

FLEXIBLE VINYL & NON-PHTHALATE PLASTICIZERS

Soft Vinyl is a complex material. Softness or flexibility is given by plasticizers' incorporation in basic formulas. Phthalates have been used for many years and are still in use today. Their possible negative impact on human health and the environment has been a subject of several studies and contradictory regulations. In order to be proactive in the protection of our customers and our environment **Clearway** is proposing a complete new non-phthalate soft vinyl range. Already used in toys, children articles, food contact material and medical devices, this new **NON-PHTHALATE** plasticizer will guarantee to the end-users the safest soft vinyl strips and sheets. Our label "**NON-PHTHALATE**" will give you the assurance that our soft vinyl is no longer using phthalates and will offer you the best choice for human health and environment protection.

✓ Risk assessment conclusions published in the Official Journals of the European Union 2006/C 90/04.

RISK ASSESSMENT Conclusion of the assessment on the risks to		PHTHALATE		 NON PHTHALATE
		DEHP	DINP	
HUMAN HEALTH	WORKERS	X	✓	✓
	CONSUMERS*	X	✓	✓
	HUMANS EXPOSED VIA THE ENVIRONMENT	X	✓	✓
	HUMAN HEALTH (physico-chemical properties)	✓	✓	✓
	FOOD CONTACT	Aqueous preparation*	✓	✓
		Acidic liquid*	✓	✓
		Alcohol beverage*	✓	✓
		Fatty food*	X	✓
	TOYS AND CHILDCARE ARTICLE		X	✓
ENVIRONMENT	ATMOSPHERE	✓	✓	✓
	AQUATIC ECOSYSTEM	X	✓	✓
	TERRESTRIAL ECOSYSTEM	X	✓	✓
	MICRO-ORGANISMS IN THE SEWAGE TREATMENT PLANT	✓	✓	✓
Conclusion		 Repr. Cat.2 R60-61	Restricted use	SAFE

✓ : SAFE

X : RISK FOR HUMAN HEALTH OR ENVIRONMENT

* migration of the plasticizer shall not exceed the maximum level authorized by regulation DINP cannot be used in toys and childcare articles which can be placed in mouth. Use of DEHP is unauthorized in all toys and childcare articles.