

References

- 1- Sato T., M. Takeuchi, T. Itoh, M. Kawashima and T. Fujisawa, Tetrahedron Letters, 22, 1817 (1981).
- 2- Boxer S.E. and R.P. Linstead J. Chem. Soc. 740 (1931).
- 3- Corey E.G., J. Am. Chem. Soc. 74, 5897 (1952).
- 4- Corey E.G., J. Am. Chem. Soc. 75, 1163 (1953).
- 5- Ragoussis N. , Tetrahedron Lett. 28, 93 (1987).
- 6- Rao B.V.S.K., P. Vijayalakshmi and R.Subbarao, J. Am. Oil Chem. Soc. 70, 297 (1993).
- 7- Kumar S.H.M., B.V. S. Reddy, E. J. Reddy and J.S. Yadav, Tetrahedron Lett. 40, 2401 (1999).
- 8- Edwards C. L., Surfactant Sci. Ser. 72(Nonionic Surfactants): 87–121 (1998).
- 9- Santacesaria E., M. Di-Serio, and R. Garaffa, Ind. Eng.Chem. Res. 31, 2413 (1992).
- 10- Bhattacharyya D. N., S. Krishnan, R. Y. Kelkar, and S. V. Chikale, J. Am. Oil Chem. Soc. 61, 1925 (1984).
- 11- Rao T.C., S. Rama, R. Subbarao, and G. Lakshminarayana, J. Am. Oil Chem. Soc. 55, 774 (1978) ; C.A.: 89: 131488a (1978).
- 12- Moeller T., U. Eicken, H. Fischer, H. W. Wollenweber, W. Gress, C. Haut, U. Mahler, M. Grozinki and H.J. Sladek Ger. Offen DE 4,331,228(Cl.B01D 19/04), 16 Mar. 1995, Appl 1993; C.A.: 123: 147406d (1995).
- 13- Szelag H. and W. Zwierzykowski, Tenside deterg. 21,14 (1984); C.A.: 100: 123179f (1984).
- 14- Anthony J., J. O'Lenick, and K. Jeffrey, J. Surf. Deterg., 1, 529 (1998) ; C.A.: 130: 68178y (1999).
- 15- Stjerndahl M., K. Holmberg, J. Surf. Deterg., 6, 311 (2003).
- 16- Zhu Y., V. Molinier, S. Queste and J. M. Aubry, J. Coll. Interface Sci. 312, 397 (2007).

- 17- Eissa, A. M. F., A. A. Mahmoud, A. A. El- Sawy, *Grsas y Aceites*, 45(5), 306 (1994); C.A.: 123: 202929d (1995).
- 18- Ahmed M. H. M., *Grsas y Aceites*, 52, 285 (2001); C.A.: 137: 203038p (2002).
- 19- Chlebicki J. and K. Slipko, *Tenside deterg.* 17, 130 (1980); C.A.: 93: 116322f (1980).
- 20- Chlebicki J. and A. Zwiefka, *Tenside deterg.* 22, 117 (1985); C.A.: 103: 16050q (1985).
- 21- Chlebicki J. and A. Zwiefka, *Tenside deterg.* 27, 226 (1990); C.A.: 113: 174494f (1990).
- 22- El-Sukkary M. M. A., F. El-Dib, A.A. El-Sawy and S.H. El-Ashry, *Hungarian J. of Industrial Chemistry*, 14, 219 (1986).
- 23- El-Sawy A. A., A. A. Mohmoud, and N.O. Shaker, *J. Serb. Chem. Soc.*, 55(7), 395 (1990).
- 24- Yu H., Z. Meihua, *Hauxue Shijie* 44, 471 (2003), *Shanghaishi Hauxue Huagong Xuehui*; C.A.: 143: 369130m (2005).
- 25- Masayuki S., Hiroyuki T., Kotaro K. and Hirohide M., *Jpn. Kokai Tokkyo Koho JP 98,054* (2004), (Cl. B01F17/42), 2 Apr 2004, *Appl.* 2002/209,033, 18 Jul. 2002; 16 pp.; C.A.: 140: 305800k (2004).
- 26- Zhirong X., D. Yongtao, Y. Jinghua, K. Zhuo, X. Xiaodong, G. Ying, C. Giovanna, *J. of polymer science, Part B*, 43, 314 (2004); C.A.: 142: 318783y (2005).
- 27- Asadov Z. G., A. D. Aga-Zada, G. A. Akhamedova, A. M. Bagirova, *Azerbaidzhanskii Khimicheskii Zhurnal*, 1, 94, (2004), (Russ); C.A.: 142: 375580d (2005).
- 28- Yun-sheng F. Z. Xin, *Hauxue Yu Nianhe, Huaxue Yu Nianhe* 3, 121 (2003); C.A.: 140: 341137h (2004).

