	
Fax Number	
E-mail Address	
Authoring Division	
Phone Number	



Product and company information

- Change MSDS content as little as possible
 - Concern for MSDS and MSDS plus parallel use
 - More easier for MSDS developer to prepare MSDS plus easily

Product name	*****
Product number	Not mandatory (blank is accepted)
General name	*****
Company name	***** company limited
Company ID	Not mandatory (blank is accepted)
Address	
The window department	
Telephone number	
Fax number	
e-mail address	Not mandatory (blank is accepted)
The involved department	Not mandatory (blank is accepted)
Telephone number	

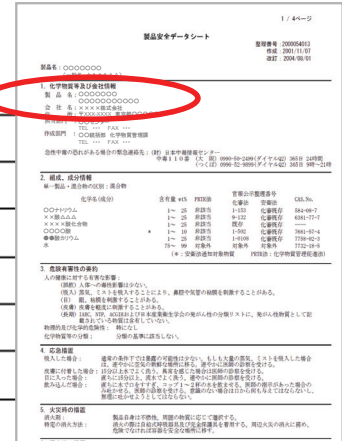


Product and Company Information

- Product name : Name should be the same as that specified in the MSDS
 - Product Code : Write the item number or serial number of the product to specify the product
(Not the customer's specified product number of your product)
 - > Leave this place blank if no management number is provided for the product
- Generic Name : Name should be the same as that specified in the MSDS
(Example : Polypropylene, adhesive agent for rubber etc.)

1. Product and Company Information

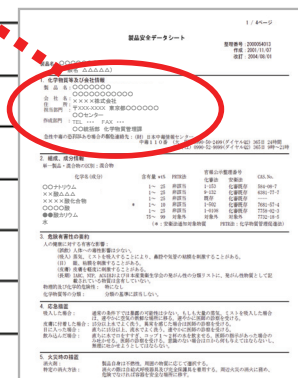
Product Name	○○○○○○
Product Code	
Generic Name	△△△△△
Supplier Identification	
Company Code	
Address	
Contact Point	



Product and Company Information

- Company Name : Name should be the same as that specified in the MSDS
 - Company Code : Identification of your company such as EDI code or DUNS number
(Not the customer's specified company code of your company)
 - > Leave this place blank if no number has been provided
- E-mail Address : Write the pilot e-mail address of the division in charge of MSDSplus preparation or management
> Leave this place blank if the division has no e-mail address
- As needed, write the name of the MSDSplus authoring division

Supplier Identification	XXXXX Co., Ltd.
Company Code	
Address	1234 XXXX, Tokyo, Japan
Contact Point	XXXX Division
Phone Number	00-1234-5678
Fax Number	00-8765-4321
E-mail Address	
Authoring Division	
Phone Number	



Substance Information

- Relevant Standards : Relevant laws and regulations, Self-restrictions (JGPSSI, GADSL etc.)
- Substance(s) to be notified : Targeted substance of the relevant laws, regulations and self-restrictions

2.Substance Information

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Substance(s) To Be Notified				Relevant Standard ¹⁾							Remarks ²⁾
Chemical Name	CAS No.	Conc.	unit	JP 01	JP 02	JP 03	EU 01	EU 02	EU 03	EU 04	

3.Relevant Standard Information

Code	Relevant Standard	issued or revised
JP01	Japanese Chemical Substances Control Law (Class 1 Specified Chemical Substances)	
JP02	Industrial Safety and Health Act (Substances Prohibited of Manufacturing etc.)	
JP03	Poisonous and Deleterious Substances Control Law (Specified Poisonous Substances)	
EU01	2002/95/EC (RoHS Directive)	
EU02	2000/53/EC (ELV Directive)	
EU03	67/548/EEC [Annex I CMR – Cat1,2]	
EU04	76/769/EEC [other than 67/548/EEC Annex I CMR – Cat1,2]	

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Substance Information

- If you have been informed that a substance to be notified is “intentionally added” or “known to be contained” in a product, specify the following sentence in the Substance Information space:

“This product contains the following substance(s) listed in the relevant standard and to be notified.”

- In addition, present information on the substance(s) in the list below the Substance Information space. Otherwise, specify in the same column

“This product contains no substances in the relevant standard and to be notified.”

Leave the same list blank.

- The phrase “known to be contained” here means that it is clear that a substance to be notified is contained in a product because, “the material supplier informed you that a substance to be notified is contained therein” or “you confirmed data that shows that a substance to be notified is contained in the product in some manner.”

The number of list lines can be decreased or increased as needed.

2.Substance Information

This product contains no substances in the relevant standard and to be notified.

Substance(s) To Be Notified				Relevant Standard ¹⁾							Remarks ²⁾
Chemical Name	CAS No.	Conc.	unit	JP 01	JP 02	JP 03	EU 01	EU 02	EU 03	EU 04	

Substances information

- If the substances fell under the criteria of “Substances To Be Notified”,
 - Please fill in “ This product contains substances which fall under the criteria of Substances To Be Notified.”
 - Describe the substances information in the following table.

2.Substance Information

If there are any remarks, e.g. use information etc...

This product contains substances which fall under the criteria of substances to be notified.

Substance(s) To Be Notified				Relevant Standard ^{*1}								Remarks ^{*2}
Chemical Name	CAS No.	Conc.	unit	JP 01	JP 02	JP 03	EU 01	EU 02	EU 03	EU 04		
○○○○○	XXX-XX-X	○○	ppm	●								

Chemical Name: Please fill in it under the relevant standard.

※If the substance fell under multiple relevant standards and the substance name was listed in different name among relevant standards, Please fill in one of those.

Conc.: Regardless of threshold, please fill in the value you have.

Relevant Standard: Please check all that apply. "●" is marked if a substance listed in the relevant standard and to be notified is intentionally added or known to be contained.



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CAS No, Concentration

- CAS No: Please fill in the CAS No listed in “Relevant Standard”.
 - In the following cases, please fill in “-”, and describe the explanation in the remarks.
 1. If there are no CAS No.
 2. If there multiple CAS Nos.
 3. If the CAS No was different, due to isomers.
 4. If the CAS No was defined by Relevant Standard.
- Concentration
 1. If the concentration is unique, : 「○○」
 2. If there is a range in concentration, 「○○-○○」
 3. If the concentration is limited by a ceiling, : 「-○○」

Unit is wt% or ppm

 - effective digit and digit number are decided considering relevant standard on a case-by-case basis.



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Relevant Standard Information

- Relevant Standard Information : Relevant substances regulations, self-imposed controls(JGPSSI,GADSL etc...)
 - Some regulations and self-imposed controls which could be necessary of provision of information.
 - This standard would be review based on legal changes and internationalization.
- Issued or revised : Revised and amended date of regulations
 - The creator must have a responsibility of regulatory compliance by itself.
 - JAMP provides referential relevant substances information.

3.Relevant Standard Information

Code	Relevant Standard	issued or revised
JP01	Japanese Chemical Substances Control Law (Class I Specified Chemical Substances)	
JP02	Industrial Safety and Health Act (Substances Prohibited of Manufacturing etc.)	
JP03	Poisonous and Deleterious Substances Control Law (Specified Poisonous Substances)	
EU01	2002/95/EC (RoHS Directive)	
EU02	2000/53/EC (ELV Directive)	
EU03	67/548/EEC [Annex I CMR – Cat1,2]	
EU04	76/769/EEC [other than 67/548/EEC Annex I CMR – Cat1,2]	



If you get MSDS plus, how to handle this information?

- Consistent with the material information in AIS or green procurements.

JAMP MSDSplus

Document No.	
Format Version	2.01E
Date of Prepare	
Date of Revised	

This sheet provides supplemental chemical information of our product not covered by MSDS. Please refer to this sheet associating with MSDS.

Product and Company Information	
Product Name	
Product Code	
Generic Name	
Supplier Identification	
Company Code	
Address	
Contact Point	
Phone Number	
Fax Number	
E-mail Address	
Authoring Division	

Parts Name	xxxxx
Material Name	C3602BD
Weight	100g

Consistent with the material information

2.Substance Information

Substance(s) To Be Notified	Relevant Standard						Remarks
	CAS No.	Conc.	unit	JP	EU	EU	
		3%		●	●	●	

Lead and lead compound are contained in 3%,so
 $100(g) \times 0.03 = 3(g)$

This product contains the substances regulated by RoHS however, this use is exempted.

3.Relevant Standard Information

Code	Relevant Standard	issued or revised
JP01	Japanese Chemical Substances Control Law (Class I Specified Chemical Substances)	
JP02	Industrial Safety and Health Act (Substances Prohibited of Manufacturing etc.)	
JP03	Poisonous and Deleterious Substances Control Law (Specified Poisonous Substances)	
EU01	2002/95/EC (RoHS Directive)	
EU02	2000/53/EC (ELV Directive)	
EU03	67/548/EEC [Annex I CMR – Cat1,2]	
EU04	76/769/EEC [other than 67/548/EEC Annex I CMR – Cat1,2]	

*1 ● is marked if a substance listed in the relevant standard and to be notified is intentionally added or known to be contained.
 *2 ● does not directly mean legally regulated. It depends on use and other conditions.
 *3 Notified if there is additional information.
 *4 For more information please refer to "How to make JAMP MSDSplus".



This information would be useful for integration of whole materials in product, and compliance check.



Appendix 3

Presentation of JAMP AIS

Outline of JAMP Activities and JAMP AIS



1

Information transfer on chemical substances contained in products in the supply chain

Problems of information transfer on chemical substances contained in products in the supply chain

- i) No scheme to transfer information of chemical substances contained in article
 - Conspicuous economic burdens in responding to individual procurement surveys
- ii) No common rules to manage chemical substances contained in articles
 - Lowering the confidence of the survey information, locus of responsibility is unclear



JAMP believes developing and promoting the following schemes are the urgent task

- The scheme to transfer the information of chemical substances which can be used to comply with the international regulations
- The scheme to transfer the information of chemical substances contained in the products which can be used between worldwide industries

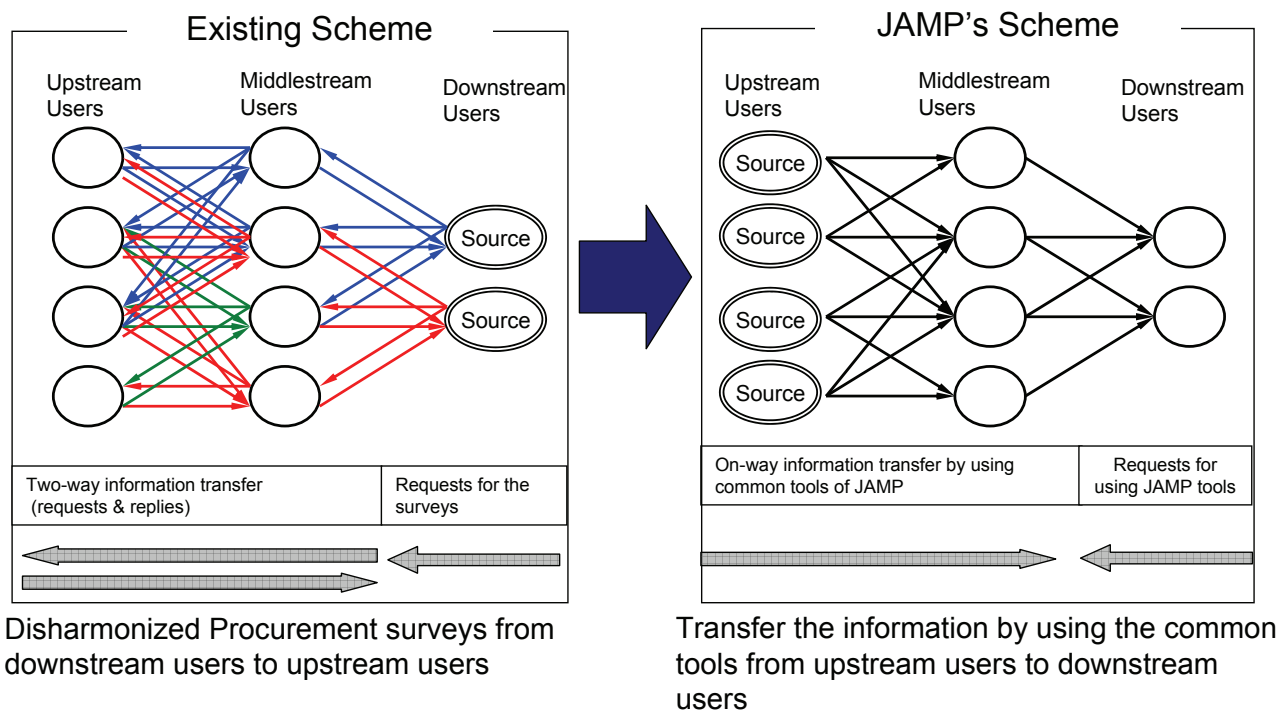


JAMP will propose a cross-industrial scheme to declare and to communicate the information contained in the products to solve such problems and also to correspond to REACH.



