



REACH ASSESSMENT PROGRAM
 Registration, Evaluation, Authorization, and Restriction of Chemicals

<p>Assessor: Please very briefly describe the systems / processes supplier has in place in order to respond to declaration request (You may attach additional sheets and/or include screenshots, if necessary, to provide required information.):</p>					
<p>25.1 25.3 25.6</p>	<p>3</p>	<p>This question applies to all suppliers.</p>	<p>For PWA / PWC OEM and/ or MRO parts ONLY: Does the Supplier provide safe use information to recipients of articles shipped to or within the EEA?</p>	<p>3a. Does the supplier ship to or within the EEA? Yes No</p> <p>If "yes", continue to 3b. If not, this question does not apply.</p> <p>3b. Does the supplier ship articles that contain greater than .1% of an SVHC? Yes No</p> <p>If "yes", continue to 3c. If not, this question does not apply</p> <p>3c. Can the supplier demonstrate communication of safe use information for articles that contain greater than .1% of an SVHC to/within the EEA? Yes No</p> <p>A "yes" to 3c is OK A "no" is Opportunity</p> <p>(For P&W Build to Print suppliers: Safe Use Information is provided if shipping via PW Supplier Portal/SNC; If not shipping via SNC, Safe Use Information can be downloaded from P&W REACH websites)</p>	<p>Ok Opportunity for Improvement N/A N/E</p>
<p>Assessor: Please very briefly describe supplier's process for providing Safe Use Info to the article recipients.(You may attach additional sheets and/or include screenshots, if necessary, to provide required information.):</p>					



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<p>25.1 25.2 25.6</p>	<p>4</p>	<p>This question applies to all suppliers.</p>	<p>Does the Supplier have an effective process to monitor its sub tier suppliers' compliance with the REACH regulation?</p>	<p>4a. Does the supplier have sub-tiers? Yes No</p> <p>If "yes" to 4a, continue to 4b. If 'no', question is not applicable.</p> <p>4b. Can the supplier demonstrate a process/system that verifies supplier is monitoring their sub tiers compliance with REACH? Yes No</p> <p>A "yes" to 4b is OK A "no" to 4b is Opportunity</p>	<p>Ok Opportunity for Improvement N/A N/E</p>
<p>Assessor: Please very briefly describe the supplier's process to monitor sub tiers' compliance to the REACH regulation (You may attach additional sheets and/or include screenshots, if necessary, to provide required information.):</p>					
<p>25.1 25.2</p>	<p>5</p>	<p>This question applies to suppliers located in the EEA.</p>	<p>For P&W / PWC OEM and/or MRO parts ONLY: Is the Supplier importing or using any banned <i>Annex XIV</i> substances in accordance with a government-issued Authorization?</p>	<p>5a. Is the supplier using/importing banned Annex XIV substances both on products and in manufacturing processes? Yes No</p> <p>If "yes" continue to 5b. If 'no' question does not apply.</p> <p>5b. Can the supplier provide an authorization or authorization application number for banned substances? Yes No</p> <p>Authorization Example: REACH/14/1/0 Application Example: 0001-01</p> <p>A "yes" to 5b is OK A "no" is an Opportunity</p>	<p>Ok Opportunity for Improvement N/A N/E</p>



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Assessor: Please note Authorization/ Application numbers for each substance used, if provided (You may attach additional sheets and/or include screenshots, if necessary, to provide required information.):

25.1	6	This question applies to suppliers located in the EEA.	For ECHA reporting obligations: <i>REACH Article 7(2)</i> , does the supplier have a process to track and report the required information to ECHA?	<p>6a. Does the supplier import or ship products containing substances on the Candidate list >.1%? Yes No</p> <p>If "yes" continue to 6b. If "no", then question is not applicable.</p> <p>6b. Does the supplier import or ship greater than 1 tonne per calendar year of any candidate list substance in articles? Yes No</p> <p>If "yes" continue to 6c. If "no", then question is not applicable.</p> <p>6c. Did the supplier report to ECHA per article 7? Yes No</p> <p>A "Yes" to 6c is OK A "No" is Opportunity</p>	Ok Opportunity for Improvement N/A N/E
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Assessor: Please briefly describe supplier's process to track and report information to ECHA, if required (You may attach additional sheets and/or include screenshots, if necessary, to provide required information.):



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Glossary

SVHC: Substance of High Concern.