- 29- Ulrich S., K. Paul, T. Juergn, PCT Int. Appl. WO 105,285 (2005) (Cl. B01f17/00), 10 Nov. 2005, DE Appl. 1,004,021,434,30 Apr. 2004: 18 pp.; C.A.: 143: 462160f (2005).
- 30- Di Serio M., P. Iengo, G. Vairo, and E. Santacesaria, J. Surf. Deterg. 1, 83 (1998); C.A.: 129: 42598p (1998).
- 31- Polito A., C. Genova, F. Monterisi, A. Zatta and G. colloni, Comun. J. Com. Espanol de la Detergenica, 32, 251 (2002) (Eng); C.A.: 137: 142201n (2002).
- 32- Hashimoto Y., Jpn. Kokai Tokkyo Koho JP 47, 871 (2005), (Cl. C07C43/11), 24 Feb 2005, Appl. 2003/283, 206, 30 Jul. 2003; 19 pp.; C.A.: 142: 242736n (2005).
- 33- Christian M., B. Kai-Uwe, S. Martin and S. Michael, Ger. Offen. DE 20,243,365 (Cl. C11D1/72), 1 Apr 2004, Appl. 10, 243, 365, 18 Sep 2002; 8 pp.; C.A.: 140: 289225u (2004).
- 34- Hashimoto Y., Jpn. Kokai Tokkyo Koho JP 91, 686 (2004), (Cl. C11D1/722), 25 Mar 2004, Appl. 2002/256, 149, 30 Aug 2002; 24 pp.; C.A.: 140: 289232u (2004).
- 35- Bengt W., A. Eva and H. Krister, J. Am. Oil Chem. Soc. 66, 1107,(1989) ; C.A.: 111: 216322g (1989).
- 36- Abendroth P., E. Doering and H. Richter, (Buna A.-G.) Ger. (East) DD298,649 (Cl. C08C65/28), 5 Mar. 1992, Appl. 326, 745, 20 Mar 1989; 5pp.; C.A.: 117: 153251s (1992).
- 37- Brahom R., J. Szymanowski, W. Hrechezuch, and M. Egbert, J. Chem. Tech. Biotechnol, 61, 215 (1994); C.A.: 122: 12534c (1995).
- 38- Bennie D. T., Water Qual. Res. J. Can. 34,79 (1999).
- 39- Masahiro M. and H. Yusuke, Jpn. Kokai Tokkyo Koho JP 35,755 (2004), (Cl. C11D1/72), 5 Feb. 2004, Appl. 2002/195,789, 4 Jul 2002; 15 pp.; C.A.: 140: 148118z (2004).

- 40- Shigeru M., T. Takao, D. Hiroshi and S. Yasushi, Jpn. Kokai Tokkyo Koho JP 66,121 (2004), (Cl. B01F17/42)), 4 Mar. 2004, Appl. 2002/229, 791, 7 Aug 2002; 7 pp.; C.A.: 140: 219750n (2004).
- 41- Ursula M., PCT Int. Appl. WO 44,965 (2005), (Cl. C11D1/72), 19 May 2005, DE Appl. 10, 353, 310, 10 Nov 2003; 25 pp.; C.A.: 142: 465476d (2005).
- 42- Hama I., H. Sasamoto, and T. Okamoto, J. Am. Oil Chem. Soc. 74, 817 (1997); C.A.: 127: 247750h (1997).
- 43- Nakamura H., I. Hama, Y. Fujimari and Y. Nakamoto, Jpn. Kokai Tokkyo Koho JP 279,552 (1992), (Cl. C07C69/22), 5 Oct 1992, JP Appl. 1991/16,780, 18 Jan 1991; 4 pp.; C.A.: 118: 105341v (1993).
- 44- Hama I., T. Okamoto and H. Nakamura, J. Am. Oil Chem. Soc. 72, 781 (1995); C.A.: 123: 86620v (1995).
- 45- Hama I. , M. Sakaki and H. Sasamoto, J. Am. Oil Chem. Soc. 74, 823 (1997); C.A.: 127: 192181v (1997).
- 46- Takao M., W. Tsugio, U. Shingo, K. Masashi, M. Kotaro, Jpn. Kokai Tokkyo Koho JP 194,293 (2005), (Cl. C11D1/72), 21 Jul 2005, Appl. 2003/434, 834, 26 Dec 2003; 13 pp.; C.A.: 143: 155323c (2005).
- 47- Hreczuch W., B. Trathnigg, E. Dziwinski and K. Pyalski, J. Surf. Deterg.,4, 167 (2001)); C.A.: 135: 78558p (2001).
- 48- Cox M.F., Surfactant Sci. Ser. 98, 167 (2001); C.A.: 135: 319775q (2001).
- 49- Edwards C.L., Surfactant Sci. Ser. 72, 147 (1998); C.A.: 128: 129504h (1998).
- 50- Kamio K. , K. Kohro , S. Mima, T. Kuroda, H. Ookawara, M. Moriya and H. Hidaka, J. Am. Oil Chem. Soc. 72:805 (1995); C.A.: 123: 8661w (1995).
- 51- Santacesaria E., M. Diserio, R. Garaffa, and G. Addino, Ind. Eng. Chem. Res. 31, 2413 (1992).
- 52- Bartha B., L. Farkas, J. Morgos, P. Sallay, I. Rusznak and G. Veress, J. Am. Oil Chem. Soc. 58, 650 (1981).