2

Image of JAMP tools applied to the supply chain



JAMP Scheme

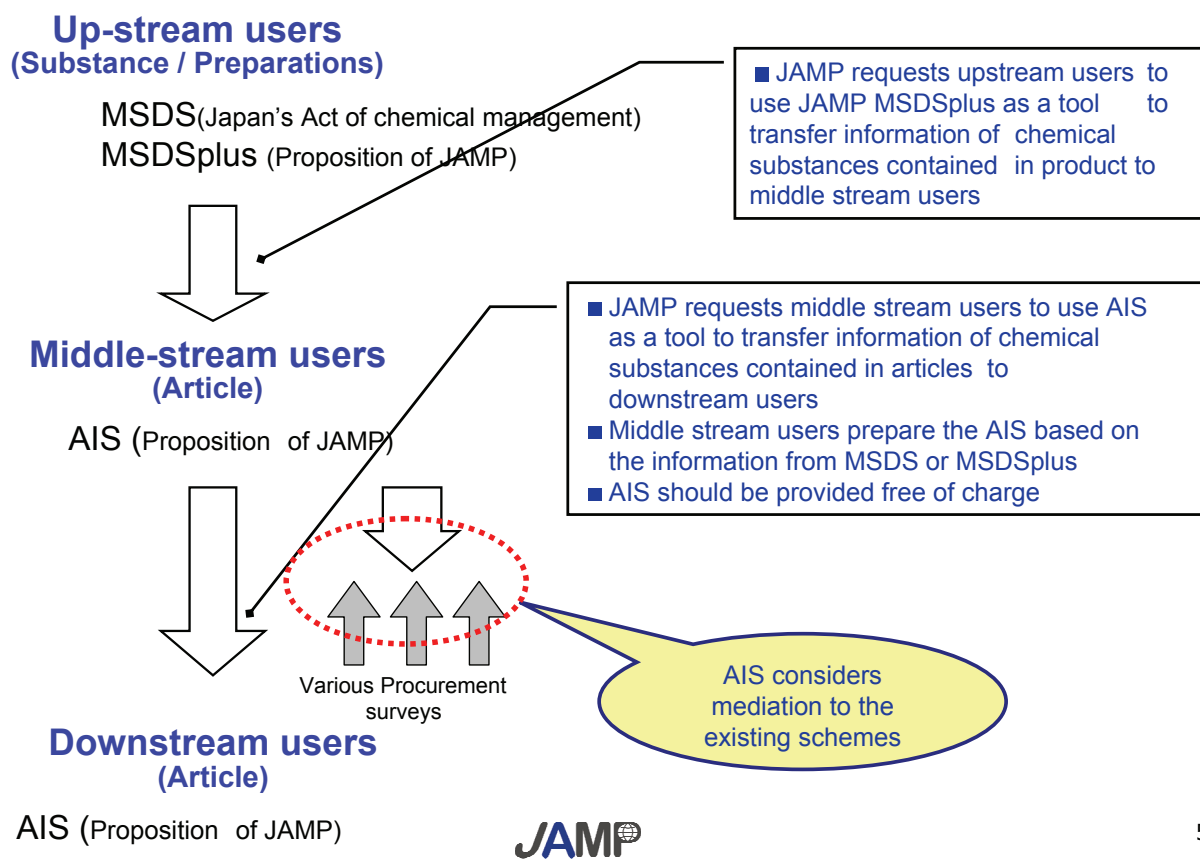
To promote the usage of JAMP's common tools, JAMP will develop a scheme to achieve the following goals.

- ◆ to facilitate smooth and appropriate information transfer about chemical substances contained in the products in the supply chain
- ◆ to promote and support the information management on chemical substances to small & medium industries of middle-stream users that manufacture, sell and by the articles.

Basic policies of JAMP's scheme is as follows;

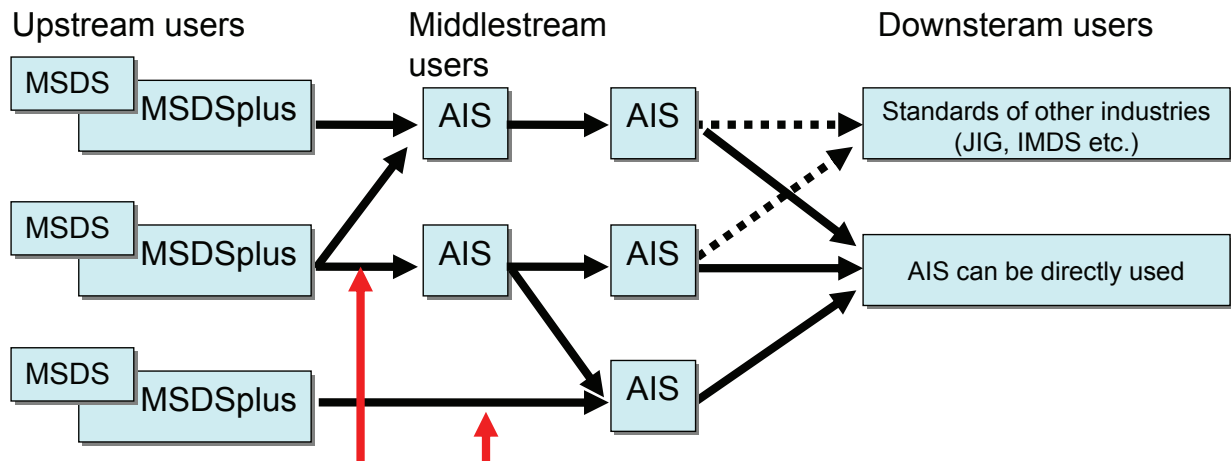
- 1) Use JAMP MSDSplus and JAMP AIS for the information transfer
- 2) Transfer the latest information with grounds as soon as possible

Relationship between JAMP MSDSplus and JAMP AIS



Relationship between JAMP MSDSplus and JAMP AIS

Chemical Manufacturers (Upstream users)	Transfer the chemical information by using MSDS and JAMP MSDSplus to the middlestream users
Parts Manufacturers (Middlestream users)	Make AIS based on the information from MSDS and JAMP MSDSplus and transfer the chemical information by using AIS to the down stream users
Final Product Manufacturers (Downstream users)	Manage the chemical information contained in the products based on the information from AIS



Chemical and physical change may occur during the converting process of substances/preparations to articles (Necessary AIS information will not be communicated unless the chemical substance management of this process is performed adequately.)

Outline of JAMP MSDSplus (ver.2)

JAMP has developed 2 kinds of format sheets to transfer the information of substances contained in the products.

1. JAMP MSDSplus

> from upstream users to middle stream users to

2. JAMP AIS

> from middle stream users to upstream users

JAMP MSDSplus is used to transfer the information of chemical substances contained in the chemical products.

Actual JAMP MSDSplus is as shown in the right.

JAMP MSDSplus		Document No.	2.01E							
		Format Version								
		Date of Prepared								
		Date of Revised								
This sheet provides supplemental chemical information of our product not covered by MSDS. Please refer to this sheet associating with MSDS.										
1. Product and Company Information										
Product Name										
Product Code										
Generic Name										
Supplier Identification										
Company Code										
Address										
Contact Point										
Phone Number										
Fax Number										
E-mail Address										
Authoring Division										
Phone Number										
2. Substance Information										
Substance(s) To Be Notified										
Chemical Name	CAS No.	Conc.	Unit	JP01	JP02	JP03	E U	E U	E U	Remarks
3. Relevant Standard Information										
Code	Relevant Standard	Issued or revised								
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JP02	(Substances Prohibited of Manufacturing etc.)									
JP03	Poisonous and Deleterious Substances Control Law (Specified Poisonous Substances)									
EU01	2002/95/EC (RoHS Directive)									
EU02	2000/53/EC (ELV Directive)									
EU03	67/548/EEC (Annex I CMR - Cat1,2)									
EU04	76/769/EEC (other than 67/548/EEC Annex I CMR - Cat1,2)									
<p>*1 ● is marked if a substance listed in the relevant standard and to be notified is intentionally added or known to be contained ● does not directly mean legally regulated. It depends on use and other conditions. *2 Notified if there is additional information. *3 For more information please refer to "How to make JAMP MSDSplus".</p>										



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The main points of JAMP MSDSplus ver.2

	MSDS	MSDSplus
Declarable information	<ul style="list-style-type: none"> The category and degree of hazard and toxicity information Mandatory substances information under regulations Voluntarily contribute substances information 	<ul style="list-style-type: none"> The category of declarable substances and concentration.
To whom?	<ul style="list-style-type: none"> Employers for each hazardous chemical present in their workplace. 	<ul style="list-style-type: none"> The downstream companies asked for the provision of information
Contents level	<ul style="list-style-type: none"> The level which Employers for each hazardous chemical present in their workplace can utilize for their health protection. 	<ul style="list-style-type: none"> The level which stakeholders in the whole supply chain can understand and make transmitted to downstream companies.
Criteria	<ul style="list-style-type: none"> National regulatory laws/Public standards 	<ul style="list-style-type: none"> substances which are based on scientific evidence and on which the parties concerned in the whole supply chain can reach a consensus are selected and revisions are made on a regular basis.



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The main points of JAMP MSDSplus ver.2

Product information	Product name, generic name etc...
Supplier Identification	Company name, address, tel, etc...
Substance Information (The notification whether includes declarable substances or not in your product.)	<p>① The notification whether includes or not in a product.</p> <p>② If included, you have to notify following substances information. (In not included, it's not necessary to fill in it)</p> <p>Substance name , CAS No, concentration , covered laws and regulations</p> <p>Note: The criteria whether included or not included. (to be terminated under the following circumstances)</p> <ol style="list-style-type: none"> Substances listed in the relevant standard are added intentionally. The inclusion of substances listed in the relevant standard has known by any way. When the information of substances is not known, no need to fill in.



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The main points of JAMP MSDSplus ver.2

Target Substances under Management are likely to remain so in the foreseeable future .If needed, these laws and regulations would be revised or modified on the basis of the whole agreement of JAMP.

Domestic laws in Japan

Chemical Substances Control Law (Class I Specified Chemical Substances)
Industrial Safety and Health Law (substances prohibited to be manufactured)
Poisonous and Deleterious Substance Control Law (specified poisonous substances)

EU regulations

2002/95/EC[Restriction of Hazardous Substances Directive]
2000/53/EC[End of Life Vehicles Directive]
67/548/EEC(Appendix I, CMR—Cat. 1 and 2)
76/769/EEC(67/548/EEC Appendix I, with CMR—Cat. 1 and 2 excluded)

For additional information, please visit our website .



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The main points of JAMP MSDSplus ver.2

What is “included”?

If a substance listed in the relevant standard

And

(1) to be notified is intentionally added

Or

(2) known to be contained

Substances information except for “intentionally added” should be filled in and transmitted by provider companies of MSDSplus in good faith and voluntarily to downstream companies based on careful studies of process of manufacture, the possibility of included and due date of information transmission.

