

COmité
Technique de
Recyclage des
Emballages
Plastiques

TECHNICAL NOTICE 03-005

REQUESTED BY: **Pepsico France**

- *Date of request:* September 2003

DESCRIPTION OF PACKAGING:

- *Brand name:* Pepsi Twist Regular and Pepsi Twist Light
- *Shape:* round bottle, petaloid base, helicoid effect, marking
- *Colour:* blue or grey, opaque, iridescent appearance
- *Volume:* 33 cL and 1,5 L.



MARKET:

- Home and away-from-home consumption.

MATERIALS:

- Monolayer PET body for 1,5 L, polyamide triple-layer PET body for 33 cL.
- Colouring additive: master batch containing TiO₂ and mica
- PP label
- Ink: urethane for heliographic printing. Presence of metallic pigments
- One-piece HDPE cap
- Glue: hotmelt, synthetic polymers.

TECHNICAL NOTICE

The opaque blue or silver packaging is already on the market and is easy to identify visually. In the French system, it is channelled into the coloured PET stream for recycling.

Following examination of the packaging's impact on the recycling of the coloured PET stream:

- The metallic pigments used for inking the label have no effect on recycling.
- The concentration of barrier materials (polyamide) resulting from the packaging's body in the French pool does not significantly change the overall concentration observed in the coloured stream. The overall concentration does not currently disrupt the main recycling streams available in Europe for coloured PET packaging.

As stated in General Notice FT 19 (effect of master batch containing TiO₂ and mica), at the tested concentrations, this packaging:

- Does not disrupt the main recycling channel for a fibre application currently available in Europe.
- Significantly disrupts the strapping and bottle applications and the packaging will, in these cases, be systematically removed from the recycling stream.

Consequently, COTREP advises the Applicant to move towards a solution that is compatible with all recycling applications for PET bottles.

The Applicant is currently studying alternative solutions and this notice is likely to evolve.

Paris, July 27th, 2004

CO.T.R.E.P.

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