- 53- Wisniewski M., Chem. Stosow., 32, 503 (1988) Pol. ; C.A.: 112: 161034k (1990).
- 54- Britta M.F., H. Krister, K. Eva Gottberg and B. Karin, J. Surf. Deterg., 4, 175 (2001); C.A.: 135: 78468j (2001).
- 55- Maeno K., T. Kobayashi, K. Ichikawa and H. Tadenuma, Jpn. Kokai Tokkyo Koho JP 183,693 (2003), (Cl. C11D1/52), 3 Jul 2003, Appl. 2001/379, 931, 13 Dec. 2001; 25 pp.; C.A.: 139: 84021t (2003).
- 56- Britta F., Surfactant Sci. Ser. 114, 241 (2003); C.A.: 140: 408638t (2004).
- 57- Migahed M.A., H.M. Mohamed, A.M. Al-Sabagh, Materials Chemistry and Physics 80, 169 (2003).
- 58- Fuji T., A. Shirochi and K. Usuba, Jpn. Kokai Tokkyo Koho JP 20, 740 (1997), (Cl. C07C233/18), 21 Jan. 1997, Appl. 1995/173,380, 10 Jul. 1995; 30 pp.; C.A.: 126: 187653a (1997).
- 59- Hiroyuki I., O. Yukiko and F. Akira, Jpn. Kokai Tokkyo Koho JP 100, 490 (1997), (Cl. C11D1/54), 15 Apr. 1997, Appl. 1995/258,461, Oct. 1995; 9 pp.; C.A.: 127: 19950x (1997).
- 60- M. Stjerndahl and K. Holmberg, J. Surf. Deterg., 8, 331 (2005).
- 61- Hashimoto S., Y. Saito, H. Sakai and M. Abd, J. Material Techn., 21, 13 (2003); C.A.: 139: 135219n (2003).
- 62- Hashimoto S., Y. Saito, H. Sakai and M. Abd, J. Material Techn., 20, 255 (2002); C.A.: 138: 124232q (2003).
- 63- Carlos M., Enrique S. and P. Joaquin, Topics in Catalysis, 27,105 (2004) ; C.A.: 140: 408646u (2004).
- 64- Yasuhiro Y. and S. Hidenori, Jpn. Kokai Tokkyo Koho JP 2004 346, 136 (2004), (Cl. C11D1/722), 9 Dec. 2004, Appl. 2003/142,558, 20 May 2003; 11 pp.; C.A.: 142: 24943m (2005).
- 65- Chlebicki J. and P. Majtyka, J. Coll. Interface Sci. 220, 57 (1999).

- 66- Kulkarni A. S., R.R. Khotpal, S. D. Toliwal, N. Mahabaleswara and H. A. Bhakare, J. oil Techno. Assoc. Indian (1992), 24(3), 89; C.A.: 119: 273899x (1993).
- 67- Maithili I., G. D. Hayes and J. M. Harris, Langmuir, 17, 6816 (2001).
- 68- Maithili E. R., M. E. Diaz, M. Torriggiani, L.R. Cerro, J. M. Harris, S. E. Rogers, J. Eastoe, J. A. G. del Rio, D.G. Hayes, Colloids and Surfaces A: Physicochem. Eng. Aspects, 301, 394 (2007).
- 69- Casimir C. Akoh, and Lydia N. Mutua, Enzyme and Microbial Techn. 16, 115 (1994).
- 70- Giacometti J., C. Milin and N. Wolf, J. Chromatogr. A, 704, 535 (1995).
- 71- Ducret A. , A. Giroux, M. Trani and R. Lortie, J. Am. Oil Chem. Soc. 73, 109 (1996); C.A.: 124: 149246w (1996).
- 72- Sarney D. B. , M. J. Barnard, D. A. MacManus and E. N. Vulfson, J. Am. Oil Chem. Soc. 73, 1481 (1996); C.A.: 124: 343820u (1996).
- 73- Drummond C.J., D. Wells, Colloids and Surfaces 141, 131 (1998).
- 74- Corma A., S. Iborra, S. Miquel, and J. Primo, J. Catalysis 180, 218 (1998).
- 75- Liu X., L. Gong, M. Xin and J. Liu, J. Molecular Catalysis A, 147, 37 (1999).
- 76- Garofalakis G., B. S. Murray, and D. B. Sarneyy, J. Coll. Interface Sci. 229, 391 (2000).
- 77- Gui-yu Z., N. Yong-quan, Jingxi Huagong 20, 234 (2003), Jingxi Huagong Bianjibu; C.A.: 140: 130128t (2004).
- 78- Min-zheng P., Guangdong Gongye Daxue Xuebao, 20, 81 (2003); C.A.: 140: 341138j (2004).
- 79- Yuanfeng L., E.L. Wumanjiang and W. Bin, Riyong Huaxue Gongye 32,20 (2002), Qinggongyebu Kexue Jishu Qingbao Yanjiuso; C.A.: 140: 359320x (2004).
- 80- Guiyu Z., N. Yongquan, Huaxue Yanjiu Yu Yingyong 15, 581 (2003), Huaxue Yanjiu Yu Yingyong Bianjibu; C.A.: 143: 117158v (2005).

