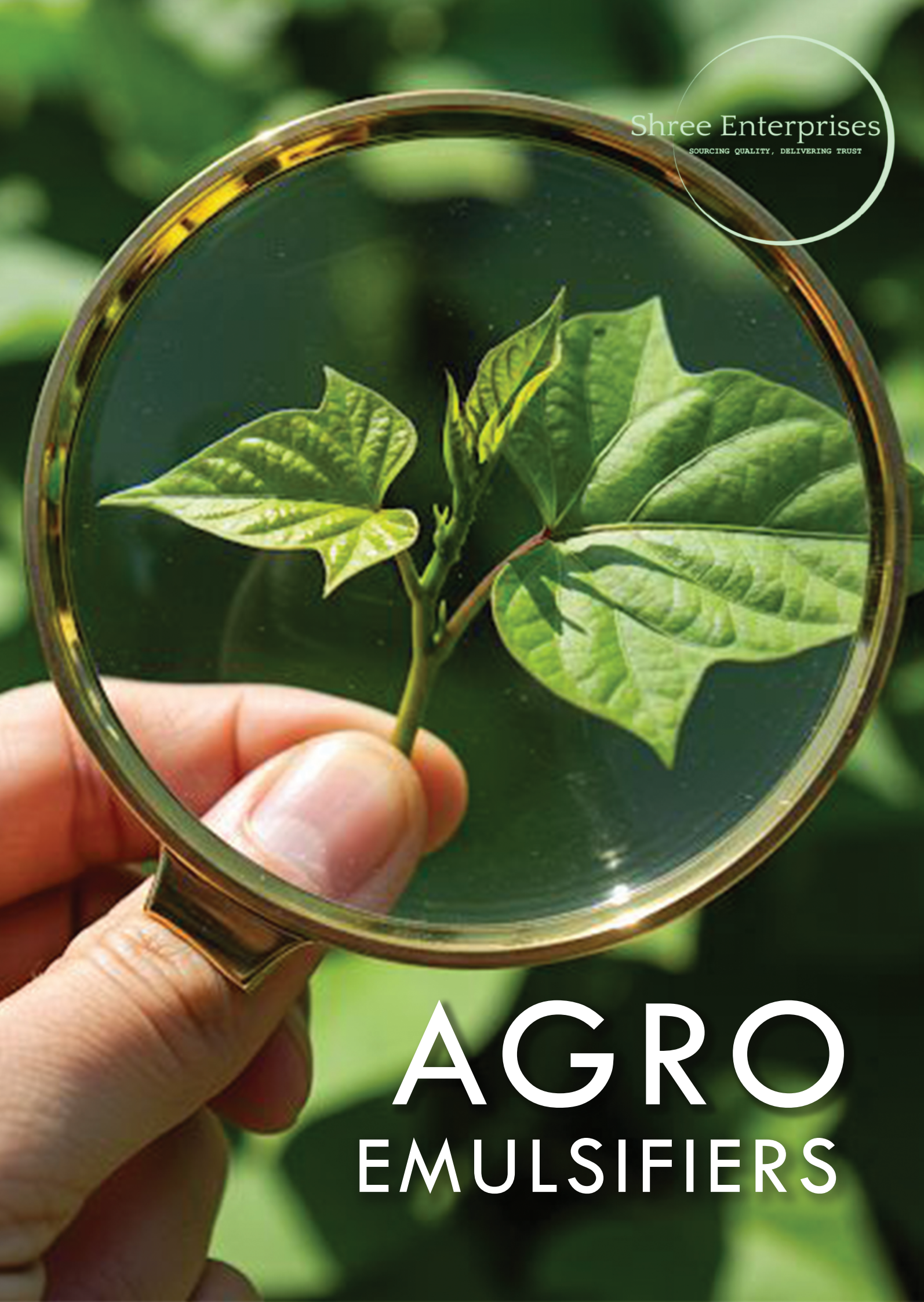




Shree Enterprises

SOURCING QUALITY, DELIVERING TRUST

AGRO EMULSIFIERS

SURFACTANTS FOR AGRO CHEMICALS

Unitox Series	For Emulsifiable Concentrates (EC)
Dispertox Series	For Wettable Powders (WP)
UNITOP SC Series	For Suspension Concentrates (SC)
Dispertox WG Series	For Water Dispersible Granules (WG)
UNITOP ME Series	For Microemulsions (ME)
UNITOX-AF Series	For Concentrated Emulsion (EW)
UNITOP-CS Series	For Aqueous Capsule Suspension (CS)
Adjuvants	
ZC Series	Combination of CS and SC series



SURFACTANTS FOR EMULSIFIABLE CONCENTRATES (EC)

