








GENERAL NOTICE
Technical sheet

SUBJECT

Behaviour of nitrocellulose inks for heliogravure printing on PP labels or sleeves in HDPE and PP bottles recycling.

IMPACT SUMMARY TABLE

Recycling stage	Impact	Description	Consequences
 Sorting of bottles	∅	Ink with mineral or organic pigment: no impact on sorting	
		Bottle with metallic pigment ink: study in progress	
 Grinding	∅		
 Washing	∅	If the ink comes off its base, dispersal in washing water	
 Flake floating and separation	∅	Ink remaining on a base with density <1 remains in the HDPE flow	
 Granulation (optional)	∅	The colouring resulting from the inks remaining on the base has no impact on the colouring of the recycled material	
 Recycling	∅		

 Caution ∅ No impact  Under examination ➤ **Environmental consequences**

GENERAL OPINION

In the current state of equipment and techniques used and available in Europe, the nitrocellulose inks currently used on labels and sleeves made from PP with density < 1 do not disrupt the recycling of HDPE bottles.

A study is in progress on the behaviour of metallic pigment inks. The findings will be included in an update to this data sheet.