- 81- Xiao-dong Y., G. Jian-ning and W. Jin-tang, Jiangsu Huagong 23, 32 (2004), Jiangsusheng Huagong Xinxi Zhongxin; C.A.: 143: 448597b (2005).
- 82- Xiaoyan X., Z. Zhensheng, Guangdong Huagong 30, 14 (2003), Guangdongsheng Zhonghua Huagong Xinxi Zhongxin; C.A.: 143: 369123m (2005).
- 83- Yakimchuk O. D., A. A. Kotomin, M. B. Petel'skii and V.N. Naumov, Russ. J. App. Chem. 77, 2001 (2004) ; C.A.: 143: 268750h (2005).
- 84- Yun-Yang W., D. Yu-Min, W. Lian-Sheng, H. Kaic, C. Gong-Zhenc, Y. Jian-Hong, K. F. John, Colloids and Surfaces A: Physicochem. Eng. Aspects, 296 , 270 (2007).
- 85- Michael F. C. and U. Weerassoriya, J. Surf. Deterg., 3, 213 (2000).
- 86- Shingo Y., N. Masaki and T. Tokuji, J. Am. Oil Chem. Soc. 66, 1165 (1989).
- 87- Ono D., A. Masuyama, Y. Nakatsuji , M. Okahara, S. Yamamura and T. Takeda, , J. Am. Oil Chem. Soc. 70, 29 (1993).
- 88- Jiang Y., Z. Xu, J. Luan, P. Liu, W. Qiao and Z. Li, J. Surf. Deterg. 10, 131 (2007).
- 89- Herke R. and K. Rasheed, J. Am. Oil Chem. Soc. 69, 47 (1992).
- 90- Azira H., N. Assassi and A. Tazerouti, J. Surf. Deterg. 6, 55 (2003).
- 91- Assassi N., H. Azira and A. Tazerouti, J. Surf. Deterg. 9, 249 (2006).
- 92- Raney K. H. , Shpakoff P. G. and D. K. Passwater, J. Surf. Deterg. 1, 361 (1998).
- 93- Berger P. D. and C. H. Lee, J. Surf. Deterg. 5, 39 (2002).
- 94- Tan X., L. Zhang, S. Zhao, J. Yu and J. An, J. Surf. Deterg. 7, 135, (2004).
- 95- Lin W., G. Qingtao, W. Dongxian, Z. Sui, A. Jingyi and Y. Jiayong, Shiyou Huagong, 33, 104 (2004); C.A.: 140 : 392663j (2004).
- 96- Snoz S. V., V. F. Shilina, I. O. Yurechenko, Y. V. Gorin and V. M. Kovalov, Khimichna Promislovist Ukraini, 2, 12 (2004); C.A.: 142: 179282u (2005).

