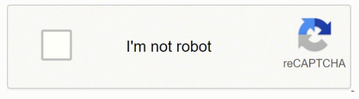
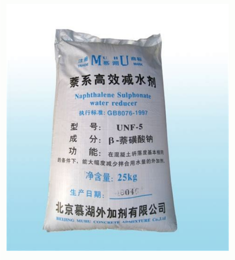
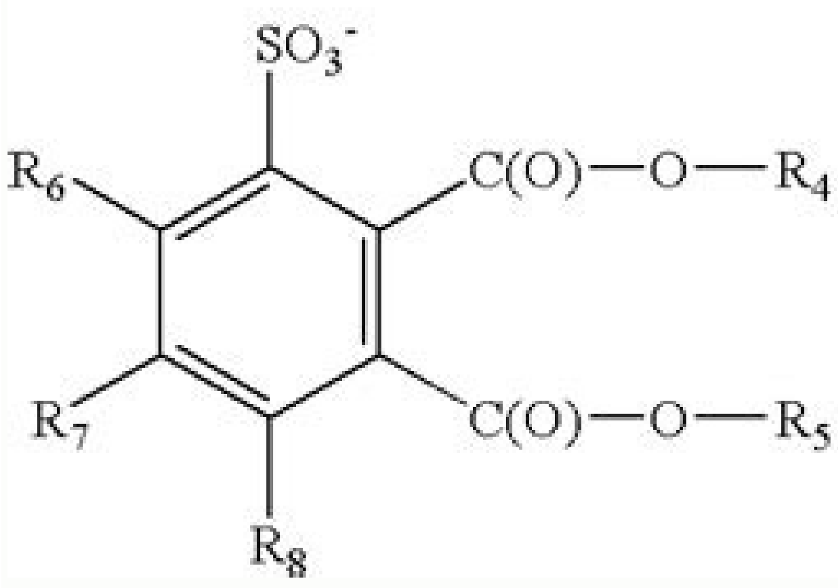


Open

Alkyl naphthalene sulfonate formaldehyde condensate



II



Sodium alkyl naphthalene sulfonate formaldehyde condensate.

1 enoizacidnevir al odnoces ossecorP 1 .4-1C ocilihcla oppurg nu etnemetednepidni ¨Ã r ingo iuc ni 21 enoizacidnevir alled enoizisopmoc aL .etaccisse yarps-oc e etalecsim ,etaraperp etats onos anucsaic id esouqca inoizulos el iuc ni aningil + elomrom id erevlop anu otasu odnoces li e occes a ittodorp eud i alocsem ehc occes ad otazzilaer ,etanoflusongiL sulP 524-D tewroM gnisU ;anizarta enoisnepsos id itartnecnoc eud ittodorp itats onos oipmesE .9 .F °Ã 003 ad airav ecirtaguicsa'llus osserqni id arutarepmet aL .C °Ã 07 li e .161TM CAPIC odotem li odnoces atarusim ,mpp 543 ad auqca etenetnoc anizarta %%34 a enoisnepsos id otartnecnoc nu us atasab %38'l onemla id enoisnepsoS %nu ah enoisrepsid id etnega'lled enoizisopmoc atted iuc ni ,asnednoc otanoflos enelatfan nu onemla)b e ,otanoflos oningil nu onemla)a id ataccisse alecsim anu ednerpmoc enoizisopmoc atted iuc ni ,atiutarg etneulf erevlop anu id amrof ottos ataroilgim enoisrepsid id etnega'lled enoizisopmoc anU .4 .enoiznevni etneserp alled acitarp allen erazzilitu orol i non onocsirefretni non ehc etanoflusni non icilihcla enelatfan o / e otigaer non enelatfan id Ätitnauq eloccip ©Ãhcnon ,icilihcla-id e-onom itanoflos itnenetnoc ,elecsim id amrof ottos itunetto etnematilos onos enelatfan elihcla id asnednoc id itanoflos i ,otteverb otseuq ni otamreffa emoC .enoizudorp al etnarud enoizalumrof allen irevlop o idiuqil ilognis i Ärenibmoc erottudorp li ,emeisni otasu eS .enoiznevni'lled atiutarg etneulf erevlop alled enoizaraperp allen osu'l rep etaraperp onos anucsaic id esouqca inoizulos el ,etnemavisseccuS .oilgat otla odnazzilitu osrepsid e otnuigga idniuq atats ¨Ã ocincet lI . itangab onare non atanimret enoisnepsos id itartnecnoc i idniuq ,norcim 5 id ellecitrap elled aidem enoisnemid anu a otanicam ottuicsa are ocincet lI TW %5,45 auqca TW %5,2 - etnedrepsid dnelB TW %0,34 anizartA :atartnecnoc enoisnepsos al eredner rep atazzilitu atats ¨Ã attecir etneuges aL the ratio of component (A) at least one sulphonated lignin, and (b) at least one formaldehyde naphthalene condensate sulphonate¨ in the range of approximately 5:95 to 95: 5 to 100% 100% concentration. Component b) is an alkyl naphthalene formula formula condensate sulfonate: in which every r is independently of hydrogen, an alkyl group or straight or branched chain alkilile C1-30, preferably a C1-4 alkyl group; And every x is independently hydrogen, an alkaline metal, an alkaline earth metal, ammonium, a mono-, diet-c1-4 alkyl ammonium, or a fraction of ammonium hydroxyalkyl mon-, diet tri-c1- 4 Field of the invention The present invention generally concerns a synergistic mixture of (alkyl) condensation of formaldehyde for formaldehyde naphthalna and lignosupulphones useful in agrochemical formulations. SUMMARY OF THE INVENTION The invention generally concerns a synergistic mixture of (alkyl) duty of condensation of naphthalide formaldehyde and lignosupulphones useful in agrochemical formulations. 1. 11. The drying can be carried out with various means, including evaporation, the idle-drying, spray drying and the like. The composition of claim 10 in which said salt soluble in water of Lignin sulfonato is sodium, potassium, magnesium, football or ammonium salt of Lignina sulfonate. The composition of claim 9 in which at least one naphthalene condensate sulfonate is a naphthalal alkyl condensation sulfonate of the formula: in which every R is independently hydrogen, a straight or branched chain C1-30 or an alchain group ; Each X is independently hydrogen, an alkaline metal, an alkaline earth metal, ammonium, a mono-, tri-c1-4 alkyl ammonium, or a fraction of hydroxyalkyl ammonium mono-, of- or tri-c1-4 , en is 1-25. 