

## Hazard classification / labelling notes (under the EU Dangerous Preparations Directive (DPD) 1999/45/EC)

**Note:** Changes shown by shaded text

No.	Details
1.	<b>Key:</b> A = active; I = inactive; T = temporary ink
2a.	<b>Hazard Indication(s):</b> The code shown represents the <b>combined</b> hazard symbol & indication of danger text. It must be shown on packaging as follows: F = Flame symbol + "Highly Flammable" Inks classified as "Flammable" require no Hazard Indication, only the Risk phrase R10 Xn = St Andrews Cross symbol + "Harmful" Xi = St Andrews Cross symbol + "Irritant" N = Dead fish / dead tree symbol + "Dangerous for the Environment" The texts of indications of danger in all EU languages are according to the official EU list, which change occasionally. A new list is published in EU Directive 2001/59/EC (see Document 301L0059, available from <a href="http://www.europa.eu.int/eur-lex/">www.europa.eu.int/eur-lex/</a> )
2b.	NC = ink is not classified as dangerous and therefore there are no hazard labelling requirements. However, some Product phrases may be required (see 4c / 4d below)
3.	<b>Risk Phrases:</b> The texts of risk phrases in all EU languages are according to the official EU list, which change occasionally. A new list is published in EU Directive 2001/59/EC (see Document 301L0059, available from <a href="http://www.europa.eu.int/eur-lex/">www.europa.eu.int/eur-lex/</a> )
4a.	<b>Safety Phrases etc:</b> The texts of safety phrases in all EU languages are according to the official EU list, which change occasionally. A new list is published in EU Directive 2001/59/EC (see Document 301L0059, available from <a href="http://www.europa.eu.int/eur-lex/">www.europa.eu.int/eur-lex/</a> ). Any obligatory safety phrases are shown <b>in bold type</b> .
4b.	Some safety phrases are for consumer products (general public use) and others are for industrial products (work use). The extra safety phrases S2 and S46 are generally obligatory for use only on consumer products. These need not be used on industrial products even when shown <b>in bold type</b> . Safety phrases S56 / S60 are equivalent and are for consumer and industrial products respectively.
4c.	<b>Product phrases:</b> There are also Product (P-) phrases in the EU DPD some of which are applicable to Pelikan inks. Lists of these, with the official EU translations, have already been sent. Any obligatory product phrases are shown <b>in bold type</b> .
4d.	The product phrase, P13, is generally obligatory for use on industrial (generally larger or bulk ink volume) products only. It is not required when these inks are sold as consumer (generally cartridge form) products.
5.	<b>Abbreviations used:</b> To save space, abbreviations are used in the table. These are:
5a.	Chemical abbreviations: These are: DEG = diethylene glycol DPA = dipentaerythritol penta / hexyl acrylate DPO = diphenyl(2,4,6-trimethylbenzoyl) phosphine oxide HD = hexamethylene diacrylate MEG = ethylene glycol PD = petroleum distillates PFC = polyamine / fatty acid condensate The full text must be used on any product hazard label. These can be translated into any official EU languages. WGK = Wassergefährdungsklasse (a German water quality designation)
5b.	
5c.	<b>Waste Type:</b> HAZ = hazardous waste; NH = non-hazardous waste. The H-reference indicates the type of hazard (ie H3A=Highly Flammable, H3B=Flammable, H4=Irritant, H5=Harmful, H6=Toxic, H8=Corrosive, H10=Toxic for Reproduction etc). The waste code shown on the SDS is taken from the EU List of Wastes (EU Decision 2000/532/EC as amended). An asterisk (*) shows that the waste is considered hazardous.
5d.	VOC = Volatile Organic Compound (an international / EU classification for certain organic compounds which can evaporate into the atmosphere and therefore contribute to air pollution)
5e.	<b>Other abbreviations:</b> These are: con = consumer use (ie by general public) ind = industrial use (ie at work) bulk = approx 1 litre receptacles and above These are especially important in relation to the use of appropriate safety / product phrases (see 4b / 4d above)
6.	<b>Labelling derogation:</b> If the package contains less than 125 ml of ink, then only the Hazard Indication (hazard symbol & indication of danger) need be shown on the packaging.

**Date:** 10/07/2006