



The Power to Surprise

**SVHC List**

**[KIA MOTORS EUROPE] Optima Hybrid(JF HEV)**

Area	Parts	SVHCs present in component articles at greater than 0.1% w/w (CAS No)
INTERIOR	SEAT ARM REST	Benzyl butyl phthalate (BBP)( 85-68-7); Bis (2-ethylhexyl)phthalate (DEHP)( 117-81-7); Dibutyl phthalate (DBP)( 84-74-2); 1-methyl-2-pyrrolidone(872-50-4); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))( 123-77-3); Lead Titanium Zirconium Oxide(12626-81-2); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3); Silicic acid, lead salt(11120-22-2); Lead(7439-92-1)
	SWITCHES CONTROLLER	Bis (2-ethylhexyl)phthalate (DEHP)( 117-81-7); Dibutyl phthalate (DBP)( 84-74-2); 1-methyl-2-pyrrolidone(872-50-4); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))( 123-77-3); Lead Titanium Zirconium Oxide(12626-81-2); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3); Silicic acid, lead salt(11120-22-2); 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)( 25973-55-1); Octamethylcyclotetrasiloxane (D4)( 556-67-2); Lead(7439-92-1)
	CONSOLE	Benzyl butyl phthalate (BBP)( 85-68-7); Dibutyl phthalate (DBP)( 84-74-2); 1-methyl-2-pyrrolidone(872-50-4); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))( 123-77-3); Lead Titanium Zirconium Oxide(12626-81-2); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3); Silicic acid, lead salt(11120-22-2); 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)( 15571-58-1); 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)( 25973-55-1); Lead(7439-92-1)
	STEERING WHEEL GEAR SHIFT LEVER	Bis (2-ethylhexyl)phthalate (DEHP)( 117-81-7); Dibutyl phthalate (DBP)( 84-74-2); 1-methyl-2-pyrrolidone(872-50-4); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))( 123-77-3); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3); 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)( 15571-58-1); Lead(7439-92-1)
	DOOR	Bis (2-ethylhexyl)phthalate (DEHP)( 117-81-7); Dibutyl phthalate (DBP)(84-74-2); 1-methyl-2-pyrrolidone(872-50-4); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))(123-77-3); Lead Titanium Zirconium Oxide(12626-81-2); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3); 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)(15571-58-1); 2-(2H-benzotriazol-