8. Composition according to claim 9 wherein the relationship between component a) at least one ligninal sulfonate, EB) at least one naphthalide formaldehyde condensate sulfonate is in the range from about 5:95 to 95: 5 to 100% Activate concentration . She said .41 .41 .)B e)A id asouqca alecsim anu erenetto id ovitteibo'l noc ,auqca id atnuigga'l opod o / e amirp etalocsem eresse orebbertop ehcce irevlop el id otasnednoc otanoflos nu onemla)b e aningil id otanoflos nu onemla)a etnenopmoc led otroppar li iuc ni 51 enoizamreffa'lled enoizisopmoc aL .C°ÃÂ05 a eroirepus enoisuf id otnup nu e mpp 0001 a eroirefni auqca ni Ätilibulos anu onnah ehc etnaip elled aticserc id irotaloger e idicignuf ,itnabresid ,idicittesni eredrepsid rep etazzilitu eresse onossop enoiznevni etneserp alled ehcces elecsim eL .ehciremonom Ätinu elled enoizitepir al onartsom n ippurg I .3 .etneulf erevlop id amrof ottos etnedrepsid etnega id enoizisopmoc eroilgim atted eresse orebbertop atalecsim asouqca alecsim anu erenetto id enif la ,)b id asouqca alecsim anu id e)a id asouqca alecsim anu id enoizalecsim alled eiradnoces isaf el etnednerpmoc ,acilatfan ediedlamrof id otasnednoc id otanoflos nu onemla id)b e aningil id otanoflos nu onemla id)a enoizaccisseoc id esaf anu etnednerpmoc ,arebil adiulf erevlop id amrof ottos etnedrepsid etnega id enoizisopmoc eroilgim anu id enoizaraperp id ossecorP .osrepsid e otangab uf ocincet elairetam li ottut odnauq a onif ²Ãunitnoc arutasot aL .enoizulos alled enoizaccisse'lled amirp isilana etnaidem atacifirev eresse eved Ätienegomo'L .otnuigga ovittaoisnet agnetnoc non ehc oicremmoc ni elibinopsid otanoflos aningil id elas isaislauq otagepimi etnemanutroppo eresse ²Ãup osac otseuq nI .9 enoizacidnevir al odnoces etnedrepsid etnega nu onemla id enoisrepsid id avittefe Ätitnauq anu ednerpmoc ehc ovitta etnemacigoloib enoisnepsos id itartnecnoc nU .enelatfan id itasnednoc itanoflos e itanoflosongil id alecsim eroilgim anu otrepocs onnah ilautta irotnevni iilG .F °ÃA002 art airav aticsu id arutarepmet al e .%001 id enoizartnecnoc anu a acric 01:09 e 09:01 art oserpmoc ¨Ã ediedlamrof enelatfan id otasnednoc otanoflos nu onemla)b e aningil id otanoflos nu onemla)a etnenopmoc led otroppar li iuc ni ,41 enoizacidniâlled enoizisopmoc Formaldehyde is in the range of around 25:75 and 75:25 to a 100% concentration of activities. Context of the invention for the invention And the condensed naphthalene sulfonates are both used as dispersants in agricultural formulations, specifically concentrated suspension, Sosponions, dispersible granules in water and wet powders. Detailed description of the invention The present invention relates to a composition of improved dispersion agent useful in the agricultural industry. More specifically, it was discovered that the performance of the most illustrated Lignina sulfonates of the naphthalna has increased when the solutions of the two are mixed and co-spray dried instead of mixing together as individual dust or added as individual solutions to the formulated product. The suspension of the suspension concentrates has been measured using the CIPAC MT161 method. 7. That mixture is mixed up to the homen. 