



**Detailed composition of tested mixture and substantially similar untested mixture:**

Tested Mixture (Product 1)	
Ingredient	Wt%
Ingredient 1	5.0
Ingredient 2(a)	91.0
Ingredient 3	3.0
Ingredient 4	0.9
Ingredient 5	0.1

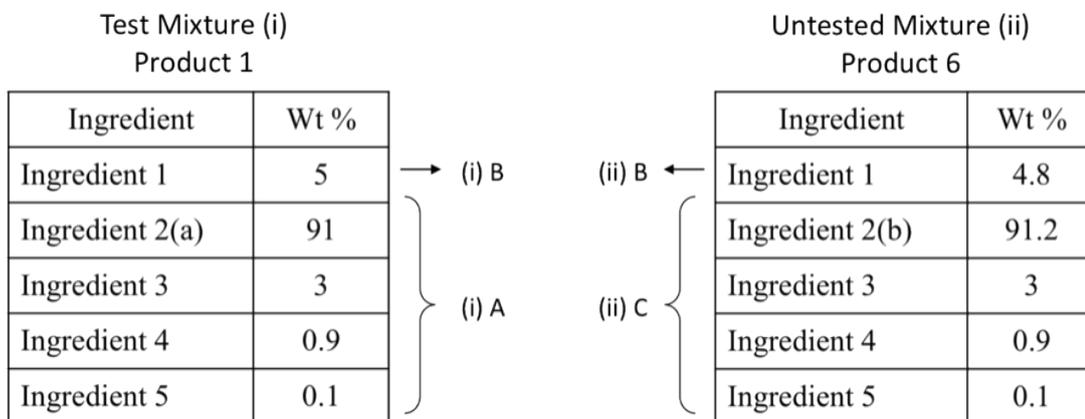
Untested Mixture (Product 6)	
Ingredient	Wt%
Ingredient 1	4.8
Ingredient 2(b)	91.2
Ingredient 3	3.0
Ingredient 4	0.9
Ingredient 5	0.1

**Answer:**

The untested mixture (Product 6) is not classified for skin sensitization based on the test data available for the similar tested mixture (Product 1).

**Rationale:**

- (a) Classification via application of substance criteria is not possible since skin sensitization test data was not provided for the untested mixture;
- (b) Classification via the application of bridging principles can be considered since there are sufficient data on both the individual ingredients and a similar tested mixture;
- (c) Classification of the mixture based on ingredient information should be considered if the classifier chooses not to apply the bridging principle or sufficient data had not been available to apply the bridging principle;
- (d) As illustrated using the figure below, the substantially similar mixtures bridging principle can be applied because:
  - (i) The concentration of ingredient B (i.e., ingredient 1 in both mixtures) is essentially the same in both mixtures



- (ii) Ingredient B is a sensitizer and ingredients A (i.e., ingredients 2(a), 3, 4, 5) in mixture (i) and C (i.e., ingredients 2(b), 3, 4, 5) in mixture (ii) are not sensitizers
- (iii) Ingredients A and C are not expected to affect the sensitizing properties of ingredient B.
- (iv) Since product 1 was already not classified based on test data, then product 6 is also not classified based on the test data.

(Ref.Doc: ST/SG/AC.10/C.4/2010/15 as amended by INF.40(20<sup>th</sup> session), annex 2)