

## TECHNICAL LETIN

Date: June 15, 2023

Subject: RoHS, RoHS 2 & RoHS 3 (Restriction of Hazardous Substances) Directives Compliance

Products: 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, 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	Cadmium	Mercury	PBDE (Polybrominated Diphenyl Ethers)	
(2002/95/EC)	Lead	Hexavalent Chromium	PBB (Polybrominated Biphenyls)	
RoHS 2 EU Directive	RoHS 2 is an updated / recast version of RoHS. It includes a CE-marking directive, with RoHS			
(2011/65/EU)	compliance now being required.			
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 p	hthalate)	DEHP (Bis (2-ethylhexyl) phthalate)	
	DBP (Dibutyl phthalate)		DIBP (Diisobutyl phthalate)	
Armacell does not intentionally add lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyls (PBB),				

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

If you have any questions, or need additional information concerning Armacell Component Foam products, please contact the component foam technical management & chemical regulatory compliance team at Armacell:

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