

**Calculation of quantities for comparison with threshold planning quantities for solids and mixtures.**

- (A) If a container or storage vessel holds a mixture or solution of an extremely hazardous substance, then the concentration of extremely hazardous substance, in weight per cent (greater than one per cent), shall be multiplied by the mass (in pounds) in the vessel to determine the actual quantity of extremely hazardous substance therein.
- (B) Extremely hazardous substances that are solids are subject to either of two threshold planning quantities as shown in or referenced by rule 3750-20-30 of the Administrative Code (e.g., five hundred/ten thousand pounds). The lower (five hundred) threshold planning quantity applies only if the solid exists in powdered form and has a particles size less than one hundred microns; or is handled in solution or in molten form; or meets the criteria for a National Fire Protection Association (NFPA) rating of two, three or four for reactivity. If the solid does not meet any of these criteria, it is subject to the upper (ten thousand pound) threshold planning quantity as shown in or referenced by rule 3750-20-30 of the Administrative Code.
- (C) The one hundred micron level may be determined by multiplying the weight per cent of solid with a particle size less than one hundred microns in a particular container by the quantity of solid in the container.
- (D) The amount of solid in solution may be determined by multiplying the weight per cent of solid in the solution in a particular container by the quantity of solution in the container.
- (E) The amount of solid in molten form must be multiplied by 0.3 to determine whether the lower threshold planning quantity is met.
- (F) For purposes of this rule "mixture" means a heterogeneous association of substances where the various individual substances retain their identities and can usually be separated by mechanical means. Includes solutions or compounds but does not include alloys or amalgams.

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