

# REACH Compliance

The following is an overview of the current SVHCs and their possible uses:

Substance Name	CAS No.	EC No.	Possible Uses	Segway Part
4,4'- Diaminodiphenylmethane (MDA)	101-77-9	202-974-4	epoxy resin in printed circuit boards, production of PU, articles of clothing	
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	smell oils, candles	
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffin)	85535-84-8	287-476-5	leather greasing, softener in PVC and chlorinated rubber, flame protection in plastics and textiles	
Anthracene	120-12-7	204-371-1	Coloring materials	
Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	Softener for resin, PVC, acrylic	
Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	204-211-0	Plasticizer or the production of plastics	17928-0001 Segway Powercord, manufactured prior to March, 2011. Powercords manufactured after March, 2011 are REACH compliant.
Bis(tributyltin)oxide (TBTO)	56-35-9	200-268-0	Fungicides, wood preservatives	
Cobalt dichloride	7646-79-9	231-589-4	Humidity indicator in silicagel	
Diarsenic pentaoxide	1303-28-2	215-116-9	Insecticides, herbicide, wood preservative, coloring and printing	
Diarsenic trioxide	1327-53-3	215-481-4	Herbicide, wood preservative, production of special glass	
Dibutyl phthalate (DBP)	84-74-2	201-557-4	Softener in adhesives and Paper coatings; Insect protective agent for textiles	
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane (α-HBCDD) Beta-hexabromocyclododecane (β-HBCDD) Gamma-hexabromocyclododecane (γ-HBCDD)	25637-99-4 and 3194-55-6 134237-51-7, 134237-50-6, 134237-52-8	247-148-4 221-695-9	Flame protection in HIPS and textiles	
Lead hydrogen arsenate	7784-40-9	232-064-2	Insecticides	
Sodium dichromate	7789-12-0 10588-01-9	234-190-3	Corrosion inhibitor in colors, cleaners in the textile coloring	
Triethyl arsenate	15606-95-8	427-700-2	Intermediate products in the semiconductor industry	
2,4-Dinitrotoluene	121-14-2	204-450-0	Production of explosives, PU, coloring materials	
Anthracene oil	90640-80-5	292-602-7	Colors, wood preservation, softener (rubber), biocides	
Anthracene oil, anthracene paste	90640-81-6	292-603-2	Colors, wood preservation, softener (rubber), biocides	
Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	Colors, wood preservation, softener (rubber), biocides	
Anthracene oil, anthracene paste, distn. lights	91995-17-4	295-278-5	Colors, wood preservation, softener (rubber), biocides	
Anthracene oil, anthracene-low	90640-82-7	292-604-8	Colors, wood preservation, softener (rubber), biocides	
Diisobutyl phthalate (DIBP)	84-69-5	201-553-2	Softener, substitution of other Phthalates	
Lead chromate	7758-97-6	231-846-0	Production of pigments, coloring materials and pyrotechnic powder, wash and bleach	
Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	235-759-9	Coloring, lacquer finish and coating	
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	215-693-7	Coloring, lacquer finish and coating means, camouflage or ammunition marking	
Coal tar pitch, high temperature	65996-93-2	266-028-2	Production of electrodes, heavy corrosion protection, special plaster	
Tris(2-chloroethyl)phosphate (TCEP)	115-96-8	204-118-5	Flame protection, softener	
Aluminosilicate Refractory Ceramic Fibres	index number 650-017-00-8		High temperature isolation, fire protection	
Zirconia Aluminosilicate, Refractory Ceramic Fibres	index number 650-017-00-8		High temperature isolation, fire protection	
Acrylamide	79-06-1	201-173-7	Used for synthesis of polyacrylamides and grouting agent in civil engineering	
2-Ethoxyethanol	203-804-1	110-80-5	commercial and industrial solvent in varnish removers and degreasing solutions	
2-Methoxyethanol	203-713-7	109-86-4	solvent in varnishes, dyes, resins, additive in airplane deicing solution	
Ammonium dichromate	232-143-1	7789-09-5	pigment dye, leather tanning, oil refining	
Boric acid	233-139-2 / 234-343-4	10043-35-3 / 11113-50-1	antiseptic, flame retardant, insecticide	
Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid	231-801-5 / 236-881-5	7738-94-5 / 13530-68-2	metal plating, ceramic glazes, colored glass	
Chromium trioxide	215-607-8	1333-82-0	metal plating	
Cobalt(II) carbonate	208-169-4	513-79-1	cobalt ore production, pigment, feed additive	
Cobalt(II) diacetate	200-755-8	71-48-7	manufacture of pigments, dyes, rubber adhesion, feed additive	
Cobalt(II) dinitrate	233-402-1	10141-05-6	manufacture of catalysts, batteries	
Cobalt(II) sulphate	233-334-2	10124-43-3	pigments, electroplating, corrosion prevention, batteries, feed additive, fertilizer	
Potassium chromate	232-140-5	7789-00-6	leather tanning, textile dyes	
Potassium dichromate	231-906-6	7778-50-9	cleaning and etching glass, cement additive, leather tanning, wood preservative	
Sodium chromate	231-889-5	1113/75	corrosion prevention, textile dye, wood preservative	
Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1	detergents and cleaners, fire retardants, adhesives, fertilizer	
Trichloroethylene	201-167-4	79-01-6	industrial cleaners and degreasers, adhesives	
2-Ethoxyethyl acetate	111-15-9	203-839-2	Solvents and paints	
Strontium chromate	7789-06-2	232-142-6	Pigment for paints, varnishes, and oils. Aluminum flake coatings.	
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	271-084-6	Plasticizer for the production of plastics	
Hydrazine	302-01-2 / 7803-57-8	206-114-9	Production of foams, pharmaceuticals, rocket fuel, and automobile airbags.	
1-Methyl-2-pyrrolidone	872-50-4	212-828-1	Production of petrochemicals, pharmaceuticals, and textiles. Industrial paint stripper.	
1,2,3-Trichloropropane	96-18-4	202-486-1	Paint and varnish remover as well as a cleaner and degreaser. Additive to pesticides.	
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	276-158-1	Plasticizer for production of plastics	
Calcium arsenate	7778-44-1	231-904-5	Pesticide, herbicide, and germicide. Also used in the refinement of copper, lead, and other metals	
Bis(2-methoxyethyl) ether	111-96-6	203-924-4	Industrial solvent used in sealants, adhesives, and fuels	
Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	234-329-8	Paints and metal primers	
Lead dipicrate	6477-64-1	229-335-2	Used in detonators and explosives	
N,N-dimethylacetamide	127-19-5	204-826-4	Used as solvent in the production of fibres for clothing. Also used in industrial coatings, films, paint strippers and ink removers	
Arsenic acid	7778-39-4	231-901-9	Used in the production of glass and printed circuit boards	
2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	Coloring for printing inks, dyes, and tattoo ink	
Trilead diarsenate	3687-31-8	222-979-5	Used in the refinement of copper, lead, and other metals	
1,2-dichloroethane	107-06-2	203-458-1	Industrial solvent used in the manufacturing and pharmaceutical industries	
Pentazinc chromate octahydroxide	49663-84-5	256-418-0	Metal surface treatments and coatings	
Formaldehyde, oligomeric reaction products with aniline	25214-70-4	500-036-1	Component of various resins, epoxies, and other adhesives	
Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	Paints, laquers, varnishes, and printing inks	
4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	205-426-2	Component of adhesives, inks, coatings, and rubber	
Lead diazide, Lead azide	13424-46-9	236-542-1	Used in explosives detonators pyrotechnic devices	
Phenolphthalein	77-09-8	201-004-7	Used in the production of pH-indicator paper and in medicinal products	
Dichromium tris(chromate)	24613-89-6	246-356-2	Metal surface treatments and coatings	
Lead styphnate	15245-44-0	239-290-0	Used in ammunition, munitions, pyrotechnics, and detonators	
2,2'-dichloro-4,4'-methylenedianiline	101-14-4	202-918-9	Used as curing agent in resins and in the production of plastics	