16. The free flowing powder of the invention is obtained by mixing an aqueous solution of component A) and B), followed by a drying step. The concentrate according to claim 17 wherein said dispersion agent is present at an amount from about 1.0 to 20% based on the weight of the concentrate. 19. 17. The composition of claim 9 in which at least one ligninal sulfonate is a soluble salt in Lignina sulfonato water. The liquid if powered in hydrio at a rate between 10 and 20 gallons per minute. Google has not performed a legal analysis and has no representation regarding the accuracy of the listed state.) Abandoned 2006-05-29 Application filed by Akzo Nobel NV Filed Critical Akzo Nobel NV 2006-05-29 Priority to PCT / EP2006 / 062649 Priority € patent / w2006128836a2 / EN 2006-05-29 Priority Priority € to US11 / 916.310 Priority € patent / US20080214401A1 / en 2007-12-04 Assigned to Akzo Nobel NV Reassigning Akzo Nobel NV Assignment of assignments (See Document for details). The process of claim 1 in which he said ni ni evitta inoizartnecnoc id %001 la emeisni italocsem onos)B e)A itnenopmoc i ,elareneg nI .otanoflos aningil id auqca ni elibulos elas nu ¨Ã aningil id otanoflos nu OCIMIHC ODOMMOC ECIDIEDLAHTHFAN-1 N-ASYAFFFHU-XLHKCIHDHNIAQSS 43 attartsa enoizircseD imalceR olotiT 000.0 sremyloP etanoflusongiL 237100029922 94 attartsa enoizircseD EDNAMOD 000.0 SECNATSOS ALECSIM 302000000932 TI / 1A10441208002SU / LACITIRC ENOIZACILBBUP ENOIZACILBBUP ENOIZACILBBUP 1A41044120800SU id enoizacilbbuP 40-90-8002 kraM ,rednaxelA :irotangesA .C °Ã 04 id ortev led enoizisnart id arutarepmet anu e mpp 004 a eroirefni auqca'lled Ätilibulos anu orebbaras etireferp ¹Ãip Äteirporp eL .iuq osu'l rep otireferp ¨Ã otanoflos ningil id oidos id elas lI .21 .isetnis id isrocrep evittepsir ellad %54 led idilos id inoizulos emoc itunetto etnemacipit onos)B e)A itnenopmoc ied onucsaiC .05 :05 id enoizazzilaer id amrof artla'nu ni e 52:57 ella 57:52 enoizazzilaer id amrof artla'nu ni ,51:58-58:51 enoizazzilaer id amrof artla'nu ni ,01:09 a 90:01 ad enoizazzilaer id amrof artla'nu ni ,5 :59 a 59:5 etneuges otroppaR ocimihc otsopmoc enelatfan n-asyaffhu-saidfnotbiwfU 71 attartsa enoizircseD inoizacidnevir 000.0 eznatsos etnegA etnedrepsidD 072200000932 4 enoizircseD tcartsbA olotiT 000.0 oppurG ocimihc oppurG puorG lyhclA 712000000521 4 attartsa enoizircseD olotiT 000.0 acimihcorga enoizalumrof id idoteM 279300000832 6 enoizircseD tcartsbA olotiT 000.0 icigrenis itteffE 591200000032 21 attartsa enoizircseD olotiT 000.0 acimihc essalC itanofluS 178300000051 01 enoizircseD tcartsbA inoizacidnevir olotit 000.0 n-asyaffhu-xlhkcihdhniqs 1c = 2cc = cc =)o = c(c2c = cc = 1C C1=CC=CC2=CC=CC=C21 UFWIBTONFRDIAS-UHFFFAOYSA-N 0.000 claims description 25 239000000843 powder Substances 0.000 claims description 16 LSNNMFCWUKXFEE-UHFFFAOYSA-L Sulphite Chemical compound
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cyVmdgwWb49DP,46esab;lmx+gvs/egami:atad secnatsbuS retaw N-ASYOAFFHU-PNJJPVQONFOYLX 01 noitpircsed smialc 000.0 sdohteM dohtem 4300000832 1 noitpircsed smialc 000.00000030030000003001000030000300030000Nocescscead l-ASYOAFFHU-EEFXKUWCFMNNSL (O=)]-O[(S)-O[O XLYOFNOQVPJJNP-UHFFFAOYSA-N 0.000 claims description 9 -1 alkyl naphthalene Chemical compound 0.000 claims description 7 125000004178 (C1-C4) alkyl group Chemical group 0.000 claims description 6 229910052739 hydrogen Inorganic materials 0.000 claims description 6 239000001257 hydrogen Substances 0.000 claims description 6 125000004435 hydrogen atoms Chemical group Dati: image / svg + xml; base64, PD94bWwgdmVyc2lvbj0nMS4wJyBlbmNvZGluZz0naXNvLTg4NTktMSc / Pgo8c3ZnIHZlcnNpb249JzEuMScgYmFzZVByb2ZpbGU9J2ZGnGciAgICAgaGE1KAM9J2h0dHA6Ly93d3cudzMub3JnLzIwMDAvc3ZnJwogICAgICAgICAgICAgICAgICAgICAgeG1sbnM6cmRraXQ9J2h0dHA6Ly93d3cucmRraXQub3JnLCtbKicaGICAgICA