The final judgment whether included or not

Whether substances in products fall under the category of declarable substances by the laws and regulations or not should be determined by each downstream companies responsibility.



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The main points of JAMP MSDSplus ver.2

Restriction on the more stringent standards

To set more stringent standards in MSDSplus should be restricted, especially in the criteria of relevant standard substances.

Concurrent use with MSDS

Information on chemical products such as hazards and measures to prevent accidents is transmitted through the MSDS. The MSDSplus transmits information by supplementing what the MSDS lacks. Therefore, in principle, the MSDS and the MSDSplus should be used together to transmit information.

When the content of the MSDSplus was entered in the MSDS, it is also possible to transmit information only through the MSDS, but it is considered necessary to take account of the response practically made by downstream companies, e.g., transmit that effect to the supply chain by entering it in the remarks column of the MSDSplus or Item 16 of the MSDS.



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The concept of AIS

	AIS (Article Information Sheet)
Target	Articles If articles are original parts, hierarchized sections in AIS in blank.
Information source	MSDS, MSDSplus, Article information in your own products
Preparer	Article manufacturer
The contents of information	Information of Specified Chemical Substances in the Article/Information on Compositional Elements/concentration/material information/substances information which should be determined to declare voluntarily
To whom	The downstream companies asked for the provision of information
Contents level	The level which stakeholders in the whole supply chain can understand and make transmitted to downstream companies.
Criteria	substances which are based on scientific evidence and on which the parties concerned in the whole supply chain can reach a consensus are selected and revisions are made on a regular basis.



AIS concept

[format]

Page 1

JAMP AIS	
<small>Note: Entering into yellow fields is mandatory.</small>	
1. AIS Information	
Format Version	Ver. 2.0
Date Originally Issued	(YYYY/MM/DD)
Date of Latest Revision	
Revision History	(Please start by 1st Edition)
GP (Global Portal) Sheet ID	Inputting into this field is not necessary.
2. Issuing Company Information	
Company Name	
JAMP Member Company ID	(If your company is a JAMP member company, please input the applicable ID.)
Company ID	Organization ID (Please enter the Organization ID (DUNS, etc.))
	Industry ID (Please enter the Industry ID registered in the Organization ID entered above)
Address	
Issuing Department	
Telephone Number of Issuing Department	
FAX Number of Issuing Department	
Email Address of Issuing Department	
Department in Charge of Preparing AIS	(Please input in case you want to provide this information in addition to Issuing Department)
Telephone Number of Department in Charge of Preparing AIS	
Sheet Reference Number	(Optional)
Remarks	(Optional)
3. Article Information	
Manufacturer Name	
Common Product Name	
Issuing Company Item Number	
Multiple Product name/ Product Series Name	
Remarks	



Note: Entering into yellow fields is mandatory

4. Composition Information

Article Mass		Information Content	
Unit type (Please select the appropriate unit from piece, m, m2, m3)	Mass	Unit of Mass (Please select the appropriate unit from kg, g, mg)	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
covers GADSL scope		covers JIG scope	
does not cover GADSL scope		does not cover JIG scope	

Selection of one of the choices is mandatory

Level	Component	Material				Substance				Applicable Regulation or Standard				Remarks				
Level Name	Component Name	Use	Material Name	Material Classification Number	Material Code of Public Standard	Material Mass	Substance Name	CAS Number	Concentration (wt%)	Substance Mass	Voluntary Reporting Substances	76/769/EUC	76/769/EUC	ELV Exempted	RAHS	GADSL	JIG	Remarks
Not necessary in case of an original part	Select from Material Classification	Select from Material Classification	Select from Material Classification	Material Code of Public Standard shall be entered if applicable	Select from kg, g, mg					Select from kg, g, mg								

Declaration Concerning Composition Information

0. This article is recognized NOT to contain any declarable substances within the scope of applicable regulations and standards.

1. This article is recognized to contain declarable substances within the scope of applicable regulations and standards.

Selection of one of the choices is mandatory

5. Other Information

Reference Documents, Restrictions, Notes



The information on this sheet is compiled based on the entries from sections 1 to 4.

6. Information To Be declared

Common Product Name		Article Mass	
Unit Type (Please select the appropriate unit from piece, m, m2, m3)	Mass	Unit of Mass	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
covers GADSL scope		covers JIG scope	
does not cover GADSL scope		does not cover JIG scope	

Selection of one of the choices is mandatory

Level	Component	Material				Substance				Applicable Regulation or Standard				Remarks				
Level Name	Component Name	Use	Material Name	Material Classification Number	Material Code of Public Standard	Material Mass	Substance Name	CAS Number	Concentration (wt%)	Substance Mass	Voluntary Reporting Substances	76/769/EUC	76/769/EUC	ELV Exempted	RAHS	GADSL	JIG	Remarks
Not necessary in case of an original part	Select from Material Classification	Select from Material Classification	Select from Material Classification	Material Code of Public Standard shall be entered if applicable	Select from kg, g, mg					Select from kg, g, mg								

7. Specified Chemical Substance Concentration within Article

Declarable substance			
Substance Name	CAS No.	Concentration within Article	wt%

Note: Entering into yellow fields is mandatory

8. Total Amounts of Material within Article Note: This information is integrated and independently transferred from Section 4 "Composition Information"

Material	Material Classification No.	Material Mass
Select from Material Classification	Select from Material Classification	



AIS structure

Basic information to identify AIS

1. AIS information

Issuing date, revision date, AIS reference number, language

2. Company information

Company ID, Issuing company, the window department, reference number

Article information

3. Article information

Manufacturer, article name, model name

4. Ingredients information

Weight, hierarchy, number, material, substances to report, voluntary reporting substances, applicable regulations

5. Other information

Reference documents, restrictions, dos and don'ts



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AIS structure

The information which needs to report down-stream company (compiled based on the entries in the section 1-4.)

6. The information which needs to be reported

Weight, composition, number, material, applicable regulation about the reporting substance

7. the specified chemical substance concentration per an article

substance name, concentration per an article

8. material information in an article

Material, material classification, material weight

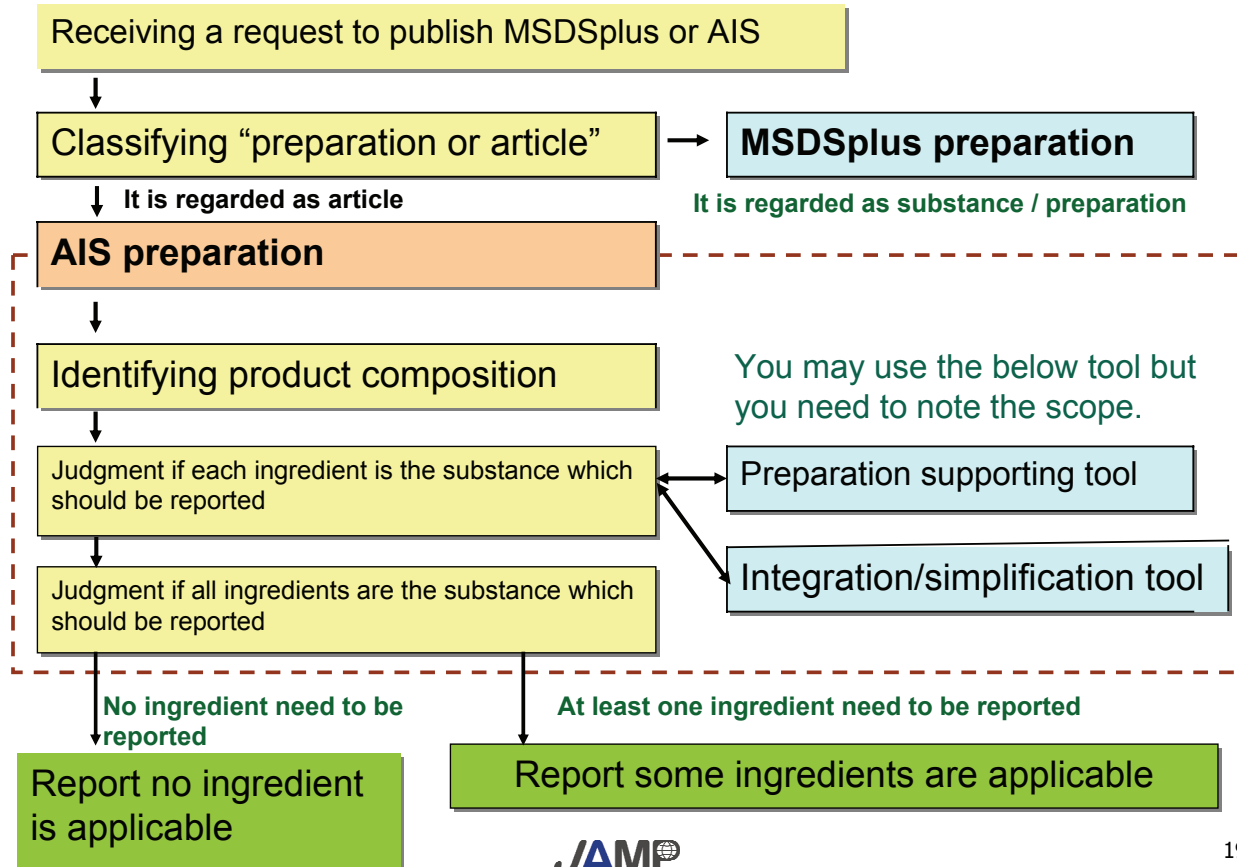
(option) client information

Company name, the person in charge, the model No. indicated by the client and so on



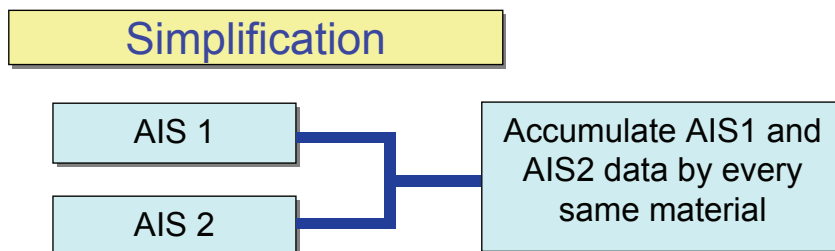
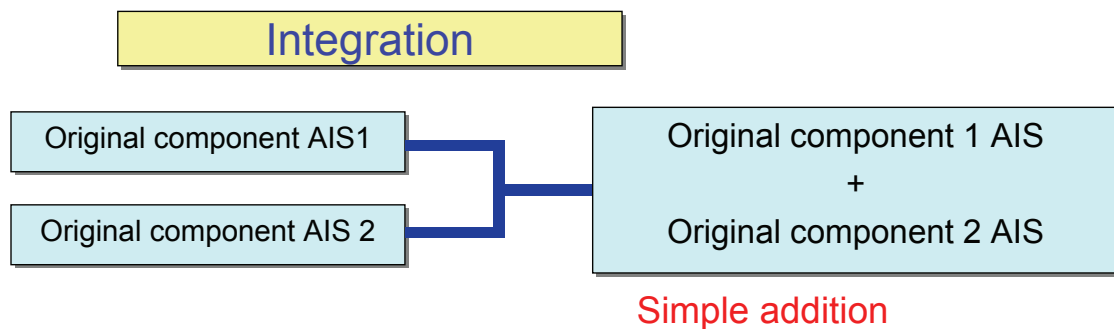
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AIS preparation procedure



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Integration and simplification



Reduce the number of composition lines
Data amount compression and organization

The supporting tools

Documents and tools which JAMP can provide and explain you

AIS version 2.0 format

AIS version 2.0 preparation procedure manual

AIS materials list version 2.0

AIS data input supporting tool (input supporting tool, integration and simplification tool *beta* version)

AIS data input supporting tool operation manual

AIS integration and simplification tool operation manual

The function of the above tools

The above tools are developed in order to support AIS preparation and AIS integration/simplification. They have the function which JAMP aims but are still on the way to be approved as JAMP official tools. Therefore JAMP provides you as a position of *beta* version.

