

TECHNICAL BULLETIN

Date: 21JAN20
Subject: RoHS, RoHS 2 & RoHS 3 (Restriction of Hazardous Substances) Directives Compliance
Products: Armacell (Monarch®)

In accordance with current RoHS, RoHS 2, RoHS 3 (Restriction of the use of Hazardous Substances) and WEEE (Waste in Electrical and Electronic Equipment) legislation enacted by the EU and adopted by many other countries, Armacell (Monarch®) brand products contain no more than the allowed amounts (either less than 100 or 1000 ppm depending on substance) of the following hazardous substances:

RoHS EU Directive (2002/95/EC)	Cadmium	Mercury	PBDE (Polybrominated Diphenyl Ethers)
	Lead	Hexavalent Chromium	PBB (Polybrominated Biphenyls)

RoHS 2 EU Directive (2011/65/EU)	RoHS 2 is an updated / recast version of RoHS. It includes a CE-marking directive, with RoHS compliance now being required.
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RoHS 3 EU Directive (2015/863/EU)	RoHS 3 adds four more controlled substances (specific phthalates – see below) are added to the list in addition to the six restricted substances in original RoHS directive in 2002, as can be viewed in table above.		
	BBP (Butyl benzyl phthalate)	DEHP (Bis (2-ethylhexyl) phthalate)	
	DBP (Dibutyl phthalate)	DIBP (Diisobutyl phthalate)	

●	We do not intentionally add lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE) as well as arsenic, pentabromodiphenyl ether, decabromodiphenyl ether (DecaBDE) or octabromodiphenyl ether to any of Armacell (Monarch®) products.
●	We do not use BBP (Butyl benzyl phthalate), DBP (Dibutyl phthalate), DEHP (Bis (2-ethylhexyl) phthalate) and DIBP (Diisobutyl phthalate) in our products.
●	Armacell (Monarch®) rubber products do not contain any Class I or Class II ozone depleting chemicals. No CFC's are used or released in the manufacturing process.
●	Armacell (Monarch®) rubber products do not contain any of the compounds listed above the indicated thresholds. The response provided by Armacell LLC (for (Monarch®) brand products) is based upon our knowledge of the raw materials used in the manufacturing of closed cell rubber and plastic products.
●	To the best of our knowledge, all the products manufactured by Armacell LLC (Monarch® brand products) (Spencer, WV Plant) fulfill the RoHS, RoHS 2, RoHS 3 & WEEE requirements.

For questions with Armacell Component Foam products, please contact:
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