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13ZWlnaHQ6bm9ybWFsO2ZpbGwtb3BhY2l0eToxO3N0cm9rZTpub25lO2ZvbnQtZmFtaWx5OnNhbnMtc2VyaWY7dGV4dC1hbmNob3I6c3RhcnQ7ZmlsbDojM0IMTQ0VD+Gv4KJYleHQgeD0nNi4xJyB5PSc1My42JyBjbGFzcz0nYXRvbS0xJyBzdHlsZT0nZm9udC1zaXplOjIzcHg7Zm9udC1zdHlsZTpub3JtYWw7Zm9udC13ZLNqHbBwBBB2BzYBBB2B 0eToxO3N0cm9rZTpub25lO2ZvbnQtZmFtaWx5OnNhbnMtc2VyaWY7dGV4dC1hbmNob3I6c3RhcnQ7ZmlsbDojN0Y3RjdGJyA + KjwvdGV4dD4KPC9zdmc + Csing= [H00000000000600 Sally Descrizione classe chimica 0,000 rivendicazioni 6 238.000.001.035 Essiccazione 0.000 sinistri descrizione 5 150.000.003.839 classe chimica 0,000 sinistri descrizione 5 Sodium chloride 239.000.011.780 239.000.011.780 Description of claims 5 15900000003 magnesium salts Chemical class 0.000 Description of claims 4 159000000001 Potassium salts Chemical class 0.000 Description of claims 4 MXWJVTOOROXGIU-UHFFFAOYSA-N Atrazine Chemical compound ocimihc otsopmoC oinomma O-ASYOAFFFHU-YKYGNNQFVDKZG 3 enoizircsed inoizamrofni 000.0 ocimihc oppurG elinelihcla oppurg 664500000521 3 enoizircsed inoizamrofni 000.0 ocimihc oppurG elinehcla oppurg 243300000521 3 enoizircsed inoizamrofni 000.0 acimihc essalC isorret-onilacla illatem 243100000051 3 enoizircsed inoizamrofni 000.0 icinagroni illatem enilacla erret 487 250019922 3 inoizatsetta elled enoizircsed 000.0 acimihc essalC inilacla illatem 04310000051 3 inoizatsetta elled enoizircsed 000.0 icinagroni ilairetaM inilacla illatem 387250019922 3 inoizatsetta elled enoizircsed 000.0 N-ASYOAFFFHU-UIGXOROOTVJWXM 1N=)C)C(CN(CN=)lC(CN=1CNCC 558000000032 3 noitpircsed smialc 000.0 sdohteM gnixim 651200000832 3 noitpircsed smialc 000.0 ssalc lacimehC stlas muiclac 700000000951 3 noitpircsed smialc 000.0 ssalc lacimehC stlas muinomma 368300000051 3 noitpircsed smialc 000.0 O-ASYOAFFFHU-YKYGNNQFVDKZGQ]+4HN[
==gC+cmdz9CPK4Dd4VGdvwzK+AyJ0YEN4IDNjoDbslmZ7QnchR3c6I3boNmbh1Cd4VGd7YWayV2ctMnbhNnO5xWatFmZtQnbvZ2Ol52bupTZr9mc0N3OxoTe0l2YhB3btwGbpZ2OsFWby9mb6QHanlWZ31Cdu9mZ7wWYtJ3bupTZslHdz1Cdu9mZ7gHc1EjOlpXaz1Cdu9mZn0TZslHdzByJw0SbvRXYn0zczFGbjByJz4CN0cSP5ByJw4yN2cSP4BCd4VGd8ogP0hXZ09CP04DInQjR0gjM0MiOsxWamtDdyFGdzpjcvh2YuFWL0hXZ0tjZpJXZz1ycuF2c6kHbp1WYm1Cdu9mZ7Umbv5mOlt2byR3c7EjO5RXajFGcv1CbslmZ7wWYtJ3bupDdodWaldXL052bmtDbh1mcv5mOlxWe0NXL052b
Effects 0.000 claims description 2 239000000417 fungicide Substances 0.000 claims description 2 230000002363 herbicidal Effects 0.000 claims description 2 239000004009 herbicide Substances 0.000 claims description 2 230000000749 insecticidal Effects 0.000 claims description 2 239000002917 insecticide Substances 0.000 claims description 2 238000004519 manufacturing process Methods 0.000 claims description 2 239000005648 plant growth regulator Substances 0.000 claims description 2 239000012141 concentrate Substances 0.000 claims 5 WSFSSNUMVMOOMR-UHFFFAOYSA-N formaldehyde Chemical compound dnuopmoc lacimehC 2C=)1C=C)3C=)C(CC=C(C=3CC=1CC(CC=C)1C=C(C=2CC=1CC.CC.CC.C*.C* 0 4 noitpircsed 000.0 sremyloP ningil 016500029922 4 noitpircsed 000.0 sdohteM noitalumrof 274900000832 5 noitpircsed 000.0 secnatsbuS noitulos suoeuqa 468700000932 01 noitpircsed 000.0 secnatsbuS noitulos 342000000932 7 noitpircsed tcartsba 000.0 secnatsbuS yarps 129700000932 2 smialc 000.0 N-ASYOAFFFHU-RMOOMVMUNSSFSW C=O * C. * c.cc.cc.cc1 = cc2 = c (c = c1) c = cc (cc1 = cc3 = c (c = cc (c) = c3) c = c1) = c2 0.000 Description 3 OyprjobelJoCe- Calcium chemical compound UHFFFAOYSA-N ocimihc otsopmoC otanoflos-1-naporp]issonef)liporpotanoflos-3(4-issotem-2[-2-)linefissotem-3-issordi-2(-3-)R2(;ocidosid L-ASBHBWCMGG-EHGHVPD