- 97- Yamaguchi J., A. Kanada, K. Horimoto, T. M. Oyama, K. Chikutei, Y. Nishimura, H. Yamamoto, S. Ishida, Y. Okano, Yasuo Oyama, *Environmental Toxicology and Pharmacology* 22, 234 (2006).
- 98- Wang X., F. Yan, Z. Li, L. Zhang, S. Zhao, J. Ana and J. Yu, *Colloids and Surfaces A: Physicochem. Eng. Aspects*, 302, 532 (2007).
- 99- Okano T., J. Tanabe, M. Fukuda and M. Tanaka, *J. Am. Oil Chem. Soc.* 69, 44, (1992).
- 100- Okano T., N. Egawa, M. Fujiwara and M. Fukuda, *J. Am. Oil Chem. Soc.* 73, 31 (1996).
- 101- Cohen L. and F. Trujillo, *J. Surf. Deterg.* 1, 335 (1998).
- 102- Cohen L., F. Soto and M. S. Luna, *J. Surf. Deterg.* 4, 147 (2001).
- 103- Seiji M., O. Kenji, I. Takeshi, I. Tsutomu and N. Hiroshi, *Jpn. Kokai Tokkyo Koho JP 187,598* (2005), (Cl. C11D1/28), 14 Jul. 2005, *Appl.* 2003/429,691, 25 Dec. 2003; 14 pp.; C.A.: 143: 117169z (2005).
- 104- Wang P., H. Hui, *Jingxi Huagong*, 21,906 (2004), *Jingxi Huagong Bianjibu*; C.A.: 143: 328168m (2005).
- 105- Myers D., (*Surfactant Science and technology*). 3th ed., pp. 52-54 (2006).
- 106- Ahmed F. U., *J. Am. Oil Chem. Soc.* 67, 8 (1990).
- 107- El-Sawy A. A., S.A. Essawy, M. M. El-Sukkary and A.M.F. Eissa, *Hungarian J. Inds. Chem.*, 20, 25 (1992).
- 108- Karuna M. S. L., J. R. C. Reddy, B. V. S. K. Rao and R. B. N. Prasad, *J. Surf. Deterg.* 8, 271 (2005).
- 109- Murphy A. and G. Taggart, *Colloids and Surfaces A: Physicochem. Eng. Aspects*, 180, 295 (2001).
- 110- Piaseck A. and A. Mayhew, *J. Surf. Deterg.*, 3, 59 (2000).
- 111- Ahmed M.H.M., W.I.A. El-DougDoug and P. Sallay, *Olaj. Szappan. Kozmeyika*, 51,77 (2002).
- 112- Fernandez A., C. Scorzza, A. Usubillaga and J. Salager, *J. Surf. Deterg.*, 8, 187 (2005).

- 113-El-DougDoug W.I.A. and E.H. El-Mossalamy, *Applied Surface Science* 253, 2487 (2006).
- 114-Rosen M. J. and D. J. Tracy, *J. Surf. Deterg.*, 1, 547 (1998).
- 115-Menger F. M., J. S. Keiper, B. N. A. Mbadugha, K. L. Caran and L. S. Romsted, *Langmuir*, 16, 9095 (2000).
- 116-Zhu Y., A. Masuyama and M.Okahara, *J. Am. Oil Chem. Soc.*, 68, 268 (1991).
- 117-Menger F. M. and C. A. Littau, *J. Am. Oil Chem. Soc.*, 113, 1451 (1991).
- 118-Devínsky F., I. Lacko, F. Bittererová and L. Tomecková, *J. Coll. Interface Sci.*, 114, 314 (1986).
- 119-Zana R., M. Benrraou and R. Rueff, *Langmuir*, 7, 1072 (1991).
- 120-Rosen M. J. and L. Liu, *J. Am. Oil Chem. Soc.*, 73, 885 (1996).
- 121-Menger F. M. , J. S. Keiper and V. Azov, *Langmuir*, 16, 2062 (2000).
- 122-Gerald P.A.F., M. W. Carr, T. W. Davey, A. K. Serelis, C. H. Such and G. G. Warr, *J. Coll. Interface Sci.* 275, 649 (2004).
- 123-Paddon-Jones G., S. Regismond, K. Kwetkat and R. Zana, *J. Coll. Interface Sci.* 243, 496 (2001).
- 124-Zhou T., H. Yang, X. Xu, X. Wang, J. Wang and G. Dongb, *Colloids and Surfaces A: Physicochem. Eng. Aspects*, 317, 339 (2008).
- 125-Castro M. J. L., J. Kovensky and A. F. Cirell, *Tetrahedron Lett.*, 38, 3995 (1997).
- 126-Castro M. J. L., J. Kovensky and A. F. Cirelli, *Tetrahedron* 55, 12711(1999).
- 127-Castro M. J. L., J. Kovensky, and A. F. Cirelli, *Langmuir*, 18, 2477 (2002).
- 128-Castro M.J. L., A. F. Cirelli and J. Kovensky , *J. Surf. Deterg.*, 9, 279 (2006).
- 129-Gao C., A. Millqvist-Fureby, M. J. Whitcombe and E. N. Vulfson, *J. Surfactants Deterg.* 2, 293 (1999).
- 130-Pestman J. M., K. R. Terpstra, M. C. A. Stuart, H. A. Doren, A. Brisson, R. M. Kellogg and J. B. F. N. Engberts, *Langmuir*, 13, 6857 (1997).
- 131-Menger F. M. and B. N. A. Mbadugha, *J. Am. Chem. Soc.*, 123, 875 (2001).