Material searching function in preparation supporting tool

AIS data input supporting tool has a simple function to search object materials. You can search materials and applicable regulation by using it but JAMP can't guarantee the searching result is perfect. You shall confirm it by yourself.





Appendix 4

Presentation of Outline of JAMP Activities

Outline of JAMP Activities and Hitachi's Approach Toward REACH

August 18, 2008

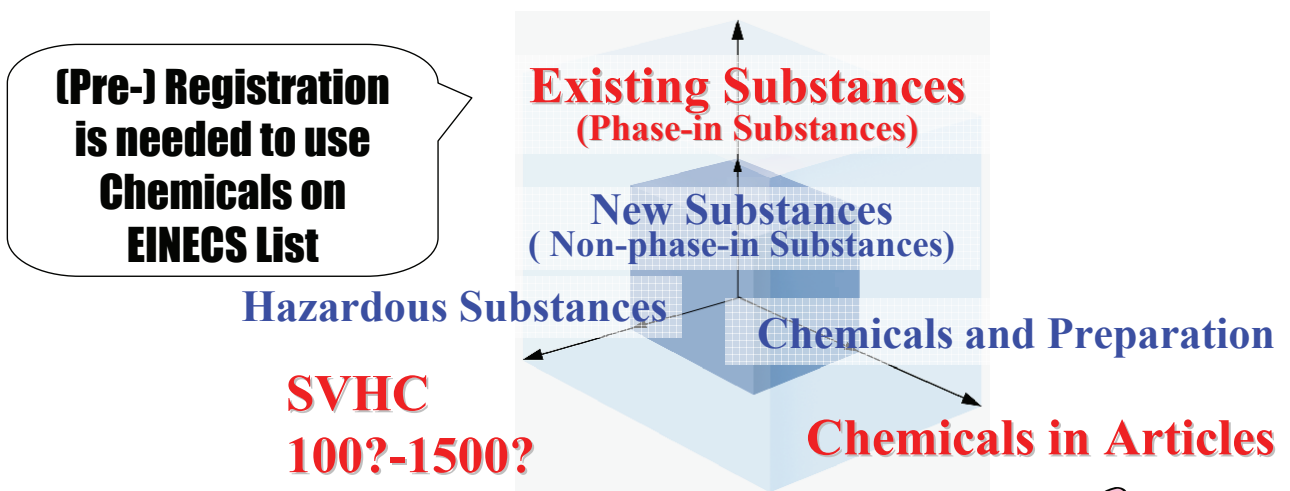
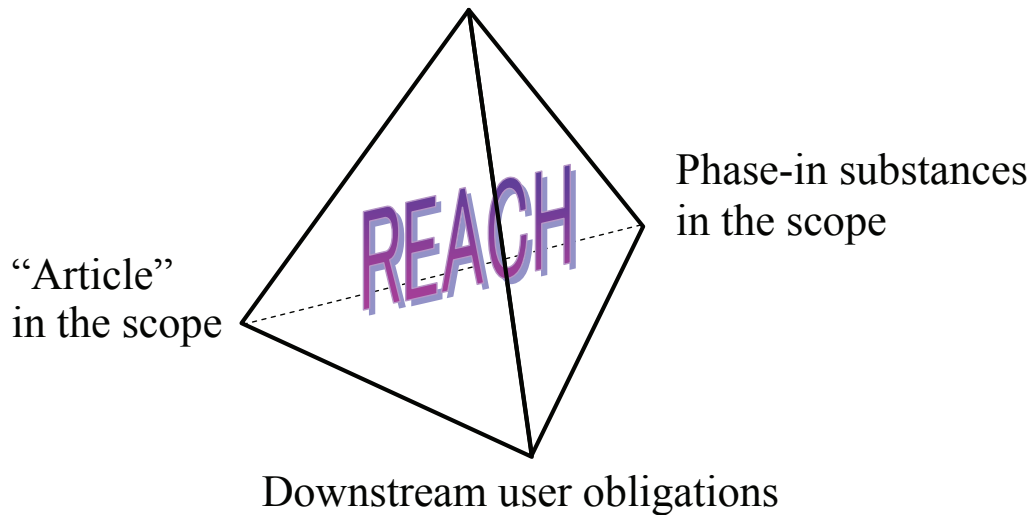
Dr. Yoshiaki Ichikawa
Chief Engineer
Corporate Environmental Policy Division
Hitachi, Ltd.

Contents

- 1. REACH Influence Over Businesses Outside Europe**
- 2. How JAMP Can Help**
- 3. Hitachi's Policy for REACH Compliance**

Registration, Evaluation, Authorisation, and restriction of CHemicals
(REGULATION (EC) No 1907/2006)

Supply-chain information sharing (even outside EU)



SVHC ; Substances of Very High Concern

- CMR: Carcinogen, Mutagen, Repro Toxic
- PBT (Persistent, Bioaccumulative, Toxic)
- vPvB (Very Persistent, Very Bioaccumulative)
- EDs (Endocrine Disrupters)

Articles

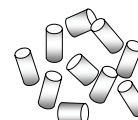




Ingots



Bulk materials



Plastic pellets



Maintenance chemicals



Refill oil



Powder



Ink in Cartridge



Ink in Ball-point Pen

Article: means an object which during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition:



Electrical appliances



Batteries



Packaging



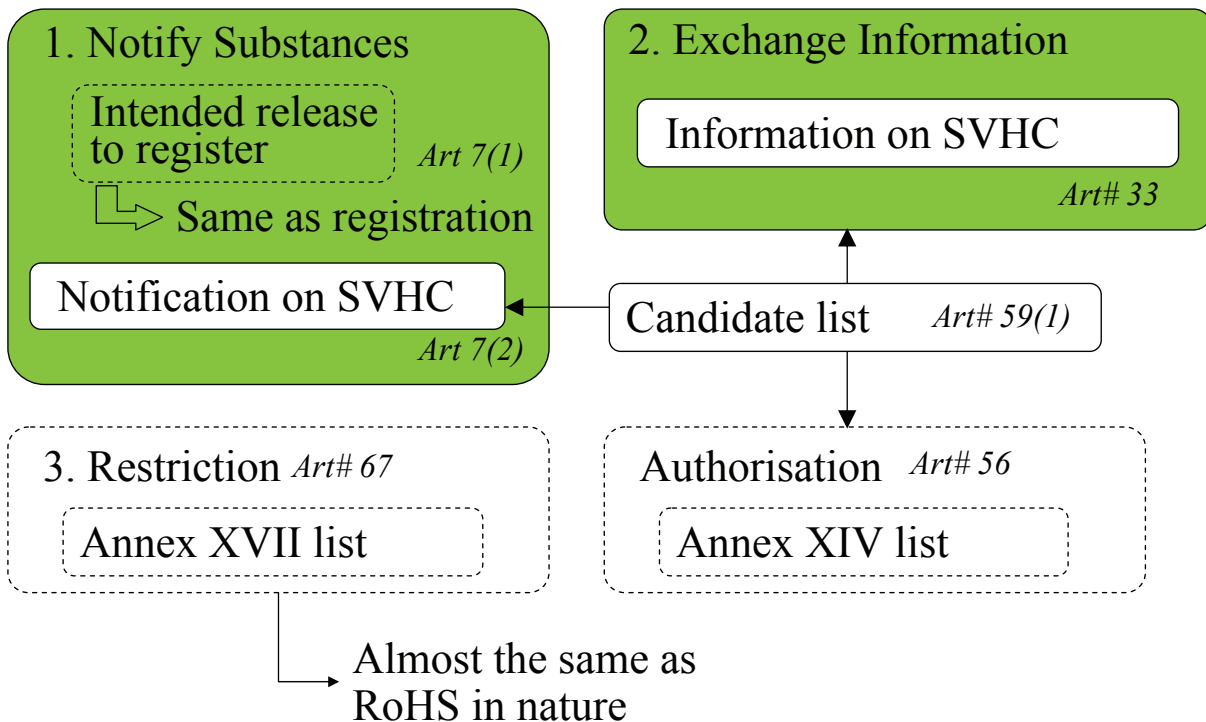
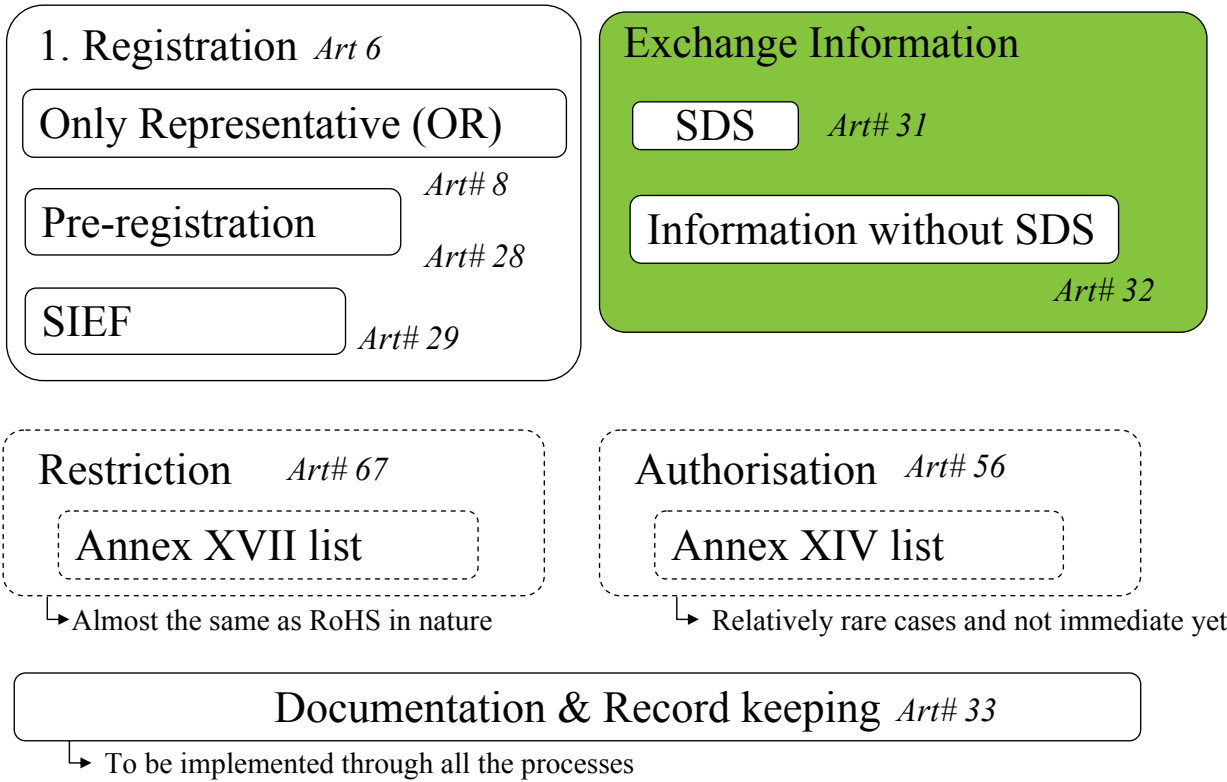
Designed surface