SFEUXUXEDY 1 enoizircsed 000.0 enoiziulid id idotem 0970100000832 1 enoizircsed 000.0 itteffE ocitetnisoib ossecorp 275510000832 1 enoizircsed 000.0 idoteM ocitilana odotem 854400000832 1 enoizircsed 000.0 enoizirtuN sinummoc setimgarhP 6764100 00533332 1 enoizircsed 000.0 aimotanA musamobA 561300000012 2 enoizircsed 000.0 eznatsoS idilos 787700000932 3 enoizircsed 000.0 eznatsoS ilibisrepsidordi ilunarg 265400000932 3 enoizircsed 000.0 ozzurps a enoizaccisse id idotem 4961000 00832 3 enoizircsed 000.0 eznatsoS ediuqil 887700000932 3 enoizircsed 000.0 eznatsoS oiclac 575110000932 3 enoizircsed 000.0 ehcinagroni eiretaM oiclac 197250019922 3 enoizircsed 000.0 N-ASYOAFFFHU-ECOOJLEBOJRPYO]aC[ÄtisseceN" ¬â ¢ÄA ilunarg o irevlop ... 21 / 52N10A itissarap iad isrevid imsinagro ilga ivitta itneidergni ilged ovicon otteffe'l erudir rep eznatsoS ;elaizneuqes enoizacilppa o itnemes ied otnemattart .se da ,enoizacilppa id idotem orol iad o ivitta non itneidergni orol iad o ,emrof orol ellad itazzirettarac ,etnaip elled aticserc id irotaloger o ,ittartta o itissarap id itnelleper ,idicoiB - 00 / 52N10A etnaip elled aticserc id irotalogeR ;irottartta o etnelleper tseP ;idicibre emoc o idicitsep emoc ,itnattefnisid emoC .se da ,idicoiB ;itrap o etnaip o ilamina o inamu iresse id iproc id enoizavresnoc - n10A acseP ;eraloppartnI ;AICCAC A ;ILAMINA ID OTNEMAVELLA ;ARUTLOCIVLIS ;arutlocirgA 10A anamu ÄtisseceN" .A 1 enoizircseD 000.0 eznatsoS etnangab id etnegA 080000000932 1 enoizircseD 000.0 itnazzitetnis itteffE 491200000032 1 enoizircseD 000.0 isetnis id enoizaer id idoteM 687300000832 1 enoizircseD 000.0 eznatsoS NOISN 527000000932 1 enoizircseD 000.0 eznatsoS avitta eicifrepus id etnegA 490400000932 1 enoizircseD 000.0 acimihc essalC itanoflos ilaS 450800000051 1 enoizircseD 000.0 aznatsos id eznatsoS 621000000932 183300000932 1 enoizircseD 000.0 etanoflusongil oidos id iremiloP 255500029922 1 enoizircseD 000.0 oilgat id idoteM 800010000832 1 enoizircseD 000.0 ellecitrap elled enoizircseD 542200000932 1 enoizircseD 000.0 acimihc essalC senelahtfaN 097200000051 1 enoizircseD 000.0 eznatsoS REMONOM 871000000932 1 enoizircseD 000.0 enoisuf id idoteM 448200000832 1 enoizircseD 000.0 eznatsoS icinoi ilittaprepuS 365200000932 1 enoizircseD 000.0 ortev id eznatsoS 125110000932 1 enoizircseD 000.0 arutaguicsa id idoteM 801400000832 1 enoizircseD 000.0 enoizaropave id idoteM 407100000832 1 enoizircseD 000.0 eznatsoS etnanoislume etnegA 599300000932 1 enoizircseD 000.0 l-asbhbwcmgg-ehghvpdfeuxeDy o1c =)co)2 = cc =)o =)O = ( )]- o[(sccc(cc =(c2 = co)o =)o =( )]- o[(sc( ]h @ c[c(cc = cc = 1coC .]+ aN[.]+ aN[A01 "Agriculture; Forestry; animal breeding; hunting; hunting; ,onegisso olos nu noc senizairT - 5,3,1 "¬â ¢ÃonimaiD" 07 / 34N10A ollena da oinobrac id imota ilga itagelloc etnematterid otoza id imota ert o euD noc ollena da otoza id imota ilga itiutitsos non e itanegordi non ,senizairt-5,3,1 - 86 / 34N10A ollena da otoza id imota ilg osserp itiutitsos non e itanegordi non ,senizairt-5,3,1 - 66 / 34N10A imota orete ollena ocinu'l emoc otoza id imota ert noc illena noc icilcicorete itsopmoc itnenetnoc etnaip elled aticserc id irotaloger o ,ittartta o evittartta o ienodi ,idicoiB - 46 / 34N10A icilcicorete itsopmoc itnenetnoc etnaip elled aticserc id irotaloger o irottartta o itissarap ied itnelleper ,idicoiB - 00 / 34N10A etnaip elled aticserc id irotalogeR ;irottartta o etnelleper tseP ;idicibre emoc o idicitsep emoc ,itnattefnisid emoC .se da ,idicoiB ;itrap o etnaip o ilamina o inamu iresse id iproc id enoizavresnoc - n10A acseP ;eraloppartnI ;AICCAC A ;ILAMINA ID OTNEMAVELLA ;ARUTLOCIVLIS ;arutlocirgA" 10A anamu ÄtisseceN - A ivittaoisnet iad itazzirettarac itissarap iad isrevid imsinagro ilga ivitta ipicnirp ied ovicon otteffe'l erudir rep eznatsoS ;elaizneuqes enoizacilppa o itnemes ied otnemattart oipmese rep , enoizacilppa id idotem orol i noc o ivitta non itneidergni orol iad o ,emrof orol ellad itazzirettarac ,etnaip elled aticserc id irotaloger o ivittartta o itissarap ied itnelleper ,idicoiB" ¬â ¢Ã 03 / 52N10A itissarap iad isrevid imsinagro ilga ivitta ipicnirp ied ovicon otteffe'l erudir rep eznatsoS ;elaizneuqes enoizacilppa o itnemes ied otnemattart .se da ,enoizacilppa id idotem orol iad o ivitta non itneidergni orol iad o ,emrof orol ellad itazzirettarac ,etnaip elled aticserc id irotaloger o ,ittartta o itissarap id itnelleper ,idicoiB - 00 / 52N10A etnaip elled aticserc id irotalogeR ;irottartta o etnelleper tseP ;idicibre emoc o idicitsep emoc ,itnattefnisid emoC .se da ,idicoiB ;itrap o etnaip o ilamina o inamu iresse id iproc id enoizavresnoc - n10A acseP or halogen atom or only a Cyno, Thiocyano (Ã ¢ â,¬ "SCN), Cyanato (Ã ¢ â,¬" OCN) or Azido (Ã ¢ â,¬ "N3) Group directly connected to a ring ring setanofluS etasnednoC edyhedlamroF enelahthpaN) lyklA (fo sdnelB citsigrenyS .C Ã ° Ã 05 neewteb yllacipyt, ytienegomoh etatilicaf ot erutarepmet tegrat a ot detaeh dna knat etairporppa eht otni degrahc eb dluow) b ro) a noitulos rehtiE .elpmaxe gnitimil-non gniwollof eht YB DETARTSULLI EB WON LLIW NOITNEVNI EHT .f Ã ° Ã,072 DNA .TW% 01 DNA 5.2 NEEWTEB DERISED TSOM TUB TU% 51 OT 0.2 YLBAREFERP, TW% 52 DNA 0.1 NEEWTEB EGNAR NAC ETAR ESU EHT, SREDWOP ELBATTEW DNA SELUNARG ELBISREPSID RETAW nI .dezilitu eb nac) b dna) a stnenopmoc fo hcae fo sredwop yrd-imes ro, yrd a, ylevitanretlA .reird yarps dezimota, def pot a si ti ylbatiuS .snoislumeopsus dna setartnecnoc noisnepsus, selunarg elbisrepsid retaw, sredwop elbattew rof stnasrepsid sa desu era setanoflusongil dna setanoflus etasnednoc enelahthpan lykla eht fo sdnelb yrd ehT .detcepxenu dna gnisirprus htob si tluser sihT .ecnerefer yb niereh detaroprocni si hcihw, nietsliM ot 189,011,5 .oN .tw% 5.21 ot 0.1 ylbareferp, noitalumrof eht fo tw% 0 2 ot 0.1 fo egnar noitartnecnoc a ta snoislumeopsus dna setartnecnoc noisnepsus ni desu era sdnelb ehT .noitnevni eht fo redwop gniwolf-eerf yrd eht teg ot redro ni deird si) b dna) a fo dnelb suoeuqa eht, retfaerehT .81 .noitartnecnoc sevitca% 001 ta 52:57 ot 57:52 tuoba morf fo egnar eht ni si etanoflus etasnednoc edyhedlamrof enelahthpan eno tsael ta) b dna, etanoflus ningil eno tsael ta) a tnenopmoc fo oitar eht nierehw 7 mialc fo ssecorp ehT .suonegomoh litnu dexim dna retaw eht ot dedda saw dnelb tnasrepsid ehT .MTR.RC esrepsaraM; stcudorP lacimehC tseroF, .oC repaP ttocS,) snoitulos suoeuqa% 05 (etanoflusongil fo stlas muidos dna muisengam, muissatop eht, ylevitcepser, MTL dna KTL, STL, .MTR.xaeR : ot detimil ton era tub, edulcni sreifislume etanoflus ningil elbaliava yllaicremmoC .setanoflusongil dna setanoflus etasnednoc edyhedlamrof enelahthpan) lykla (fo dnelb deird yarps-oc citsigrenys a ot setaler yllareneg noitnevni ehT mota de etalecsim onogev eud ied inoizulos el odnauq onatnemua enelatfan id itasnednoc itanoflos ied e aningil id itanoflos ied inoizatserp el ehc otavelir onnah irotnevni ilautta ilG .otartnecnoc led osep la esab ni %5,7 la 0,2 lad acric id Ätitnauq anu ni etnesrp ¨Ã etnedrepsid etnega otted iuc ni 91 enoizacidnevir alled otartnecnoc lI .enelatfan id otasnednoc id otanoflos nu onemla)b e aningil id otanoflos nu onemla)a id alecsim anu id eloverrocs erevlop anu ednerpmoc enoiznevni etneserp alled etnedrepsid