- 132-Fielden M.L., C.Perrin, A.Kremer, M.Bergsma, M. Stuart, P.Camilleri and J.B. F. N. Engberts, *Eur. J. Biochem.* 268, 1269 (2001).
- 133-Wagenaar A. and J. B. F. N. Engberts, *Tetrahedron* 63, 10622 (2007).
- 134-Wilk K. A. , L. Syper, B. Burczyk , A. Sokolowski and B. W. Doma-galska, *J. Surf. Deterg.*, 3, 185 (2000).
- 135-Wilk K. A., L. Syper, B. W. Domagalska, U. Komorek, I. Maliszewska and R. Gancarz, *J. Surf. Deterg.*, 5, 235 (2002).
- 136-Komorek U. and K. A. Wilk, *J. Coll. Interface Sci.* 271, 206 (2004).
- 137-Sakai K., S. Umezawa, M. Tamura, Y. Takamatsu, K. Tsuchiya, K.Torigoe, T. Ohkubo, T. Yoshimura, K. Esumi, H. Sakai, M. Abe, *J. Coll. Interface Sci.* 318, 440 (2008).
- 138-Krishnan R. S. G., S. Thennarasu and A. B. Mandal, *J. Phys. Chem. B*, 108, 8806 (2004).
- 139-Alami E. and K. Holmberg, *Adv. Coll. Interface Sci.* 100,13 (2003).
- 140-Alami E. and K. Holmberg, *J. Coll. Interface Sci.* 239, 230 (2001).
- 141-Zhu Y., A. Masuyama, Y. Kobata, Y. Nakatsuji, M. Okahara and M. Rosen, , *J. Coll. Interface Sci.* 158, 40 (1993).
- 142-Jaeger D. A. and E. L. G. Brown, *Langmuir*, 12, 1976 (1996).
- 143-Ono D., S. Yamamura, M. Nakamura, T. Takeda , A. Masuyama and Y. Nakatsuji, *J. Am. Oil Chem. Soc.* 72:853 (1995).
- 144-Dix L. R., *J. Coll. Interface Sci.* 238, 447 (2001).
- 145-Dix L. R., R. Gilblas, *J. Coll. Interface Sci.* 296, 762 (2006).
- 146-Gautam A., N. Kamboa, S.K. Upadhyay, R.P. Singh, *Colloids and Surfaces A: Physicochem. Eng. Aspects*, 312, 195 (2008).
- 147-Yoshimura T. and K. Esumi, *J. Coll. Interface Sci.* 276, 231 (2004).
- 148-Tsubone K., Y. Arakaw and M. J. Rosen, *J. Coll. Interface Sci.* 262, 516 (2003).
- 149-Tsubone K., T. Ogawa, and K. Mimura, *J. Surf. Deterg.* 6, 39 (2003).

- 150-Acharya D. P., J. M. Gutiérrez, K. Aramaki, K. Aratani and H. Kunieda, J. Coll. Interface Sci. 291, 236 (2005).
- 151-Yoshimura T., N. Kimura, E. Onitsuka, H. Shosenji and K. Esumi, J. Surf. Deterg., 7, 67 (2004).
- 152-Zhu Y. P., A. Masuyama, Y.I. Kirito, and M. Okahara, J. Am. Oil Chem. Soc. 68, 539 (1991).
- 153-Renouf P., D. Hebrault, J. Desmurs, J. Mercier, C. Mioskowski, L. Lebeau, Chemistry and Physics of Lipids 99, 21 (1999).
- 154-Ben-Moshe M., S. Magdassi, Colloids and Surfaces A: Physicochem. Eng. Aspects, 250, 403 (2004).
- 155-Magdassi S., M. Ben-Moshe, Y. Talmon and D. Danino, Colloids and Surfaces A: Physicochem. Eng. Aspects, 212, 1 (2003).
- 156-Magdassi S., M. Ben-Moshe, Langmuir 19, 939 (2003).
- 157-Zaijun L., Y. Rui, L. Zhongyun and Y. Fushan, J. Surfactants Deterg. 8, 337 (2005).
- 158-Du X., Y. Lua, L. Li, J. Wang and Z. Yang, Colloids and Surfaces A: Physicochem. Eng. Aspects, 290, 132 (2006).
- 159-Zhu S., F. Cheng, J. Wang and J. Yu, Colloids and Surfaces A: Physicochem. Eng. Aspects, 281, 35 (2006).
- 160-Yang J., Y. Ding, G. Chen and C. Li, European Polymer Journal 43, 3337 (2007).
- 161-Wang Y., Y. Han, X. Huang, M. Cao and Y. Wang, J. Coll. Interface Sci. 319, 534 (2008).
- 162-Zhu Y.P., A. Masuyama, and M. Okahara, J. Am. Oil Chem. Soc. 67, 459 (1990).
- 163-Zhu Y. , A. Masuyama , Y. Kirito, M. Okahara and M. J. Rosen, J. Am. Oil Chem. Soc. 69, 626 (1992)
- 164-Murguia M.C., M. I. Cabrera, J. F. Guastavino, and R. J. Grau, Colloids and Surfaces A: Physicochem. Eng. Aspects, 262, 1 (2005).