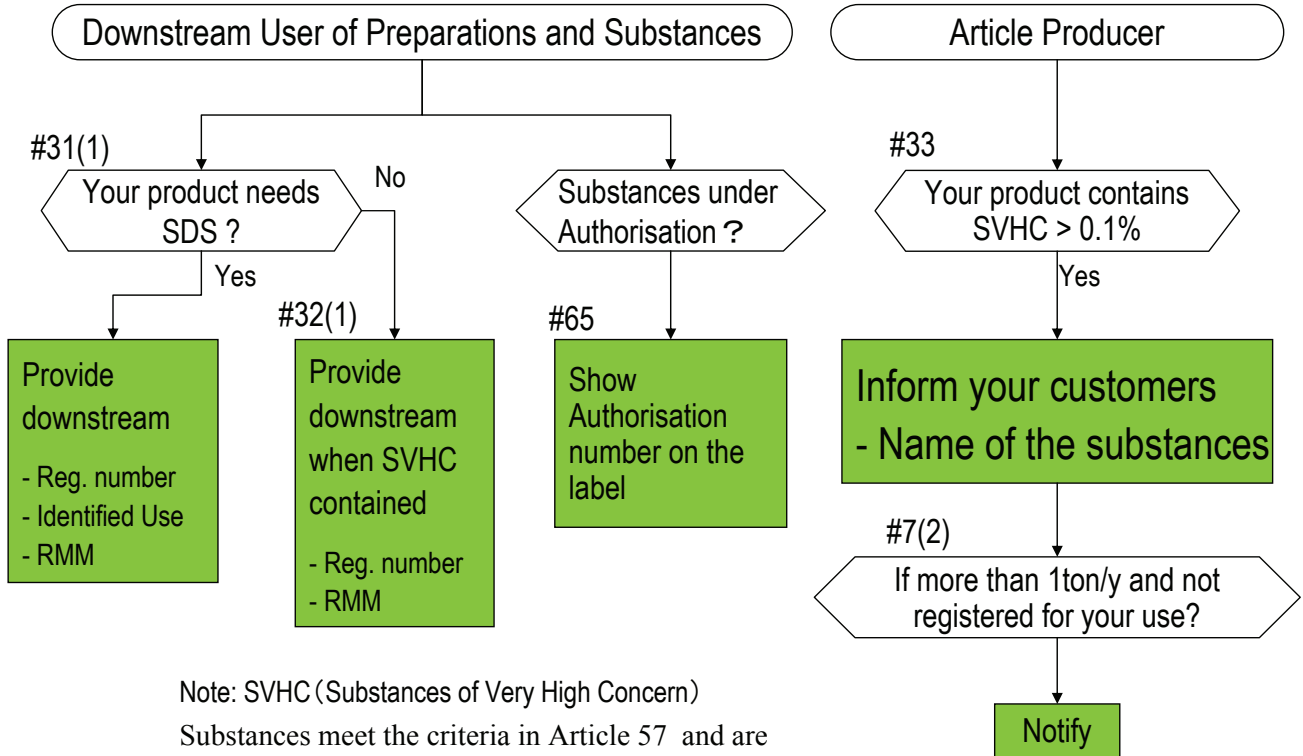


Sheet

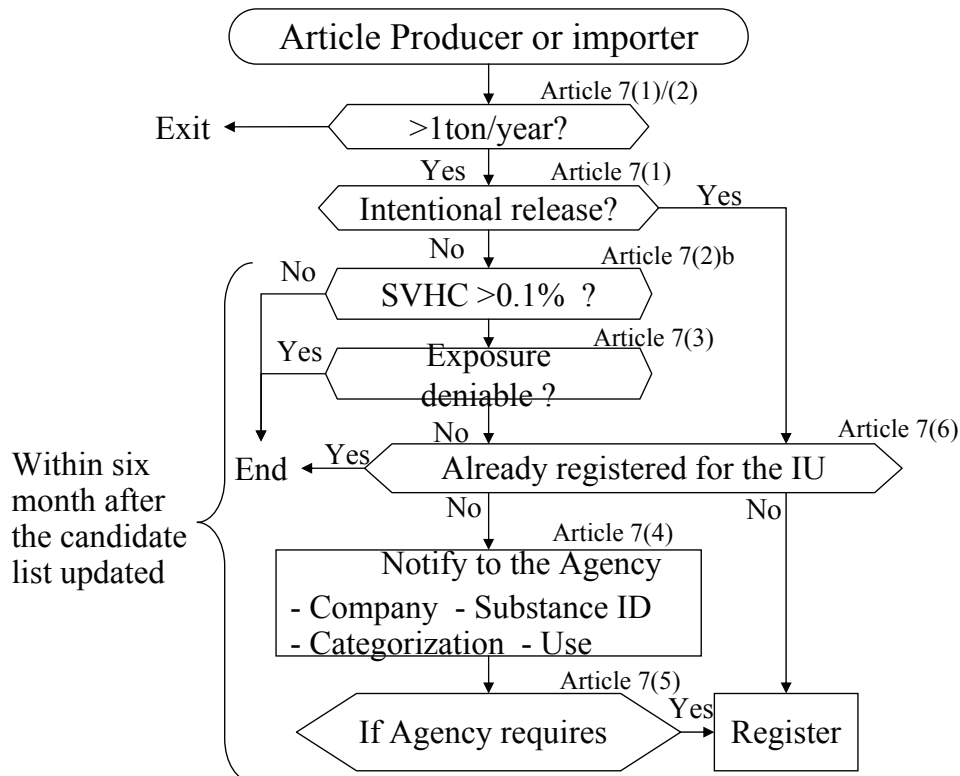


Brake lining





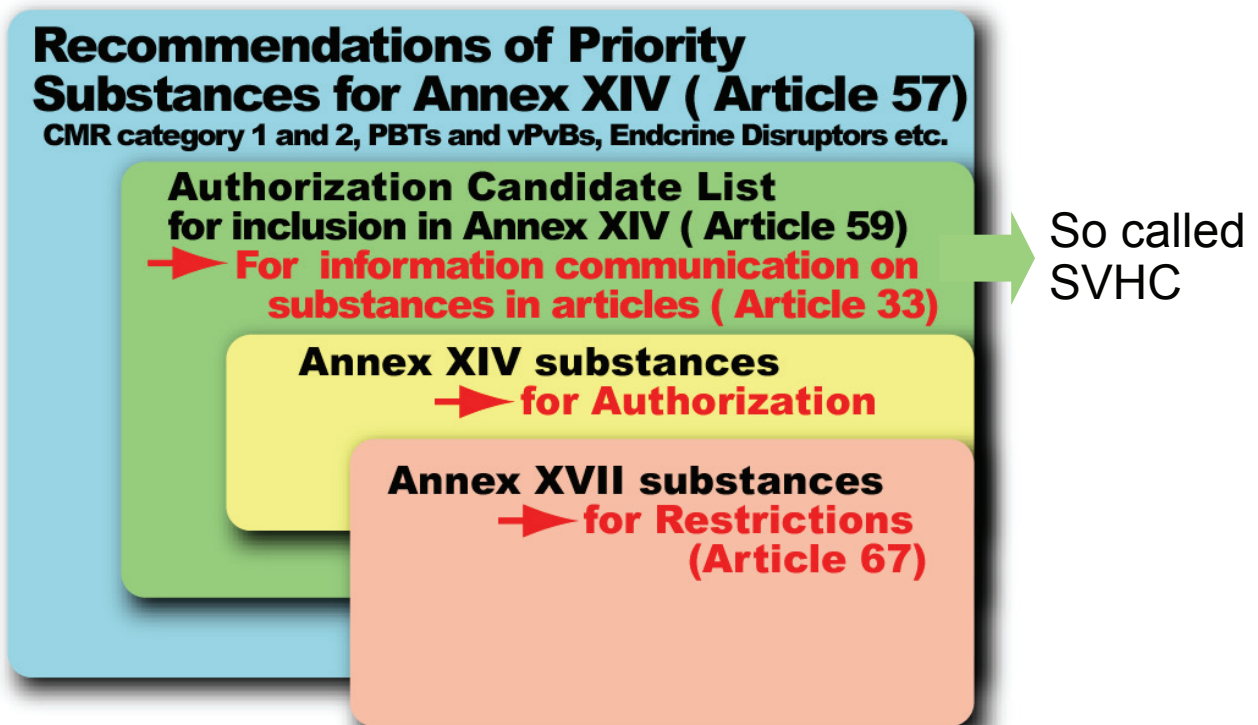
Note: SVHC (Substances of Very High Concern) Substances meet the criteria in Article 57 and are identified in accordance with Article 59(1), which are also called substances in the “candidate list”



Within six month after the candidate list updated

	Registration		Notification	Information
	Article 6	Article 7(1)	Article 7(2)	Article 31-33
Chem. /Preparation	>=1 ton/y	---	---	SDS ✓ Dangerous substances 67/548/EEC 1999/45/EC ✓ 59(1) SVHC ✓ ANNEX XIII PBT, vPvB
Polymer Monomer (Component of Polymer)	---	---	---	
>=2% & >=1 ton/y	---	---	---	
Chem. in Article	Intended Release	---	> 1 ton/y	---
	SVHC	---	---	>0.1% * & > 1 ton/y
				>0.1%*

* Note: 0,1% SVHC applicable to the article



First Consultation for SVHC (candidate list)

Substance identification			Authority	Reason for proposing
Substance name	CAS number	EC number		
Anthracene	120-12-7	204-371-1	Germany	PBT
4,4'- Diaminodiphenylmethane	101-77-9	202-974-4	Germany	CMR
Dibutyl phthalate	84-74-2	201-557-4	Austria	CMR
Cyclododecane	294-62-2	206-33-9	France	PBT
Cobalt dichloride	7646-79-9	231-589-4	France	CMR
Diarsenic pentaoxide	1303-28-2	215-116-9	France	CMR
Diarsenic trioxide	1327-53-3	215-481-4	France	CMR
Sodium dichromate, dihydrate	7789-12-0		France	CMR
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	Netherlands	vPvB
Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	204-211-0	Sweden	CMR
Hexabromocyclododecane (HBCDD)	25637-99-4	247-148-4	Sweden	PBT
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5	United Kingdom	PBT
Bis(tributyltin)oxide	56-35-9	200-268-0	Norway	PBT
Lead hydrogen arsenate	7784-40-9	232-064-2	Norway	CMR
Triethyl arsenate	15606-95-8	427-700-2	Norway	CMR
Benzyl butyl phthalate	85-68-7	201-622-7	Austria	CMR