		2-yl)-4,6-ditertpentylphenol (UV-328)(25973-55-1); Octamethylcyclotetrasiloxane (D4)( 556-67-2); Lead(7439-92-1)
	DISPLAY	Bis (2-ethylhexyl)phthalate (DEHP)(117-81-7); Dibutyl phthalate (DBP)(84-74-2); 1-methyl-2-pyrrolidone(872-50-4); Lead Titanium Zirconium Oxide(12626-81-2); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3); Silicic acid, lead salt(11120-22-2); 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)(15571-58-1); Lead(7439-92-1); 2-Methylimidazole(693-98-1)
	SEAT BELT & PRETENTIONER	Bis (2-ethylhexyl)phthalate (DEHP)(117-81-7); Dibutyl phthalate (DBP)(84-74-2); 1-methyl-2-pyrrolidone(872-50-4); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))(123-77-3); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3); Octamethylcyclotetrasiloxane (D4)( 556-67-2); Lead(7439-92-1)
	THE OTHERS	Bis (2-ethylhexyl)phthalate (DEHP)( 117-81-7); Dibutyl phthalate (DBP)( 84-74-2); 1-methyl-2-pyrrolidone(872-50-4); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))( 123-77-3); Lead Titanium Zirconium Oxide(12626-81-2); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3); Silicic acid, lead salt(11120-22-2); 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)(15571-58-1); 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)(25973-55-1); Octamethylcyclotetrasiloxane (D4)( 556-67-2); Lead(7439-92-1)
ENGINE ROOM	HEATER & COOLING UNIT	Bis (2-ethylhexyl)phthalate (DEHP)( 117-81-7); Dibutyl phthalate (DBP)( 84-74-2); 1-methyl-2-pyrrolidone(872-50-4); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))( 123-77-3); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3); 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)(15571-58-1); Octamethylcyclotetrasiloxane (D4)( 556-67-2); Decamethylcyclopentasiloxane (D5)( 541-02-6); 2-Methylimidazole(693-98-1)
	WIRING HARNESS	Bis (2-ethylhexyl)phthalate (DEHP)(117-81-7); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))(123-77-3); Lead Titanium Zirconium Oxide(12626-81-2); Lead oxide(1317-36-8); Octamethylcyclotetrasiloxane (D4)( 556-67-2); Decamethylcyclopentasiloxane (D5)( 541-02-6)
	ENGINE TRANSMISSION	Benzyl butyl phthalate (BBP)(85-68-7); Bis (2-ethylhexyl)phthalate (DEHP)(117-81-7); Dibutyl phthalate (DBP)(84-74-2); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))(123-77-3); Lead Titanium Zirconium Oxide(12626-81-2); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3); Octamethylcyclotetrasiloxane (D4)( 556-67-2); Decamethylcyclopentasiloxane (D5)( 541-02-6); Tris(nonylphenyl)phosphite(26523-78-4)
	THE OTHERS	Bis (2-ethylhexyl)phthalate (DEHP)( 117-81-7); Dibutyl phthalate (DBP)( 84-74-2); 1-methyl-2-pyrrolidone(872-50-4); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))( 123-77-3); Lead Titanium Zirconium Oxide(12626-81-2); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3); Silicic acid, lead salt(11120-22-2); Octamethylcyclotetrasiloxane (D4)( 556-67-2); Lead(7439-92-1); Ethylenediamine (EDA)( 107-15-3); Decamethylcyclopentasiloxane (D5)( 541-02-6); Tris(nonylphenyl)phosphite(26523-78-4)

BODY	GLASS	Bis (2-ethylhexyl)phthalate (DEHP)( 117-81-7); 1-methyl-2-pyrrolidone(872-50-4); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))( 123-77-3); Lead Titanium Zirconium Oxide(12626-81-2); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3)
	OUTSIDE LAMP OUTSIDE MIRROR	Bis (2-ethylhexyl)phthalate (DEHP)( 117-81-7); 1-methyl-2-pyrrolidone(872-50-4); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))( 123-77-3); Lead Titanium Zirconium Oxide(12626-81-2); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3); Silicic acid, lead salt(11120-22-2); 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)(15571-58-1 ; Octamethylcyclotetrasiloxane (D4)( 556-67-2); Decamethylcyclopentasiloxane (D5)( 541-02-6); Lead(7439-92-1); Dicyclohexyl phthalate (DCHP)(84-61-7)
	BUMPER	Bis (2-ethylhexyl)phthalate (DEHP)(117-81-7); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))(123-77-3); Lead Titanium Zirconium Oxide(12626-81-2); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3); Silicic acid, lead salt(11120-22-2); 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)(25973-55-1); Octamethylcyclotetrasiloxane (D4)( 556-67-2); Lead(7439-92-1)
	THE OTHERS	Aluminosilicate Refractory Ceramic Fibres( 142844-00-6); Bis (2-ethylhexyl)phthalate (DEHP)(117-81-7); Dibutyl phthalate (DBP)(84-74-2); 1-methyl-2-pyrrolidone(872-50-4); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))(123-77-3); Lead Titanium Zirconium Oxide(12626-81-2); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3); Silicic acid, lead salt(11120-22-2); 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)(15571-58-1); 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)(25973-55-1); Octamethylcyclotetrasiloxane (D4)( 556-67-2); Lead(7439-92-1); Dicyclohexyl phthalate (DCHP)(84-61-7); Tris(nonylphenyl)phosphite(26523-78-4)

No specific safe use information is required – follow General Safe Use Information for Articles.