- 165-Renouf P., C. Mioskowski and L. Lebeau, *Tetrahedron Lett.* 39, 1357 (1998).
- 166-Alami E., K. Holmberg and J. Eastoe, *J. Coll. Interface Sci.* 247, 447 (2002).
- 167-Fukazaws S. and T. Mashama, *Jpn. Kokai Tokkyo Koho JP 345,694* (1992), (Cl. C11D7/26), 01 Dec 1992, *Appl.* 1991/146,719, 27 May 1991; 4 pp.; C.A.: 119: 51806a (1993).
- 168-Bolzoni G., *PCT Int. Appl. Wo* 12,294 (1998) (Cl. C11D3/37), 26 Mar. 1998, *GB Appl.* 96/19,682,20 Sep 1996, 25 pp.; C.A.: 128: 23187r (1998).
- 169-Behler A., W. Seipel and H. Kublik, *PCT Int. Appl. WO* 97,022 (2002) (Cl. C11D3/20), 5 Dec. 2002, *DE Appl.* 2001/129,196,30 May 2001, 20 pp.; C.A.: 138: 14876v (2003).
- 170-Hafkamp R., H. Johannes and R. Menting, *PCT Int. Appl. WO* 31,548 (2003) (Cl. C11D1/83), 17 Apr. 2003, *GB Appl.* 2001/24,308,10 Oct. 2001, 24 pp.; C.A.: 138: 305834h (2003).
- 171-Berthod A., S. Tomer and J. G. Dorsey, *Talanta* 55, 69 (2001).
- 172-Iwabuchi H., H Horie, H. Masui and T. Takahashi, *Jpn. Kokai Tokkyo Koho JP 63,884* (2000), (Cl. C11D17/74), 29 Feb. 2000, *Appl.* 1998/238,066, 25 Aug. 1998; 5 pp.; C.A.: 132: 182359y (2000).
- 173-Jakubiki G. J., G. D. Riska, A. J. Uray and G. Nguyen, *Eur. Pat. Appl. EP* 809,608 (Cl. C11D1/83), 21 Oct. 1992, *US Appl.* 685,118, 15 Apr. 1991; 13 pp.; C.A.: 118: 61953q (1993).
- 174-Maeno K., T. Kobayashi, K. Ichikawa and H. Tadenuma, *Jpn. Kokai Tokkyo Koho JP 183,693* (2003), (Cl. C11D1/52), 03 Jul. 2003, *Appl.* 2001/379,931, 13 Dec. 2001; 25 pp.; C.A.: 139: 84021t (2003).
- 175-Hees U., E. Kiewert and A. Behler: (Henkel KGAA) *Ger. Offen. DE* 4,326,112 (Cl. C11D3/22), 09 Feb. 1995, *Appl.* 04 Aug. 1993; 8 pp.; C.A.: 123: 59702s (1995).
- 176-Imasu T. *Jpn. Kokai Tokkyo Koho JP 262,186* (2001), (Cl. C11D3/22), 26 Sep. 2001, *Appl.* 2000/71,469 15 Mar. 2000; 4 pp.; C.A.: 135: 258882y (2001).