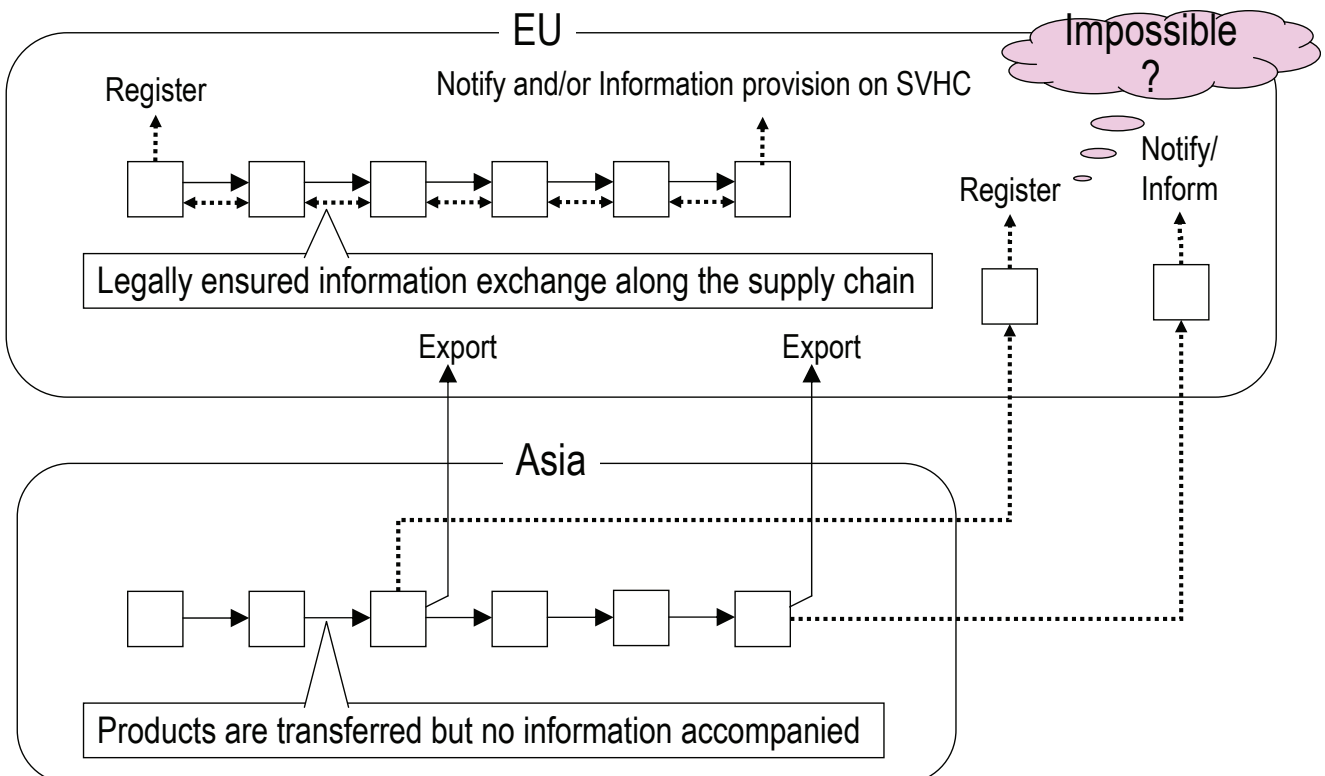
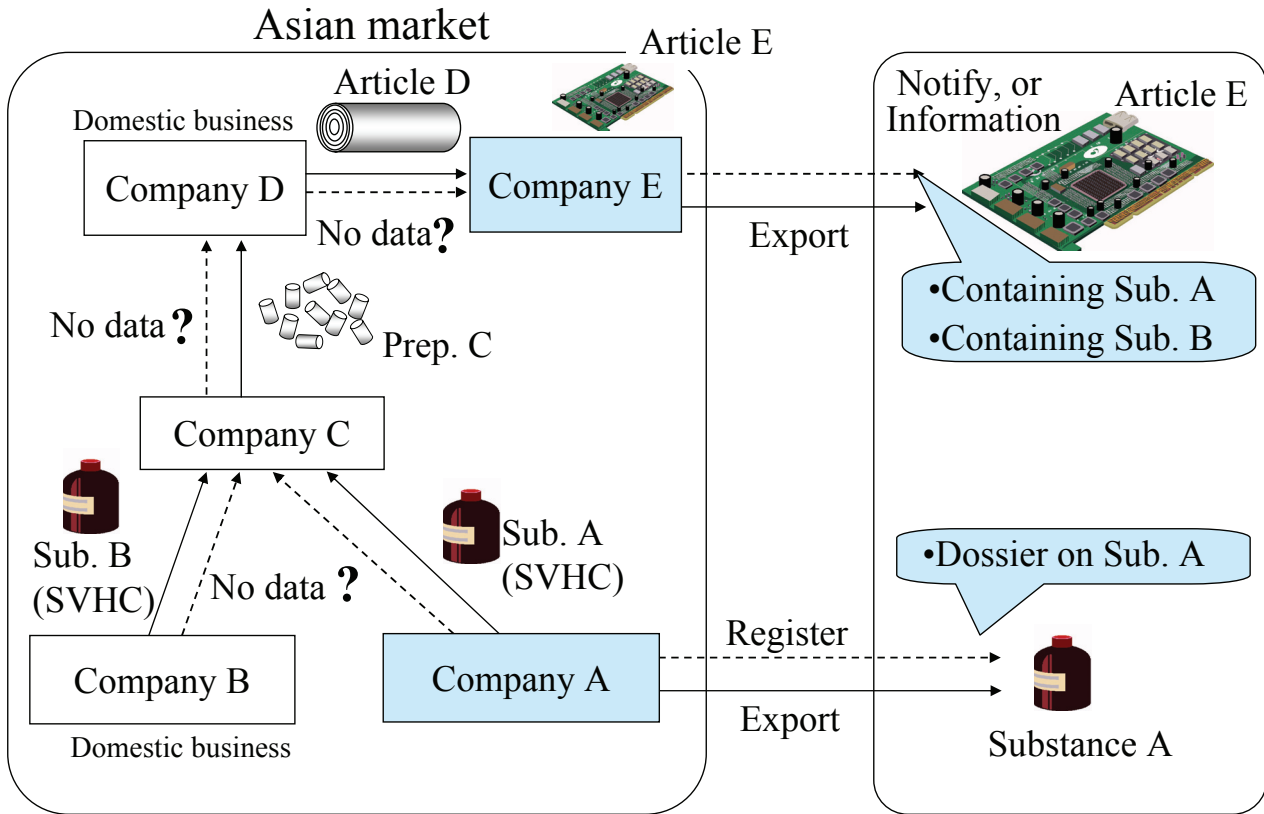
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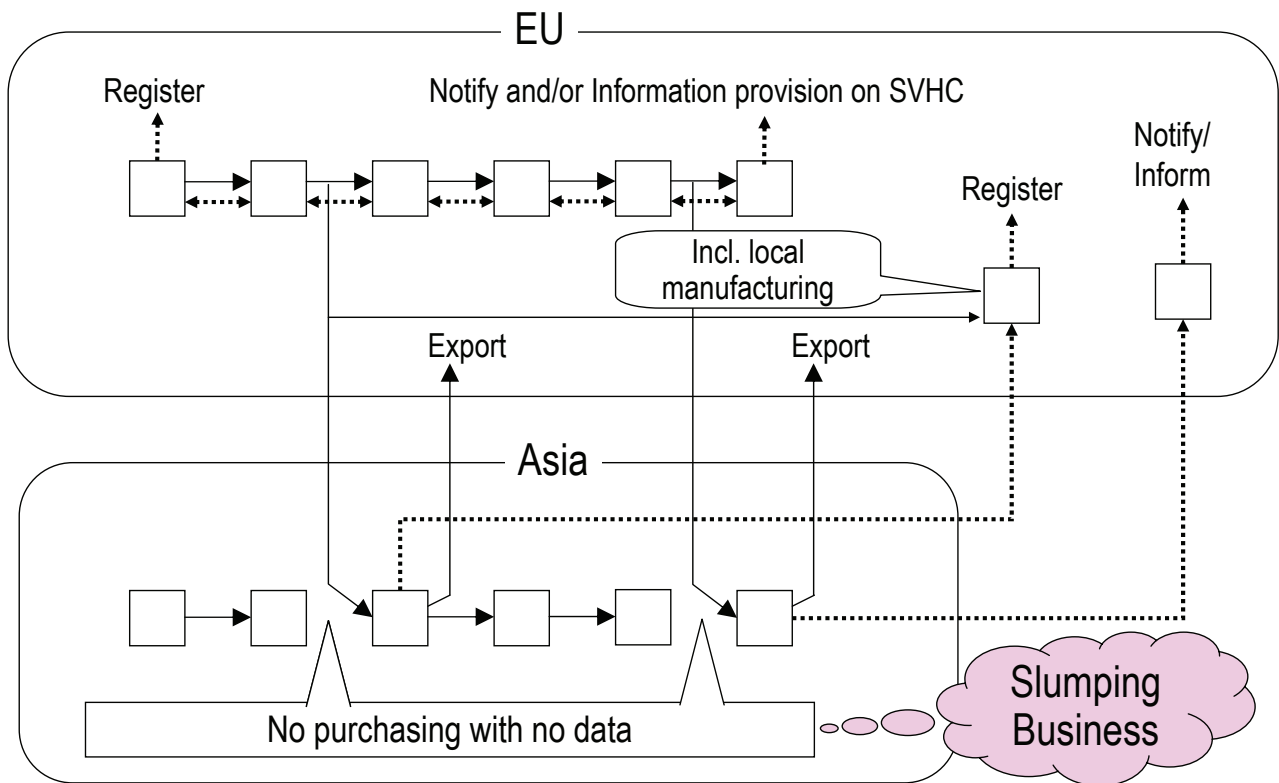
Inquiries from Customers Have Already Come

Substances Of Very High Concern Data Reporting Format				
		Supplier Code		
Part Name	Contained substance (%wt/wt)			
	Substance name	CAS Number	EC number	
	Anthracene	120-12-7	204-371-3	
	4,4'- Diaminodiphenylmethane	101-77-9	202-974-6	
	Dibutyl phthalate	84-74-2	201-557-6	
	Cyclododecane	294-62-2	206-33-6	
	Cobalt dichloride	7646-79-9	231-589-4	
	Diarsenic pentaoxide	1303-28-2	215-116-9	
	Diarsenic trioxide	1327-53-3	215-481-4	
	Sodium dichromate, dihydrate	7789-12-0		
	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-6	
	Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	204-211-2	
	Hexabromocyclododecane (HBCDD)	25637-99-4	247-148-6	
	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-7	
	Bis(tributyltin)oxide	56-35-9	200-268-2	

Report Substance Information Below			
	CAS # * (where available)	Weight (g) * (up to 3 decimal places)	Description of Use (max field length=65)
	101-77-9		
musk xylene)	81-15-2		
Chlorinated	85535-84-8		
Anthracene	120-12-7		
Benzyl butyl phthalate (BBP)	85-68-7		
Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7		
Bis(tributyltin)oxide (TBTO)	56-35-9		
Cobalt dichloride	7546-79-9		
Cyclododecane	294-62-2		
Diarsenic pentaoxide	1303-28-2		
Diarsenic trioxide	1327-53-3		
Dibutyl phthalate (DBP)	84-74-2		
Hexabromocyclododecane	25637-99-4		
Lead hydrogen arsenate	7784-40-9		
Sodium dichromate, dihydrate	7789-12-0		
Triethyl arsenate	15606-95-8		

