



Uses descriptors – Silver iodide

EC n° 232-038-0, CAS n° 7783-96-2

Version February 2023

Article service life (1)

IW-1	<p>Processing of silver containing films and photopapers at industrial sites:</p> <p><u>Further description of the use:</u> Silver (in the form of halides) is contained in photographic articles, such as films, plates and papers. During the photographic processing silver does dissolve from the film emulsion layer into the bleach or fixing or bleach/fixing solution (usually in the form of silver thiosulfate).</p> <p>The majority of silver containing photographic articles (films, plates, photopapers, etc...) are processed in fully enclosed automatic machines, called e.g. “minilabs”, “dip and dunk machines”, or “(wholesale) photofinishing machines”. Few so called “table-top paper processors” are still in use and this use is rapidly decreasing. Operators do only have direct contact with the photographic article when the article is either dry and not yet processed, or dry after being processed. There is very limited contact with the uses liquid photochemicals.</p> <p>Exposure to silver containing liquids is only possible during occasional cleaning and maintenance operations. The instruction manuals prescribe that personal protective (gloves and safety glasses) need to be worn during such operations. This includes work on the opened, non-operating machine, such as removal of paper jams, changing waste containers or cleaning. The latter is only conducted a couple of times per year.</p> <p>Article used by: workers Substance intended to be released from article: no Article category related to subsequent service life (AC): AC 0: Other: TARIC Codes 3704 (Photographic plates, film, paper, paperboard and textiles, exposed but not developed) and 3705 (Photographic plates and film, exposed and developed, other than cinematographic film))</p> <p>Contributing activity/technique for the environment: - Processing of silver containing films and photopapers at industrial sites (ERC12a)</p> <p>Contributing activity/technique for the workers: - Automatic processing in closed tanks including Cleaning and maintenance (PROC 21)</p> <p>Technical function of the substance: photochemical use registered according to REACH Article 10; total tonnage manufactured/imported <10 tonnes/year per registrant</p> <p>Tonnage of substance for that use: <10 tonnes/year</p>
------	--