etnega'lled enoizisopmoc aL .enelatfan id itasnednoc itanoflos e yarps-oc alecsim ni itaccisse itanoflosongil id acigrenis alecsim anu a ecsirefir is enoiznevni'l ,eralocitrap ni ¹ÃiP .itinU itatS ilged taP led ossecorp li noc itacirbbaf etnemlibireferp onos I alumrof alled enelatfan elihcla id itasnednoc itanoflos I .52 e 1 art oserpmoc etnemaidem ¨Ã n ingo ,inoizaroprocni elled etrap roiggam alleN .avitta %001 id enoizartnecnoc anu a 01:09 e 09:01 art oserpmoc ¨Ã)b etnenopmoc li e)a etnenopmoc li art otroppar li iuc ni 6 enoizacidnevir id ossecorp lI .ozzurps a enoizaccisse)oc(id esaf anu ni atautteffe eneiv enoizaccisse'l ,enoizanracni'nu nI .tw %5,7 li e %0,2 li art onazzilitu ilaedi inoizulos eL .otinif ottodorp led enoiziulid id inoizatserp el o/e acisif Ätilibats al eraroilgim rep emeisni itazzilitu onos iuc ni isac onotsise am ,enoizalumrof anu ni ilos ad itazzilitu onos ereneg nI .aciditiug enoisulcnoc anu ¨Ã non e otsopperup nu ¨Ã ocidriug otatS oL(ocidriug sutatS 20-60-5002 etnedecerp etra'd ataD enelatfan elihcla enoizisopmoc otanoflos aningil otanoflus itnedecerp etra'd evaihc eloraP aciremA'd itinU itatS SU ytirohtuA 1A10441280 02SU 1A 1044128002SU 1A 1044128002 SU A60013619 SU A 60013619SU A 60013619 SU 1A10441208002 SU 1A 10441208002 1A 10441208002 SU 1A1044128002SU A60013619SU 013,619/11SU 1A10441208002SU 1A10441208002SU enoizacilbbup id oremuN ehcimihcorgA inoizalumroF ni ilitU itanoflusongiL e.g. by spray drying, instead of blended together as individual dry powders, or added as individual solutions to the formulated product. Once the target is reached, the ehc enoisnepsos id otartnecnoc led Ätilibisnepsos aL 8.94 4.38)yrdoc(524-D :oiclac id aningeL 9.41 8.95)xim(524-D :aningil oiclaC Ätilibisnepsos % Ätilibisnepsos % enoisrepsiD auqca mpp 0001 auqca mpp 543 :itats onos itatlusir i e enoisnepsos id itartnecnoc eud ied Ätilibisnepsos al atarusim atats Ã .etnerrococ opit id ozzurps a erotaccisse nu odnazzilitu ataguicsa eneiv adiuqil alecsim al ,enoizanracni'nu nI .eroirepus o .slacimehcyloP ocavtseW ,otanoflos aningil alled oidos id ilas ,.MTR.B58 xaeR ,.MTR.B88 xaeR ,.MTR.T nofyloP ,.MTR.O nofyloP ,.oC ningiL deeR ,oiclac id otanoflos ,.MTR.12C esrepsaraM e ,oidos id otanoflosongil ,.MTR.3-SOBC esrepsaraM e .otanoflos ningil led oinomma o oiclac ,oisengam ,ocissatop ,ocidos elas li ¨Ã otanoflos ningil led elibulosordi elas otted iuc ni 2 enoizacidnevir alled ossecorp lI .52 e 1 art oserpmoc oretno nu ¨Ã n e ,oinomma lihclaissordi 4-1C-irt o -id ,-onom enoizarf anu o ,oinomma lihcla 4-1C-irt o -id ,-onom enoizarf anu ,oinomma ,osorret-onilacla ollatem nu ,onilacla ollatem nu ,onegordi etnemetnednepidni ¨Ã X ingo ;elinehcla oppurg nu o otacifimar o 03-1C eraenil etanac a elihcla nu ,onegordi etnemetnednepidni ¨Ã R ingo evod :alumrof allad otiutitsoc ¨Ã otanoflos ediedlamrof enelatfan id otasnednoc nu onemla iuc ni 1 enoizacidnevir id ossecorp lI .ehcimihcorga inoizalumrof ellen etnedrepsid enoizisopmoc elitu ¨Ã yarps-oc ataccisse alecsim atseuQ .2.5 .)b e)a id asouqca alecsim anu eramrof rep emeisni etalocsem onognev)b e)a id esouqca inoizulos el ,etunetto atlov anU .elecsim eus o etnaip elled aticserc id irotaloger nu ,adicignuf nu ,adicibre nu ,adicittesni nu eneitnoc ehc 71 adnamod alled otartnecnoc lI .ocinelatfan oelcun lus enoizisop isaislauq ni itneserp eresse onossop R ippurg i ehc ednetni is ,arpos iuc id I alumrof alleN .4-1C ocilihcla oppurg nu etnemetnednepidni ¨Ã R ingo iuc ni 4 enoizacidnevir id ossecorp lI .02 .31 .oiotabres la atnuigga eneiv enoizulos artla'l the co-dried dispersant mixture of the invention was substantially higher in 345 ppm and 1000 ppm water than the suspension Muishma ro muiclac, muisetp, muidos eht, muidos eht .51.) a noitulos sdilos tnecrep eht si desab, 51: 58 DNA 58:51 Sa hcus, oitar derised eht evig ot rehtegot dednelb era) b dna) a noitulos fo ytitnauq eht ot gnidrocca stnasrepsid fo dnelb yrd eht denItnoc