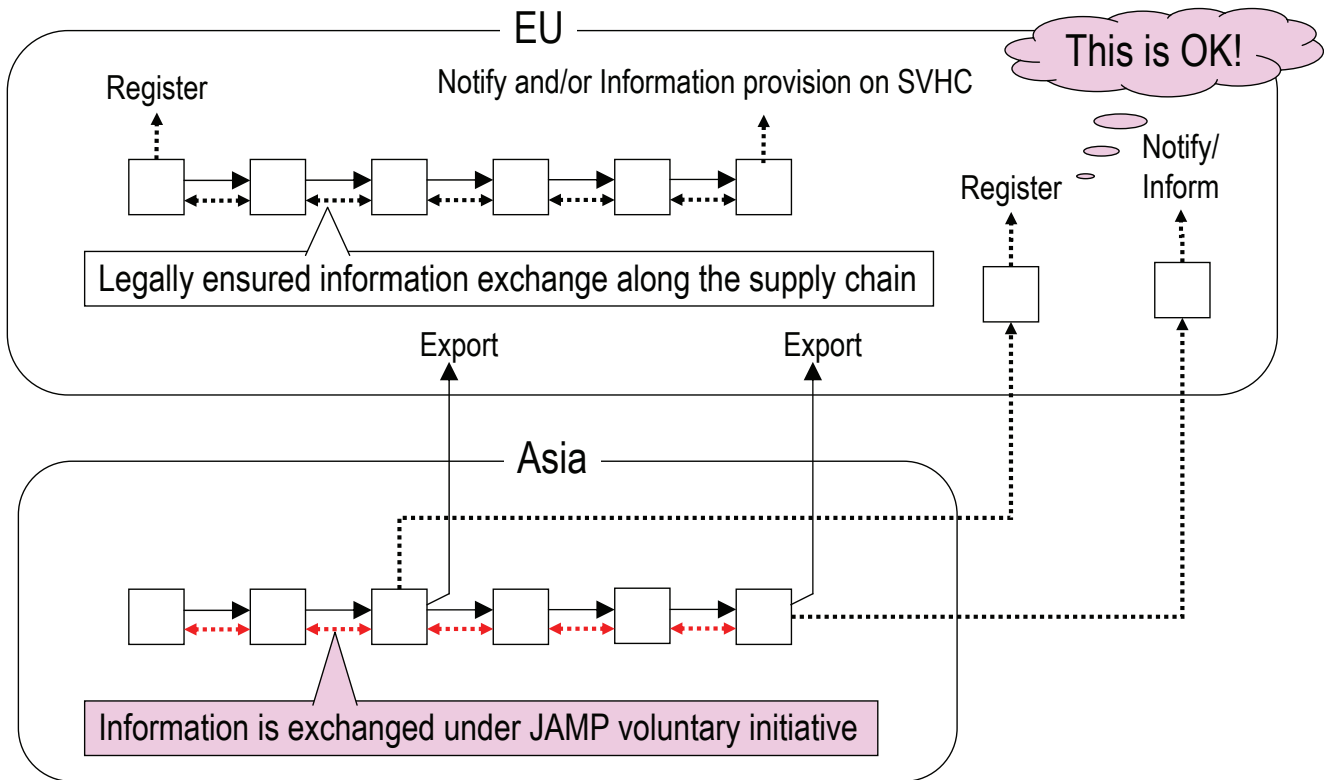
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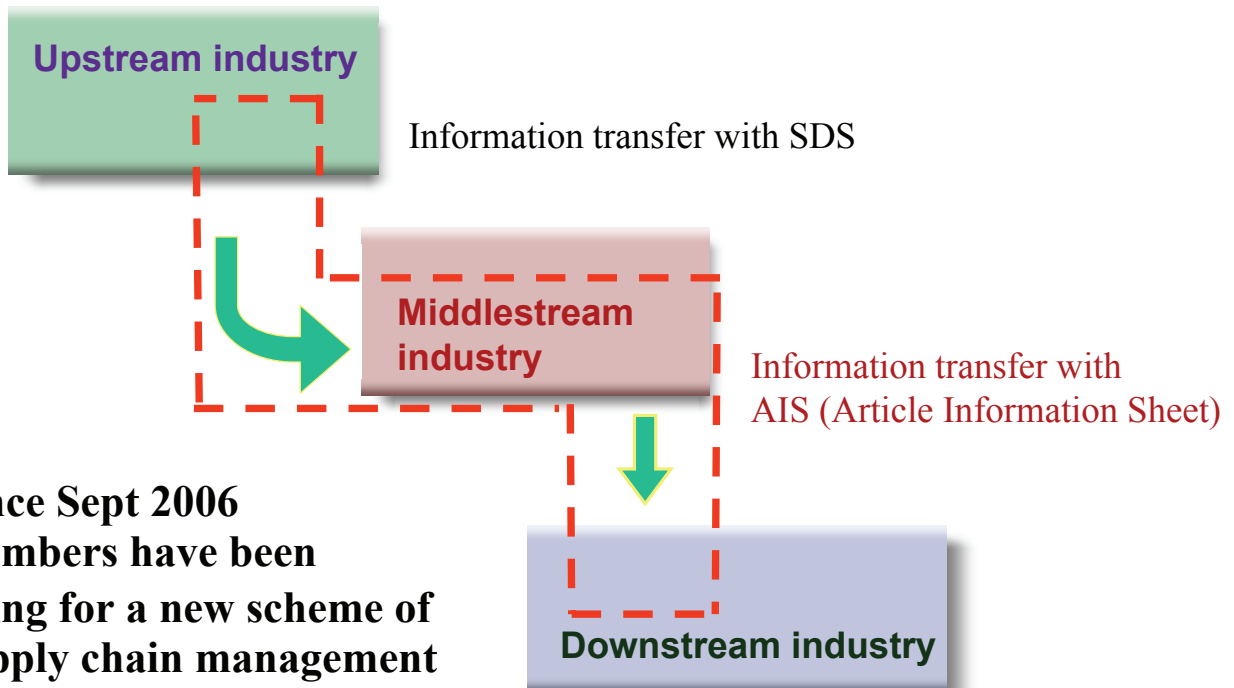


Contents

1. REACH Influence Over Businesses Outside Europe
2. How JAMP Can Help
3. Hitachi's Policy for REACH Compliance



JAMP: Joint Article Management Promotion-consortium



JAMP

(Joint Article Management Promotion-consortium)



Seamless Data Transfer along The Supply Chains

JAMP Growing Membership

Asahi Kasei Corporation
Kao COPORATION.
Sumitomo Chemical Co., Ltd
Mitsubishi Chemical Corporation
Lion Corporation
FUJIFILM Corporation
Murata Manufacturing Company, Ltd.
DAINIPPON INK AND CHEMICALS, INCORPORATED
TDK Corporation
TOSHIBA Corporation
Hitachi, Ltd.
FUJITSU LIMITED
Ricoh Co., Ltd.
Matsushita Electric Industrial Co., Ltd.
Mitsubishi Electric Corporation
SEIKO EPSON COPORATION
Mizuho Information & Research Institute, Inc.

MITSUBISHI RAYON CO., LTD.
Nippon Chemi-Con Corporation
Hitachi Chemical Company, Ltd.
NIPPON CHEMICAL INDUSTRIAL Co., LTD.
Nihon Unisys, Ltd.
ALPS ELECTRIC CO., LTD.
Nippon Chemi-Con Corporation
Asahi Glass Co., Ltd.
Towa Kagaku Co., Ltd.
TOKUSHU DENSO CO.,LTD
NITTO DENKO COPORATION
Fujikura Ltd.
Mitsui Chemicals, Inc.
The JAPAN REFRIGERATION AND AIR CONDITIONING INDUSTRY ASSOCIATION
Naitoh Environmental Science Co.,Ltd.
Fuji Xerox Co., Ltd.
Expert for Management Solution Japan Co.,Ltd.
Kurita Analysis Services Co.,Ltd.
BROTHER INDUSTRIES, LTD.
Japan Chemical Database Ltd.
KONICA MINOLTA HOLDINGS,INC.
Chienet LLP
EDS Japan LLC.
Environmental Communication Co.,Ltd.
Nihon Parkerizing Co.,Ltd
DIKYO CHEMICAL CO.LTD.
E&E Solutions Inc.
Fuji Electric Holdings Co.,Ltd
Chemicals Evaluation and Research Institute, Japan
Japan Automobile Manufacturers Association, Inc.
BSEF Japan

Upstream/
middle-stream/
downstream
well balanced

Currently over 280
members
and still growing

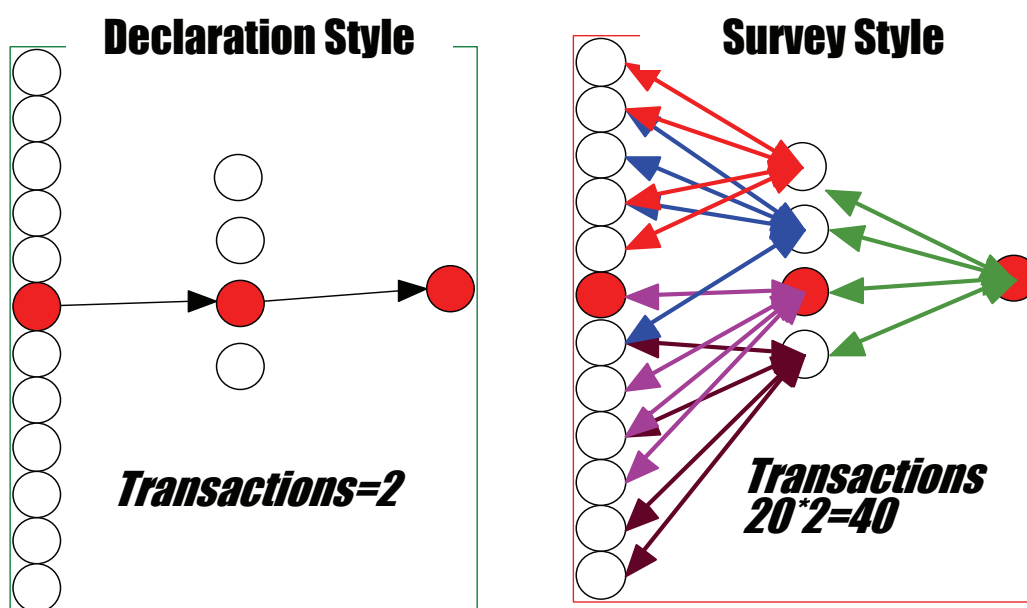
Inabata & Co., Ltd.
SANYO Electric Co., Ltd.
ROHM CO., LTD.
IRIE SYSTEM Co.Inc.
Canon Inc.
Sony Corporation
YAZAKI CORPORATION
SMK Co.,Ltd.
PIONEER CORPORATION
Sharp Corporation
NEC Corporation
TEIJIN LIMITED
JEOL Ltd.

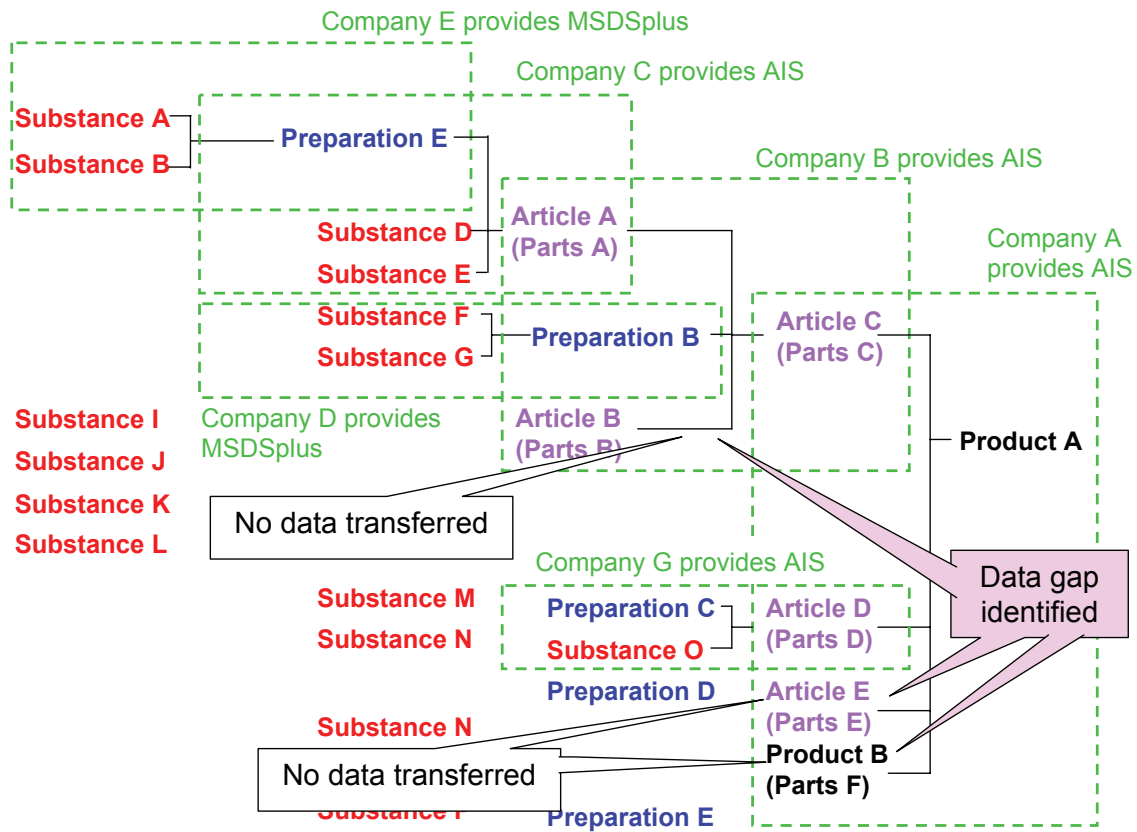
- 1) Development and promotion of the "JAMP Guidelines for the Information Management of Chemical Substances Contained in the Products"
- 2) Development and promotion of two types of format sheets for the transfer of chemical substance information
 - (1) JAMP MSDSplus (Material Safety Data Sheet Plus)
 - (2) JAMP AIS (Article Information Sheet)
- 3) Promoting the international standardization regarding on information management of chemical substances contained in the articles (e.g. JAMP Guidelines, JAMP MSDSplus and JAMP AIS)
- 4) Promoting the development of an information infrastructure for the smooth communication of chemical substance information

etc...