Cat1: Design responsible supplier

BTP: Build to print supplier (P&W design)

EEA: European Economic Area

N/A: Not applicable

N/E: Not evaluated

OEM: Original Equipment Manufacturer

MRO: Maintenance, Repair and Overhaul

Annex XIV List: Substances that are banned within the European Economic Area (EEA) and can only be used with proper authorization from ECHA. Articles containing substances on the Annex XIV List require safe use information if shipping to or within the European Economic Area. (See link below)

Candidate List: Substances identified by ECHA to be substances of very high concern (SVHC) and hazardous to human health and the Environment. Articles containing >.1% of any substance on the Candidate List require safe use documentation if shipping to/from or within the EEA. (See link below)

Declaration: Information provided on request by a supplier to its customer about REACH-regulated substances in its products or processes that enables the customer to comply with its REACH regulatory obligations..

ECHA: European Chemicals Agency – Regulatory agency that administers the REACH regulation on behalf of the European Union. <https://echa.europa.eu/>

PWA REACH Site: [http://www.pw.utc.com/REACH and Materials of Concern](http://www.pw.utc.com/REACH_and_Materials_of_Concern)

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PWC REACH Site: <http://www.pwc.ca/en/REACH>

Safe use information: Information for the recipient of an article on how to use the article safely. Required for parts shipped to/within the EEA that contain greater than 0.1% of the Candidate list substance (SVHC).

Risk/Intent of the Questions:

Question	REACH Compliance	Business Risk
1	REACH Management	Risk of business disruption for non-compliance. REACH is a dynamic/complex regulation, with numerous deadlines and requirements that extend up/down the supply chain.
2	Substance Declaration to P&W	Required for Safe Use Documents (design-responsible suppliers) and Authorization of substance use (build to print suppliers)
3	Safe Use Information	Non-compliance could prevent a supplier from shipping parts containing regulated substances to/within the EEA
4	Sub Tier Monitoring	Evaluates the supplier's management of REACH risk with its suppliers, just as P&W is doing with its first-tier suppliers
5	Valid Authorizations for Banned Substances	Evaluates an EEA supplier's ability to legally procure and use a substance needed to manufacture or repair P&W parts.
6	Annual Reporting to ECHA	Evaluates an EEA supplier's ability to comply with annual government reporting obligations, if applicable.

Example of Application Numbers
Application Number Format: ##### - ##



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Application Number	Name	CAS Number	Applicant(s)	Use name	Status	Entry Nr in Annex XIV
0001-01	Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	Rolls-Royce plc	The processing	Commission	4
0002-01	Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	ARKEMA FRANCE	Formulation of	Application v	4
0002-02	Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	ARKEMA FRANCE	Industrial use	Application v	4
0003-01	Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	Grupa Azoty Zakłady Azotowe Kędzierzyn S.A.	Formulation of	Pending deci	4
0003-02	Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	Grupa Azoty Zakłady Azotowe Kędzierzyn S.A.	Industrial use	Pending deci	4
	Bis(2-ethylhexyl) phthalate					

Example of an Authorization number:
Authorization Number Format: REACH/##/##/##

Date of decision	Substance name	Holder of the authorisation	Authorisation number	Authorised use	Date of expiry of review period	Reasons for the decision
7 August 2014	Bis(2-ethylhexyl) phthalate (DEHP) EC No: 204-211-0 CAS No: 117-81-7	Rolls-Royce plc PO Box 31, Derby Derbyshire DE24 OBJ UNITED KINGDOM	REACH/14/1/0	Processing of a stop-off formulation containing DEHP during the diffusion bonding and manufacture of aero engine fan blades	21 February 2022	<ul style="list-style-type: none"> — Risk is adequately controlled in accordance with Article 60(2) of Regulation (EC) No 1907/2006. — There are no suitable alternatives at present and search for technically feasible alternatives is ongoing under a 5-10 year research programme.

