

Aluminium silicate (Kaolin)

DOCUMENT L-CA, Section 8

ECOTOXICOLOGICAL STUDIES ON THE ACTIVE SUBSTANCE

Legislation
EU Regulation 1107/2009

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Version history

Date	Data points containing amendments or additions and brief description	Document identifier and version number
28/02/2019	Revision following RMS comments	LCA-S8- V2
28/02/2018	Initial applicant's dossier	LCA-S8- V1

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CA 8 ECOTOXICOLOGICAL STUDIES ON THE ACTIVE SUBSTANCE

References that were included in the original Inclusion dossier are presented in grey.

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner
KCA 8.1.1.3/01	Owen, O.J., Nodu, M.B., Dike, U.A., Ideozu, H.M.	2012	The effects of dietary kaolin (clay) as feed additive on the growth performance of broiler chickens GLP not reported Published; Greener Journal of Agricultural Sciences Vol. 2(6): 233-236	Y	N	Not relevant	Public literature
KCA 8.2.1/01	Goldes, S.A., Ferguson, H.W., Moccia, R.D. and Daoust, P.Y.	1988	Histological effects of the inert suspended clay kaolin on the gills of juvenile rainbow trout, <i>Salmo gairdneri</i> GLP not reported Published; Journal of Fish Diseases (1988), volume 11 pages 23-33	Y	N	Not relevant	Public literature
KCA 8.2.1/02	McFarland, V.A., and Pedicord, R.K.	1980	Lethality of a suspended clay to a diverse selection of marine and estuarine macrofauna GLP not reported Published; Archives of Environmental Contamination and Toxicology (1980), volume 9, pages 733-741	Y	N	Not relevant	Public literature

KCA 8.2.1/03	Isono, R.S., Kita, J., and Setoguma, T.	1998	Acute effects of kaolinite suspension on eggs and larvae of some marine teleosts GLP not reported Published; Comparative Biochemistry and Physiology Part C (1998) volume 120, pages 449-455	Y	N	Not relevant	Public literature
KCA 8.2.1/04	Sherk J.A. Jr., O'Connor J.M., Neumann D.A., Prince R.D., and Wood K.V.,	1973	Effects of Suspended and Deposited Sediments on Estuarine Organisms, PHASE II GLP not reported Published; U.S. Department of Commerce, National Technical Information Service	Y	N	Not relevant	Public literature
KCA 8.2.2/01	Goldes, S.A., Ferguson, H.W., Moccia, R.D. and Daoust, P.Y.	1988	Histological effects of the inert suspended clay kaolin on the gills of juvenile rainbow trout, <i>Salmo gairdneri</i> GLP not reported Published; Journal of Fish Diseases (1988), volume 11 pages 23-33	Y	N	Not relevant	Public literature
KCA 8.2.2/02	Redding, J.M., Schreck, C.B., and Everest, F.	1987	Physiological Effects on Coho Salmon and Steelhead of Exposure to Suspended Solids GLP not reported Published; Transactions of the American Fisheries Society (1987), volume 116, pages: 737- 744	Y	N	Not relevant	Public literature
KCA 8.2.2.1/01	Hashimoto, Y., Yamaguchi, M., Itō, T., and Tōi, J.	1986	Effects of Kaolin on Hatching, Growth and Feeding Behaviour of Rainbow Trout, <i>Salmo gairdneri</i> GLP not reported Published; Bull. Tokai Reg. Fish. Res. Lab., (1986), volume 120 pages: 39 - 42	Y	N	Not relevant	Public literature

KCA 8.2.4.1/01	Robinson, S.E., Capper, N.A., and Klaine, S.J.	2009	The effects of continuous and pulsed exposures of suspended clay on the survival, growth and reproduction of <i>Daphnia magna</i> GLP not reported Published; Environmental Toxicology and Chemistry Vol 29 (1): 168-175	N	N	Not relevant	Public literature
KCA 8.2.4.2/01	McFarland, V.A., and Peddicord, R.K.	1980	Lethality of a suspended clay to a diverse selection of marine and estuarine macrofauna GLP not reported Published; Archives of Environmental Contamination and Toxicology (1980), volume 9, pages 733-741	N	N	Not relevant	Public literature
KCA 8.2.4.2/02	Gordon, A.K., Niedballa, J., and Palmer G.C.	2013	Sediment as a physical water quality stressor on macro-invertebrates: A contribution to the development of a water quality guideline for suspended solids GLP not reported WRC Report No. 2040/1/13	N	N	Not relevant	Public literature
KCA 8.2.7/01	Parkhill, K.L., and Gulliver, J.S	2002	Effect of inorganic sediment on whole-stream productivity GLP not reported Published; Hydrobiologia 472: 5-17	N	N	Not relevant	Public literature
KCA 8.3.1.1.1/01	Hoxter, K.A., Palmer, S.J., and Krueger, H.O.	1997	M-96-018 Kaolin: An Acute Dietary Toxicity Study with the Honey Bee Report no.: 469-102 GLP: Yes Unpublished	N	N	Data out of 10 year protection	Tessenderlo Group N.V.

KCA 8.3.1.1.2/01	Hoxter, K.A., Palmer, S.J., and Krueger, H.O.	1997	M-96-018 Kaolin: An Acute Contact Toxicity Study with the Honey Bee Report no.: 469-101 GLP: Yes Unpublished	N	N	Data out of 10 year protection	Tessenderlo Group N.V.
KCA 8.3.2/01	Puterka, G.J.	1997	Report on the Effect of M-96-018 Kaolin on Insect Predators Report no.: - GEP: No Unpublished	N	N	Data out of 10 year protection	Tessenderlo Group N.V.
KCA 8.3.2/02	Gharbi, N., and Abdallah, S.B.	2016	Laboratory evaluation of side-effects of kaolin on two predator species found on olive groves GLP not reported Published; Tunisian Journal of Plant Protection vol 11, no. 1: 83-90	N	N	Not relevant	Public literature
KCA 8.3.2/03	Bestete, L.R., Torres, J.B., Pereira, F.F.	2018	Harmonious interaction of kaolin and two insect predator species in plant protection GLP not reported Published; International Journal of Pest Management, 64 (2): 166-172	N	N	Not relevant	Public literature
KCA 8.8/01	Cary, G.A., McMahon, J.A., and Kuc W. J.	1987	The effect of suspended solids and naturally occurring dissolved organics in reducing the acute toxicities of cationic polyelectrolytes to aquatic organisms GLP not reported Published; Environmental Toxicology and Chemistry (1987), volume 6, pages 469-474	N	N	Not relevant	Public literature

KCA 8.8/02	Maki, W., and Bishop, W.E.	1979	Acute Toxicity Studies of Surfactants to <i>Daphnia magna</i> and <i>Daphnia pulex</i> GLP not reported Published; Archives of Environmental Contamination and Toxicology (1979), volume 8, pages 599-612	N	N	Not relevant	Public literature
KCA 8.8/03	Valenta, S., and Svobodova, Z.	1980	An Ichthyotoxicological Evaluation of Electrically Conductive Resins and Coating Mixtures used in the Paper Industry GLP not reported Published; Buletin VÚRH Vodňany (1980), volume 2	N	N	Not relevant	Public literature