

Guideline**2/30****CLAP****FORM N°244****Version : 2****Directive 97/23/EC****Keywords :** Classification

Group of fluids

Fluid

Directive references: Article 1 § 2.7 - 97/23 EC

Article 9 § 2.1 - 97/23 EC

Article 9 § 2.2 - 97/23 EC

Adopted by WPG: 03/11/2003**Adopted by CLAP:** 03/11/2003**Subject:** Classification – Fluid containing a suspension of solid**Question:** How should a fluid containing a suspension of a solid be classified?**Answer:** This classification shall take account of the group of the fluid and of the group of the solid and of the group of the mixture if available.

When the group of the mixture is known according to directive 99/45/EC "Dangerous preparation directive", this group is used for the classification.

If not, the classification is based on the higher group of the fluid and the solid.

See also CLAP 210 - Guideline 1/24, CLAP 211 - Guideline 2/24, CLAP 230 - Guideline 2/26 and CLAP 231 - Guideline 2/27.

Reason: Article 1.2.7 of the PED stipulates that a fluid may contain a suspension of solids. The directive 67/548/EEC referenced in article 9 of the PED addresses "substances", defined as "chemical elements and their compounds as they occur in the natural state or as produced by industry" and "preparations", defined as "mixtures or solutions composed of two or more substances", i.e. its scope is not limited to "pure fluids". Article 3 of the directive 67/548/EEC provides the classification to be performed according to the greatest degree of hazard.

Note: When a solid is suspended in a fluid the risk of the release of solid particles by a pressure accident is substantially higher than in case of a solid block blanketed by a fluid (case of CLAP 230 - Guideline 2/26). This supports the different conclusions of this guideline and CLAP 230 - Guideline 2/26.

When the solid particles are big enough that the release of solid particles cannot be expected in case of a pressure accident, then CLAP 230 - Guideline 2/26 applies.

Modifications compared to the previous adopted version: Editorial correction on 2004-09-16.