<https://echa.europa.eu/applications-for-authorisation-previous-consultations>

Annex XIV List Page

Link:

<https://echa.europa.eu/authorisation-list>



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Substances on the Annex XIV List

Name	EC no.	CAS no.	Entry no.	Latest application date	Sunset Date
5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	201-329-4	81-15-2	01	21/02/2013	21/08/2014
4,4'- Diaminodiphenylmethane (MDA)	202-974-4	101-77-9	02	21/02/2013	21/08/2014
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified gamma-hexabromocyclododecane EC no.: - CAS no.: 134237-52-8 beta-hexabromocyclododecane EC no.: - CAS no.: 134237-51-7 1,2,5,6,9,10-hexabromocyclododecane EC no.: 221- 695-9 CAS no.: 3194-55-6 Hexabromocyclododecane EC no.: 247-148-4 CAS no.: 25637-99-4 alpha-hexabromocyclododecane EC no.: - CAS no.: 134237-50-6	-	-	03	21/02/2014	21/08/2015
Bis(2-ethylhexyl) phthalate (DEHP)	204-211-0	117-81-7	04	21/08/2013	21/02/2015
Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	05	21/08/2013	21/02/2015
Dibutyl phthalate (DBP)	201-557-4	84-74-2	06	21/08/2013	21/02/2015

Candidate List page

Link: <https://echa.europa.eu/information-on-chemicals/candidate-list-substances-in-articles-table>

Example of substances on Candidate List



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Name	CAS Number
<u>Bis (2-ethylhexyl)phthalate (DEHP)</u>	117-81-7
<u>Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane, Beta-hexabromocyclododecane Gamma-hexabromocyclododecane</u>	25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8
<u>Aluminosilicate Refractory Ceramic Fibres</u> are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of <u>aluminium</u> and silicon are the main components present (in the <u>fibres</u>) within variable concentration ranges b) <u>fibres</u> have a length weighted geometric mean diameter less two standard geometric errors of 6 or less <u>micrometres</u> (µm) c) alkaline oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight	
<u>Dibutyl phthalate (DBP)</u>	84-74-2
<u>Diisobutyl phthalate</u>	84-69-5
<u>Boric acid</u>	10043-35-3 11113-50-1
<u>Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)</u>	123-77-3
<u>Disodium tetraborate, anhydrous</u>	1303-96-4 1330-43-4 12179-04-3
<u>1-Methyl-2-pyrrolidone</u>	872-50-4
<u>Lead titanium zirconium oxide</u>	12626-81-2
<u>Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)</u>	85535-84-8
<u>Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)</u>	1163-19-5
<u>Diboron trioxide</u>	1303-86-2
<u>Lead monoxide (lead oxide)</u>	1317-36-8
<u>2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)</u>	25973-55-1
<u>4-Nonylphenol, branched and linear, ethoxylated</u> [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	
<u>Orange lead (lead tetroxide)</u>	1314-41-6
<u>Lead chromate molybdate sulphate red (C.I. Pigment Red 104)</u>	12656-85-8
<u>Lead sulfochromate yellow (C.I. Pigment Yellow 34)</u>	1344-37-2
<u>Benzyl butyl phthalate (BBP)</u>	85-68-7

Revision History:

Revised By	Date	Description of changes	Rev #
K. Bennett	01/16/2018	Updated to include MRO to the questionnaire.	Rev 6