# SEGWAY®

The European Union's (EU) REACH directive (Registration, Evaluation, Authorization, and Restriction of Chemicals) places responsibility on industry to manage the risks that chemicals may pose to human health and the environment. The basic aim of REACH is to improve the protection of human health and the environment from the risks that can be posed by chemicals. REACH applies not only to chemicals used in industrial processes, but also to chemicals used in day-to-day life, such as cleaning products, paints, clothes, furniture, and electrical appliances.

The European Chemicals Agency (ECHA) has identified a list of chemicals it considers to be Substances of Very High Concern (SVHC). The list of SVHCs is updated periodically and is expected to grow to 120 chemicals.

REACH contains three basic sections that may be applicable to products sold on the European market: Registration, Notification, and Communication.

**Registration** of products with the ECHA is required for products that, when used as designed, intentionally release SVHCs. Segway's products do not perform in this manner and are not subject to registration with the ECHA.

**Notification** to the ECHA is required when the quantity of any SVHC contained within a product shipped into the EU exceeds 1 metric ton per year and the SVHC accounts for 0.1% or more of the total product weight. Segway products do not contain SVHCs in sufficient volume to require notification to the ECHA.

**Communication** to consumers is required should any product imported into the EU contain any SVHC having a quantity greater than 0.1% weight by weight of the product. Segway has investigated the components that make up our products and will communicate the presence of any SVHC and any updated information via this webpage.

Segway will strive to assure that any SVHC referred to in the REACH directive will be managed in accordance with the requirements provided therein relative to Segway products. However, Segway makes no claim that current or future SVHCs used by its suppliers of components or packaging are fully compliant with REACH and Segway makes no warranty, either expressed or implied, regarding the REACH directive information.

The table attached gives a sample list of the SVHCs. The information in the table represents Segway's best knowledge relative to the presence of SVHCs in Segway products as of the date of publication of the information. This information will evolve over time as a result of additional information provided by our suppliers and our own investigations.

## ECHA published list:

For a complete and current list of the SVHCs and for additional information regarding REACH, please go to the following website: [http://echa.europa.eu/chem\\_data/authorisation\\_process/candidate\\_list\\_table\\_en.asp](http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp)