

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

Market sector: Electroplating and surface treatment

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

Further description of the use:

After metal surface treatment the treated articles are not expected to contain potassium dicyanoaurate since the substance is transformed to gold metal during deposition on the article.

Explanation on the approach taken for the ES:

The treated articles contain gold in metallic form with > 99.9% purity, as a result the articles don't contain residual potassium dicyanoaurate in concentrations above those triggering classification.

Gold metal (EC 231-165-9) 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.