- 177-Christopher B., M. G. Sheila, S. Samantha and T. N. Fletcher, PCT Int. Appl. WO 104,149 (2004) (Cl. C11D1/72), 02 Dec. 2004, GB Appl. 2003/11,700, 21 May. 2003, 36 pp.; C.A.: 142: 24930e (2005).
- 178-Foster N.C., SOFW journal 130(6), 24,26, 2004; C.A.: 143: 2268748p (2005).
- 179-Sonoz, S.V., V. F. Shilina, I. O. Yurchenko, Y. V. Gorin and V. M. Kovalov, Khimichna Promislovist Ukraini, 2,12, 2004; C.A.: 142: 179282u (2005).
- 180- Huiqin C., L. Guangzhi, C. Jiabin, H. Peihui, Y. Zhenyu and Z. Yu, Faming Zhuanli Shenqing Gongkai Shuomingshu CN 1,486,976 (Cl. C07c303/32), 07 Apr. 2004, Appl. 2,002,144,084 30 Sep. 2002; 14 pp.; C.A.: 142: 394167r (2005).
- 181-John S. J. and M. J. Ann, PCT Int. Appl. WO 63,848 (2005) (Cl. C08G65/333), 14 Jul. 2005, US Appl. 2003/PV531,387 19 Dec. 2003, 264 pp.; C.A.: 143: 117202e (2005).
- 182- Jiayong Y., J. Zhiqiang and W. Hanhui, Faming Zhuanli Shenqing Gongkai Shuomingshu CN 1,470,316 (Cl. B01F17/00), 28 Jan. 2004, Appl. 2,002,125,307 24 Jul. 2002; 11 pp.; C.A.: 142: 299868m (2005).
- 183-Ansari A.A. and S.M. Osman, J. Am. Oil Chem. Soc. 53, 118 (1976).
- 184-Gu X.P., I. Ikeda and M. Okahara, Synthesis 649 (1985).
- 185-Mhaskar S.Y. and G. Lakshminarayana, J. Am. Oil Chem. Soc. 69, 643 (1992).
- 186-ASTM Method, D, 1639-90 (Reapproved, 1996).
- 187-Eissa A.M.F., Grasas Y Aceites, 58,379 (2007).
- 188-El-Sawy A.A., F. El-Dib and H.M. Fadel, J. Kolorisztikai Ertesito 3,42 (1989).
- 189-Findly A., (Practical Physical Chemistry Longman, London, 6th, Ed. 1040) (1963).
- 190-Wang Z., J. Xu, W. Zhang, B. Zhuang and H. Qi, Colloids and Surfaces B: Biointerfaces, 61, 118 (2008).

- 191-Milton J. and Rosein (Surfactants and Interfacial Phenomena) 3rd Ed., John Wiley and Sons, INC.; Publication, USA, p. 287 (2004).
- 192-Draves C. Z. and R.Clarkso., J. Am. Dye Stuff Reporter., 20, 201,(1931).
- 193-Ross J. and Milles, G. D., Oil Soap., 18, 99 (1941).
- 194-Takeshi H., Bull. Chem. Soc., 43, 2236(1970).
- 195-Wang Z., F. Zhao and D. Li, Colloids and Surfaces A: Physicochem. Eng. Aspects, 216, 207 (2003).
- 196-Ahmed M. H. M., Olaj, Szppan, Kosmetika, 53, 1 (2004).
- 197-Amin M. S., Eissa A. M. F., Shaaban A. F., El-sawy A. A. and El-sayed R., Olaj, Szppan, Kosmetika, 53, 3 (2004).
- 198-Scorzzaa C., P. Godéb, P. Martinb, M. Miñana-Pérez, J.L. Salager, P. Villab, and G. Goethalsb, . Surfactants Deterg. 5, 331 (2002).
- 199-El-Sukkary M. A., A.A. El-Sawy and F. El-Dib, Hungarian J. of Industrial Chemistry, 15,317 (1987).
- 200-Chlebicki J., Tenside deterg. 27, 413 (1990).
- 201-Perez M. M., A. Graciaa, J. Lachaise and J. Salager, Colloids and Surfaces A: Physicochem. Eng. Aspects, 100, 217 (1995).
- 202-Takasawa Y, Hueno M, Megure K J Colloid Interface Sci 78, 207(1980).
- 203-Rosen M., "SURFACTANTS AND INTERFACIAL PHENOMENA". 3rd ED. John Wiley & Sons, INC., Publication, 267 (2004).
- 204-Kim T.S., T. Kida, Y. Nakatsuji, T. Hirao, and I. Ikeda, J. Am. Oil Chem. Soc. 73, 907 (1996).
- 205-Zana R., Langmuir 12, 1208 (1996).
- 206-Moulik S.P., Curr. Sci. 71, 368 (1996).
- 207-Osman M.M., R.A. El-Ghazawy and A.M. Al-Sabagh, Mat. Chem. Phys. 80, 55 (2003).
- 208-Negm N. A. and A. S. Mohamed, J. Surfactants Deterg. 7, 23 (2004).
- 209-Negm N. A., Egypt J Chem 45, 483, (2002).

- 210-El-Ghazawy R.A., Colloids and Surfaces A: Physicochem. Eng. Aspects, 260, 1 (2005).
- 211-Elachouri M., M.S. Hajji, M. Salem, S. Kertit, J. Aride, R. Coudert, E. Essassi, Corrosion 52, 103, (1996).
- 212-Negm N. A., J. Surfactants Deterg. 10, 71 (2007).
- 213-Sugihara G., A.A. Nakamura, H.T. Nakashima, Y.-I. Araki, T. Okano and M. Gujiwara, Colloid Polym. Sci. 275, 790 (1997).