The Power to Surprise

**SVHC List**

**[KIA MOTORS EUROPE] Optima Plug-in Hybrid (JF PHEV)**

Area	Parts	SVHCs present in component articles at greater than 0.1% w/w (CAS No)
INTERIOR	SEAT ARM REST	Benzyl butyl phthalate (BBP)( 85-68-7); Bis (2-ethylhexyl)phthalate (DEHP)( 117-81-7); Dibutyl phthalate (DBP)( 84-74-2); 1-methyl-2-pyrrolidone(872-50-4); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))( 123-77-3); Lead Titanium Zirconium Oxide(12626-81-2); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3); Silicic acid, lead salt(11120-22-2); Lead(7439-92-1)
	SWITCHES CONTROLLER	Bis (2-ethylhexyl)phthalate (DEHP)( 117-81-7); Dibutyl phthalate (DBP)( 84-74-2); 1-methyl-2-pyrrolidone(872-50-4); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))( 123-77-3); Lead Titanium Zirconium Oxide(12626-81-2); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3); Silicic acid, lead salt(11120-22-2); 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)( 25973-55-1); Octamethylcyclotetrasiloxane (D4)( 556-67-2); Lead(7439-92-1)
	CONSOLE	Benzyl butyl phthalate (BBP)( 85-68-7); Dibutyl phthalate (DBP)( 84-74-2); 1-methyl-2-pyrrolidone(872-50-4); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))( 123-77-3); Lead Titanium Zirconium Oxide(12626-81-2); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3); Silicic acid, lead salt(11120-22-2); 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)( 15571-58-1); 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)( 25973-55-1); Lead(7439-92-1)
	STEERING WHEEL GEAR SHIFT LEVER	Bis (2-ethylhexyl)phthalate (DEHP)( 117-81-7); Dibutyl phthalate (DBP)( 84-74-2); 1-methyl-2-pyrrolidone(872-50-4); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))( 123-77-3); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3); 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)( 15571-58-1); Lead(7439-92-1)
	DOOR	Bis (2-ethylhexyl)phthalate (DEHP)( 117-81-7); Dibutyl phthalate (DBP)(84-74-2); 1-methyl-2-pyrrolidone(872-50-4); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))(123-77-3); Lead Titanium Zirconium Oxide(12626-81-2); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3); 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)(15571-58-1); 2-(2H-benzotriazol-