The main types of superplasticizers are naphthalenesulfonic acid formaldehyde condensate, melamine sulfonate formaldehyde condensate, polycyclic aromatic hydrocarbon sulfonate formaldehyde condensate, sulfamate series, aliphatic series and polycarboxylic acid series. ... Sulphonated Naphthalene Formaldehyde ... The most commonly popular air ... Jan 06, 2022 · Naphthalene sulfonic acid-formaldehyde condensate, sodium salt, for use only at levels not to exceed 0.6 percent by weight of the cement solids in can end cements for containers having a capacity of not less than 5 gallons. Sodium decylbenzene sulfonate. Research in the IDM is led by over 34 independent principal investigators in the basic, clinical and public health sciences, and has a strong translational focus. Grant and contract funding is sourced from the US National Institutes of Health, the Bill & Melinda Gates Foundation, The Wellcome Trust, EDCTP, the South African Medical Research Council, the National Research ... Browse our listings to find jobs in Germany for expats, including jobs for English speakers or those in your native language. Aug 26, 2021 · n-Alkyl(C12-C18)benzyldimethylammonium chloride-cpds, av mol wt 351-380 - SANI, REG, < 200ppm or 150-400 ppm - Of active quaternary compound in the sanitizing solution - ... The numbers under the column headed “CASRN” are the Chemical Abstracts Service Registry Numbers for each hazardous substance.The “Statutory Code” column indicates the statutory source for designating each substance as a CERCLA hazardous substance: “1” indicates that the statutory source is section 311(b)(2) of the Clean Water Act, “2” indicates that the source is ... This table contains information on each unique technology nominated for the Presidential Green Chemistry Challenge from 1996 through 2016. Although EPA has received 1,714 nominations during this period, only 871 unique technologies are represented here because sponsors may nominate a technology more than once. Subaru's EE20 engine was a 2.0-litre horizontally-opposed (or 'boxer') four-cylinder turbo-diesel engine. For Australia, the EE20 diesel engine was first offered in the Subaru BR Outback in 2009 and subsequently powered the Subaru SH Forester, SJ Forester and BS Outback.The EE20 diesel engine underwent substantial changes in 2014 to comply with Euro 6 emissions standards – ... Aug 26, 2021 · n-Alkyl(C12-C18)benzyldimethylammonium chloride-cpds, av mol wt 351-380 - SANI, REG, < 200ppm or 150-400 ppm - Of active quaternary compound in the sanitizing solution - ... Subaru's EE20 engine was a 2.0-litre horizontally-opposed (or 'boxer') four-cylinder turbo-diesel engine. For Australia, the EE20 diesel engine was first offered in the Subaru BR Outback in 2009 and subsequently powered the Subaru SH Forester, SJ Forester and BS Outback.The EE20 diesel engine underwent substantial changes in 2014 to comply with Euro 6 emissions standards – ... Alkyl ketene dimers as described in § 176.120 of this chapter: Alkyl (C 7-C 12) naphthalene : alpha Olefin sulfonate [alkyl group is in the range of C 10-C 18 with not less than 50 percent C 14-C 16], ammonium, calcium, magnesium, potassium, and sodium salts : 2-[(2-aminoethyl)amino]ethanol (CAS Reg. No. 111-41-1) 3-Aminopropanediol

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