

Issued May 2016

EHS Regulations Overview (front and adhesive)		Toy regulation						
		EN 71-3 ¹⁾	EN 71-9 ²⁾	2005/84/EC ³⁾	2000/53/EC ⁴⁾	REACH ⁶⁾	94/62/EC ⁷⁾	2011/65/EC ⁸⁾
D/Duro, ED/Extra Duro, NP/NonPerm, ENP/Extra NonPerm								
JAC[®] Offset (paper) adhesive								
White papers (Script, Chromo semi gloss, Chromo gloss, Chromo matt,	D,ED,NP	✓	ask CSR	✓	✓	✓	✓	✓
FSC White papers (Script, Chromo, Brilliant)	D	✓	ask CSR	✓	✓	✓	✓	✓
Specialty papers (Opaque, Radial, Brilliant Board, Script 115, Script coloured, TE-Coat, Copy CF)	D,DP	✓	ask CSR	✓	✓	✓	✓	✓
Offset&Laser (Datalaser)	D	✓	ask CSR	✓	✓	✓	✓	✓
Digilabel (Matt, Semi-gloss, Gloss, High Gloss)	D	✓	ask CSR	✓	✓	✓	✓	✓
JAC[®] Offset (non-paper) adhesive								
Ecoplus Paperprint	D	✓	ask CSR < 25ppm	✓	✓	✓	✓	✓
Offset&Laser (Data PE)	ED	✓	no	✓	✓	✓	✓	✓
Serilux Plus (White, Transparent)	D,NP	✓	ask CSR no	✓	✓	✓	✓	✓
Specialties (Tyvek, Metallic, Acetate, Acetate Silk, Duplo)	D,ED	✓	no	✓	✓	✓	✓	✓
Digilabel (PE, PP, PET films)	ED,NP	✓	no < 25ppm	✓	✓	✓	✓	✓
JAC[®] Screen (films) adhesive								
Ecoplus (White, Transparent)	D,NP	✓	ask CSR < 25ppm	✓	✓	✓	✓	✓
Serilux (White, Transparent, Opaque)	D,ED,NP,ENP	✓	ask CSR no	✓	✓	✓	✓	✓
Serilux (Coloured)	D	✓	ask CSR no	✓	✓	✓	✓	✓
Specialty films (Deco, Alupur, Seripol)	D	✓	no	✓	✓	✓	✓	✓
Specialty films (Safety, Radial)	D	✓	no no	✓	✓	✓	✓	✓
Specialty films (Stick)	D	✓	no	✓	✓	✓	✓	✓
Specialty films (Serisign,)	D	✓	no no	✓	✓	✓	✓	✓

1) EN 71-3 = European standard EN 71 specifies safety requirements for toys. EN 71, part 3 specifies the migration of heavy metals.

2) EN 71-9 = This part 9 of the document EN 71 for safety of toys, specifies requirements for the migration or content of certain hazardous organic chemical compounds from/in certain toys and toy materials. For actual information please ask your responsible CSR.

3) Directive 2005/84/EC of 14 December 2005 relating to restrictions on the marketing and use of certain dangerous substances and preparations (phthalates in toys and childcare articles). All products comply with this Directive with the exception of JAC Serilux Films (White, Transparent, Coloured and Specialties), JAC Serilux Plus Films (White and Transparent).

4) Directive 2000/53/EC of 18 September 2000 on End of Life Vehicles (ELV). This directive prescribes what to do with vehicles when they have lost their intended functionality.
Relevant for GRS-E standard products is article 4 lid 2(a) from this Directive, regulating hazardous substances being lead, mercury, cadmium or hexavalent chromium. In GRS-E standard products these substances are not intentionally used and/or will not exceed the maximum concentration limits.
Note: JAC Serilux colours (except black) do not comply with this directive.

6) REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) is a European Union Regulation for use of chemical substances and their potential impacts on human health and environment. The so called substances of concern are specified in the Substances Of Very High Concern list (SVHC). For detailed information please contact your CSR.

7) Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.
All standard GRS-E products are in compliance with Directive 94/62/EC and their supporting norms EN13427, EN13428 and EN13431. In the production process of these products the heavy metals referred to are not intentionally used. The levels of these substances will not exceed the specified maximum concentration levels, being 100ppm for the sum of the substances lead, hexavalent chromium, mercury and cadmium.

8) Directive 2002/95/EC of 27 January 2003 and amendment Directive 2011/65/EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS), being lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE) or decabromo diphenyl ether (decaBDE). None of these substances are intentionally used in GRS-E standard products.

All statements relate to unconverted JAC products, i.e. not printed, lacquered, varnished or provided with any other treatment. Compliance of inks, lacquers, varnishes.



JAC® GRAPHICS

Product compliance

Issued May 2016

Isega food contact certificates for adhesives	
	✓ = product does comply no = product does not comply
	<i>Isega¹⁾</i>
JAC® Offset (paper)	
D2000 (Duro)	✓
DuroPlus (Extra Duro)	✓
NP7 (NonPerm)	✓
JAC® Offset (non-paper)	
A2 (NonPerm) Serilux Plus	no
AL10/AL170 (Duro) Acetates, Duplo	no
AL180/AL190 (Extra Duro) Data PE105, Metallic, Tyvek, Acetate Silk, Digilabel	no
C4 (NonPerm) Digilabel	no
D500 (Duro) Ecoplus Paperprint	✓
E110 (Duro) Serilux Plus	no
JAC® Screen (films)	
A2 (NonPerm) Serilux	no
A5 (Extra NonPerm) Serilux	no
AL170 (Duro) Deco, Seripol, Alupur	no
AL204 (Duro) Serisign	no
C3 (NonPerm) Ecoplus	✓
D500 (Duro) Ecoplus	✓
D600 (Extra Duro) Ecoplus	✓
E110 (Duro) Serilux	no
E300 (Extra Duro) Serilux	no
PE95 (Duro) Safety	no

¹⁾ ISEGA = independent institute which physically and chemically analyses graphical materials in order to classify it for food contact. All compliant products (adhesives) come along with a certificate and are recommended for indirect or for direct contact with dry, non-fatty foodstuffs.

Guarantee and liability

All Avery Dennison and JAC® statements, technical information and recommendations are based on tests believed to be reliable but do not constitute a guarantee or warranty. All Avery Dennison and JAC® products are sold with the understanding that purchaser has independently determined the suitability of such products for its purposes. All Avery Dennison and JAC® products are sold subject to Avery Dennison's general terms and conditions of sale, see <http://terms.europe.averydennison.com>



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