		2-yl)-4,6-ditertpentylphenol (UV-328)(25973-55-1); Octamethylcyclotetrasiloxane (D4)( 556-67-2); Lead(7439-92-1)
	DISPLAY	Bis (2-ethylhexyl)phthalate (DEHP)(117-81-7); Dibutyl phthalate (DBP)(84-74-2); 1-methyl-2-pyrrolidone(872-50-4); Lead Titanium Zirconium Oxide(12626-81-2); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3); Silicic acid, lead salt(11120-22-2); 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)(15571-58-1); Lead(7439-92-1); 2-Methylimidazole(693-98-1)
	SEAT BELT & PRETENTIONER	Bis (2-ethylhexyl)phthalate (DEHP)(117-81-7); Dibutyl phthalate (DBP)(84-74-2); 1-methyl-2-pyrrolidone(872-50-4); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))(123-77-3); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3); Octamethylcyclotetrasiloxane (D4)( 556-67-2); Lead(7439-92-1)
	THE OTHERS	Bis (2-ethylhexyl)phthalate (DEHP)( 117-81-7); Dibutyl phthalate (DBP)( 84-74-2); 1-methyl-2-pyrrolidone(872-50-4); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))( 123-77-3); Lead Titanium Zirconium Oxide(12626-81-2); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3); Silicic acid, lead salt(11120-22-2); 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)(15571-58-1); 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)(25973-55-1); Octamethylcyclotetrasiloxane (D4)( 556-67-2); Lead(7439-92-1)
ENGINE ROOM	HEATER & COOLING UNIT	Bis (2-ethylhexyl)phthalate (DEHP)( 117-81-7); Dibutyl phthalate (DBP)( 84-74-2); 1-methyl-2-pyrrolidone(872-50-4); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))( 123-77-3); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3); 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)(15571-58-1); Octamethylcyclotetrasiloxane (D4)( 556-67-2); Decamethylcyclopentasiloxane (D5)( 541-02-6); 2-Methylimidazole(693-98-1)
	WIRING HARNESS	Bis (2-ethylhexyl)phthalate (DEHP)(117-81-7); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))(123-77-3); Lead Titanium Zirconium Oxide(12626-81-2); Lead oxide(1317-36-8); Octamethylcyclotetrasiloxane (D4)( 556-67-2); Decamethylcyclopentasiloxane (D5)( 541-02-6)
	ENGINE TRANSMISSION	Benzyl butyl phthalate (BBP)(85-68-7); Bis (2-ethylhexyl)phthalate (DEHP)(117-81-7); Dibutyl phthalate (DBP)(84-74-2); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))(123-77-3); Lead Titanium Zirconium Oxide(12626-81-2); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3); Octamethylcyclotetrasiloxane (D4)( 556-67-2); Decamethylcyclopentasiloxane (D5)( 541-02-6); Tris(nonylphenyl)phosphite(26523-78-4)
	THE OTHERS	Bis (2-ethylhexyl)phthalate (DEHP)( 117-81-7); Dibutyl phthalate (DBP)( 84-74-2); 1-methyl-2-pyrrolidone(872-50-4); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))( 123-77-3); Lead Titanium Zirconium Oxide(12626-81-2); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3); Silicic acid, lead salt(11120-22-2); Octamethylcyclotetrasiloxane (D4)( 556-67-2); Decamethylcyclopentasiloxane (D5)( 541-02-6); Lead(7439-92-1);

		Ethylenediamine (EDA)( 107-15-3); Tris(nonylphenyl)phosphite(26523-78-4)
BODY	GLASS	Bis (2-ethylhexyl)phthalate (DEHP)( 117-81-7); 1-methyl-2-pyrrolidone(872-50-4); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))( 123-77-3); Lead Titanium Zirconium Oxide(12626-81-2); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3)
	OUTSIDE LAMP OUTSIDE MIRROR	Bis (2-ethylhexyl)phthalate (DEHP)( 117-81-7); 1-methyl-2-pyrrolidone(872-50-4); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))( 123-77-3); Lead Titanium Zirconium Oxide(12626-81-2); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3); Silicic acid, lead salt(11120-22-2); 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)(15571-58-1); Octamethylcyclotetrasiloxane (D4)( 556-67-2); Decamethylcyclopentasiloxane (D5)( 541-02-6); Lead(7439-92-1); Dicyclohexyl phthalate (DCHP)(84-61-7)
	BUMPER	Bis (2-ethylhexyl)phthalate (DEHP)(117-81-7); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))(123-77-3); Lead Titanium Zirconium Oxide(12626-81-2); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3); Silicic acid, lead salt(11120-22-2); 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)(25973-55-1); Octamethylcyclotetrasiloxane (D4)( 556-67-2); Lead(7439-92-1)
	THE OTHERS	Aluminosilicate Refractory Ceramic Fibres( 142844-00-6); Bis (2-ethylhexyl)phthalate (DEHP)(117-81-7); Dibutyl phthalate (DBP)(84-74-2); 1-methyl-2-pyrrolidone(872-50-4); Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))(123-77-3); Lead Titanium Zirconium Oxide(12626-81-2); Lead oxide(1317-36-8); Lead titanium trioxide(12060-00-3); Silicic acid, lead salt(11120-22-2); 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)(15571-58-1); 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)(25973-55-1); Octamethylcyclotetrasiloxane (D4)( 556-67-2); Lead(7439-92-1); Dicyclohexyl phthalate (DCHP)(84-61-7); Tris(nonylphenyl)phosphite(26523-78-4)

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