The Mechanism of Information Exchange (1)

Declaration style is much simpler



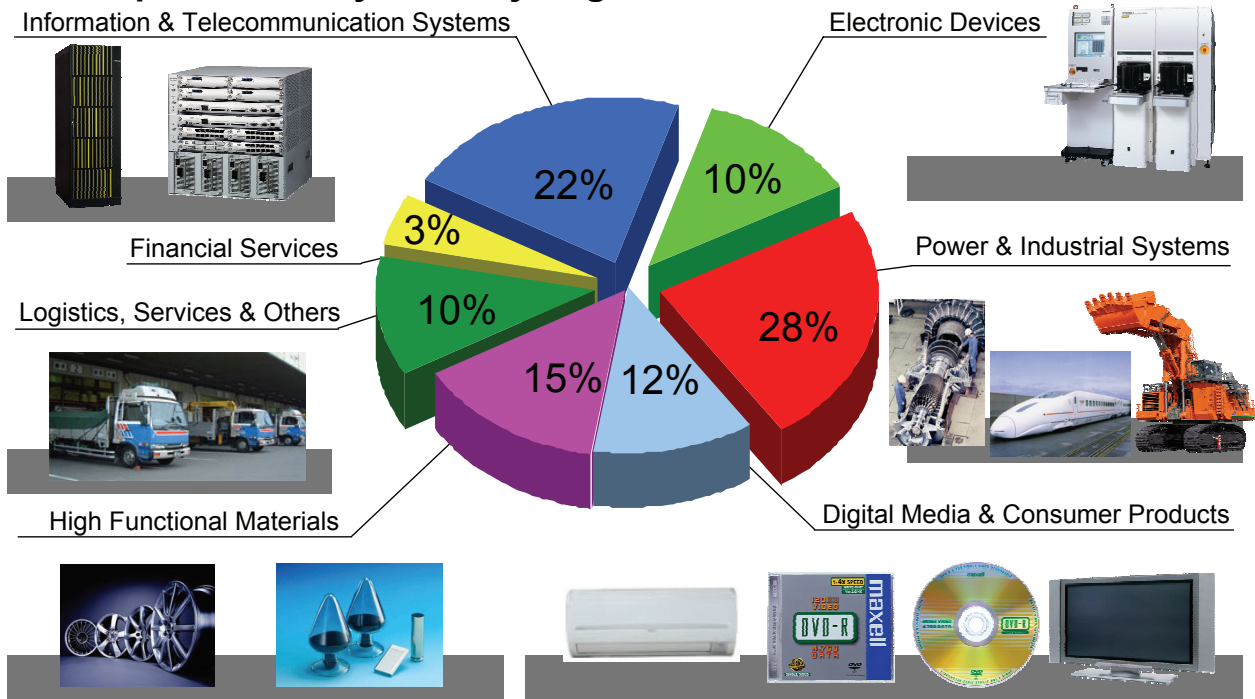


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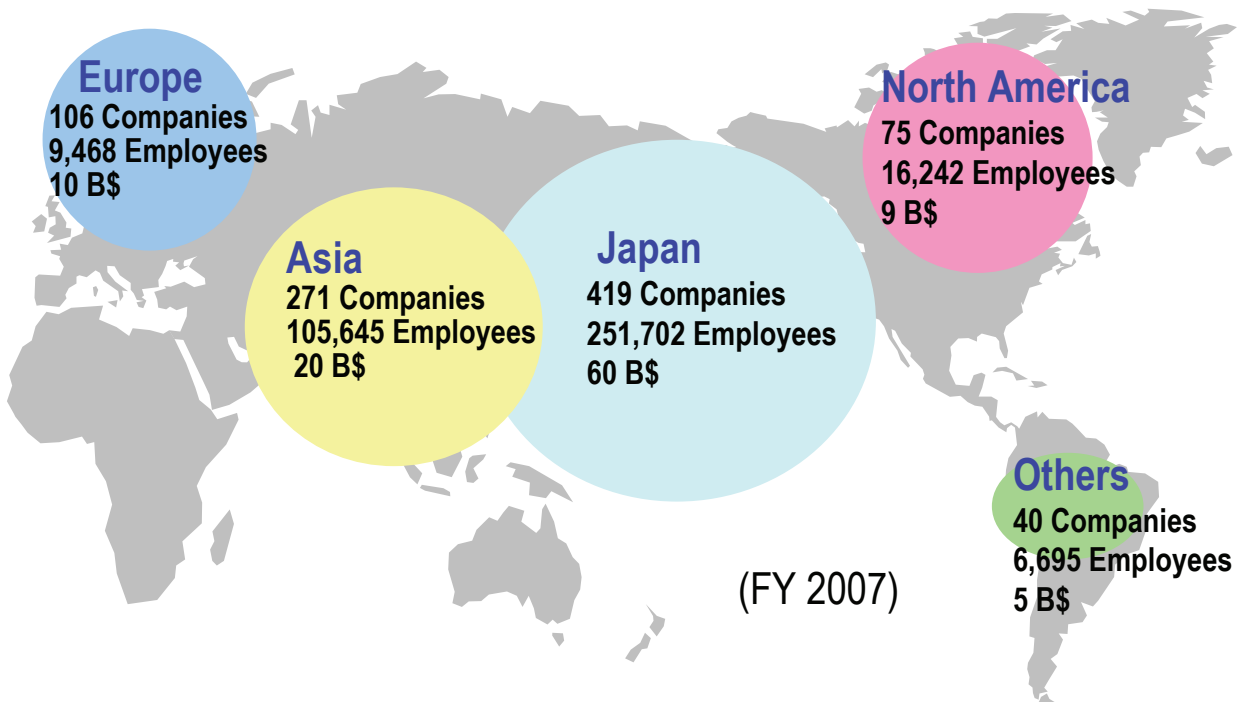
1. REACH Influence Over Businesses Outside Europe
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Group Revenue by Industry Segment

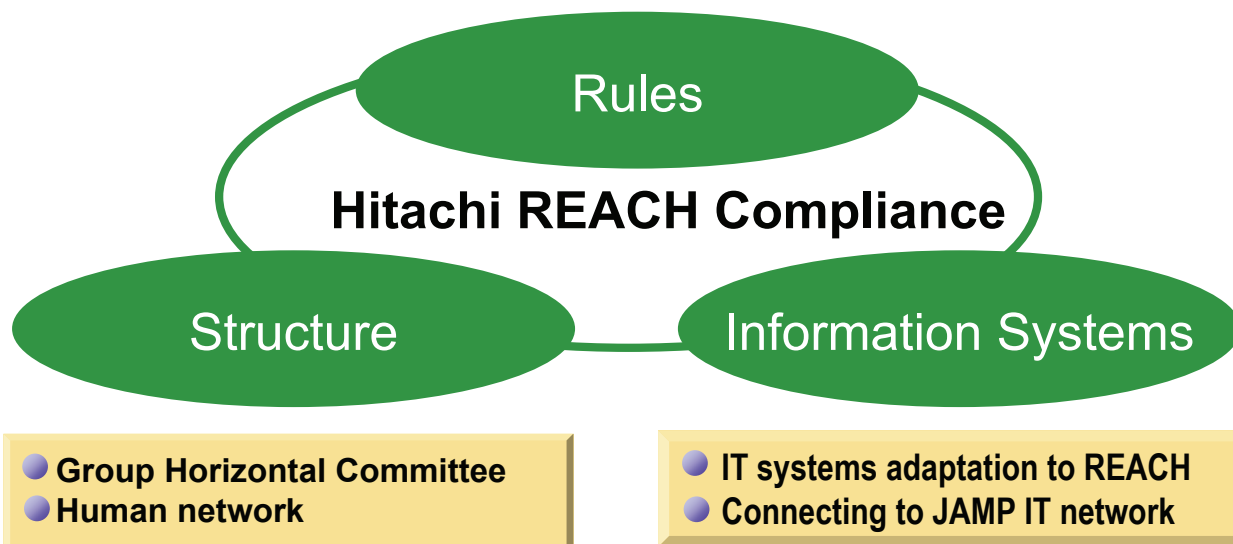
Total Revenue: 100 Billion US\$



All figures are included Eliminations and Corporate items, FY2007/Consolidated basis



- Revise company's standard, Green Procurement Guideline, and related documents
(Continual update of substance list, Rules for information provision, etc.)
- Compile REACH Compliance Manual for EU operation



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1. Policy for Information Exchange
 - A) Collect information from suppliers which is available at the moment and provide information to customers available to us.
 - B) Update the information timely when any important change or additional data obtained.
2. Information Exchange Format
 - A) Hitachi's standard format is JAMP AIS / MSDSplus
(Upon customer's request or other exceptional situations we may report or receive other formats).
3. Timeline
 - A) 2008/11 Start accepting JAMP formats through Hitachi Unified Chemical Management System.
 - B) 2009/01 Workability Evaluation Testing using EDI Infrastructure (TWX 21).
 - C) 2009/07 Connect to JAMP IT network (Global Portal) and increase flexibility for reporting and collecting.

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1. Any **supplier** of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0,1 % weight by weight (w/w) **shall provide the recipient of the article with sufficient information, available to the supplier**, to allow safe use of the article including, as a minimum, the name of that substance.

Establish Internal Structure for REACH Compliance



Any legal entity within Hitachi Group selling goods in EU

This team may be integrated within an existing compliance team for other regulations

REACH Compliance Team



REACH Manager



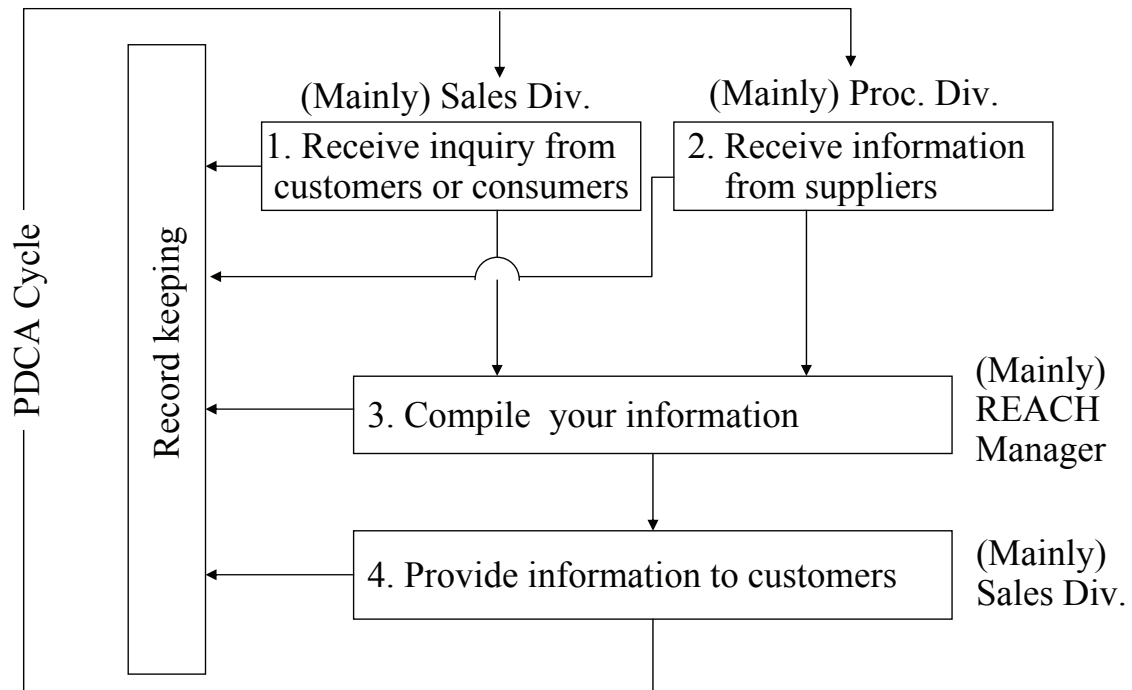
Sales Div.



Procurement Div.

B. Compliance Process for Articles (finished products) Businesses

2. Exchange Information



END

Thank you very much for your attention

