



9.5. Exposure scenario 5: Service life (consumers) - Service life of treated articles

Market sector: Treatment of surfaces

Environment contributing scenario(s):		
CS 1	Service life of treated articles	ERC 10a, ERC 11a
Consumer contributing scenario(s):		
CS 2	Service life of treated articles	AC 7

Exposure scenario(s) of the uses leading to the inclusion of the substance into the article(s):

ES4: Use at industrial sites - Use in metal surface treatment

Further description of the use:

After metal surface treatment the treated articles are not expected to contain tetraamminepalladium dichloride since the substance is transformed to palladium metal during deposition on the article.

Explanation on the approach taken for the ES:

The treated articles contain palladium in metallic form with > 99.9% purity (analysed via gravimetric analysis), as a result the articles don't contain residual tetraamminepalladium dichloride in concentrations above those triggering classification.

Palladium metal (EC 231-115-6) is registered in the > 10 T/y tonnage band and does not meet the criteria to be classified as a hazardous substance hence no further exposure assessment is required.