ACTIVE INGREDIENT S(W/W)		UNITOX EMULSIFIERS				STABILIZER, SOLVENT & COSOLVENT
Cypermethrin	10	UNITOX-33(HX)	4	UNITOX-60(HX)	4	up to 100
Cypermethrin	25	UNITOX-33(HX)	2.8	UNITOX-60(HX)	5.2	up to 100
Alphacypermethrin	10	UNITOX-33(HX)	4	UNITOX-60(HX)	4	up to 100
Deltamethrin	2.8	UNITOX-33(HX)	3.2	UNITOX-60(HX)	3.8	up to 100
L-Cyhalothrin	5	UNITOX-33(HX)	3.2	UNITOX-60(HX)	3.8	up to 100
Carbosulphan	25	UNITOX-33(HX)	5	UNITOX-60(HX)	5	up to 100
Fenvalrate	20	UNITOX-33(HX)	2.8	UNITOX-60(HX)	3.2	up to 100
Chlorpyrifos	20	UNITOX-33(HX)	2	UNITOX-60(HX)	3	up to 100
Chlorpyrifos	40	UNITOX-33(HX)	2.4	UNITOX-99(HX)	5.6	up to 100
Chlorpyrifos-50% Cypermethrin-5%		UNITOX-33(HX)	2.4	UNITOX-99(HX)	5.6	up to 100
Chlorpyrifos	48	UNITOX-33(HX)	2.4	UNITOX-99(HX)	5.6	up to 100
Methyl chlorpyrifos	50	UNITOX-33(HX)	2.5	UNITOX-99(HX)	4.5	up to 100
Ethyl chlorpyrifos	24	UNITOX-33(HX)	5	UNITOX-60(HX)	5	up to 100
Pendimethalin	50	UNITOX-33(HX)	4	UNITOX-60(HX)	6	up to 100
Etofenprox	7.5	UNITOX-33(HX)	3.3	UNITOX-60(HX)	2.7	up to 100
BPMC	50	UNITOX-60(HX)	2	UNITOX-3A	6	up to 100
Oxadiazon	25	UNITOX-33(HX)	4.8	UNITOX-3A	3.2	up to 100
Diclofop methyl	28	UNITOX-33(HX)	6.5	UNITOX-PLN	3.5	up to 100
Propanil	36	UNITOX-PLA	16	UNITOX-PLN	4	up to 100
Propanil + butachlore	25	UNITOX-PLA	14	UNITOX-PLN	6	up to 100
Propanil + anilophos	50	UNITOX-PLA	13	UNITOX-PLN	7	up to 100
Propanil + benthioacar	50	UNITOX-PLA	14	UNITOX-PLN	6	up to 100
Abamectin	50	UNITOX-ABA	4	UNITOX-ABN	6	up to 100
Amirtraz	50	UNITOX-ABA	3	UNITOX-ABN	7	up to 100
Profenophos	50	UNITOX-PROFENO-X	6	UNITOX-PROFENO-Y	4	up to 100
Hexaconazole	5	UNITOX-RA	5	UNITOX-RN	5	up to 100
Dimethoate	30	UNITOX-DMTA	5	UNITOX-DMTN	5	up to 100
Malathion	57	UNITOX-MA	2.4	UNITOX-MN	3.6	up to 100
Malathion	83	UNITOX-MA	5.6	UNITOX-MN	2.4	up to 100
Dicofol	18.5	UNITOX-BMA	5	UNITOX-DFN	5	up to 100
Butachlore	50	UNITOX-BMA	2.5	UNITOX-BMN	2.5	up to 100
Propoxur	20	UNITOX-PRA	7.5	UNITOX-PRN	7.5	up to 100
Propiconazole	25	UNITOX-PROPICO-A(XD)	5	UNITOX-PROPICO-N(XD)	5	up to 100
Emamectin	1.9	UNITOX-ABA	2.5	UNITOX-ABN	7.5	up to 100
2,4 - D, 2-Ethyl Hexyl Ester	66	UNICAL-65 BR	3.15	UNITOP-BSU	3.85	up to 100
Novaluron	10	UNITOX-Nova-A	5	UNITOX-Nova-B	5	up to 100
Hexythiazox	5.45	UNITOX-33(ADV)	5	UNITOX-65(ADV)	5	up to 100
Lufenuron	10	UNITOX-BHA	2.5	UNITOX-BHN	7.5	up to 100
Haloxypyr-P-Methyl	10.8	UNITOX-BHA	2	UNITOX-BHN	8	up to 100
Pyriproxifen	10	UNITOX-BHA	3.5	UNITOX-BHN	6.5	up to 100
Abamectin	1.8	UNITOX-ABA	4.5	UNITOX-ABN	5.5	up to 100
Bifenthrin	10	UNITOX-33(ADV)	6	UNITOX-65(ADV)	4	up to 100
Fenpyroximate	5	UNITOX-33(ADV)	4.5	UNITOX-65(ADV)	5.5	up to 100
Propargite	57	UNITOX-PG-X	7.5	UNITOX-PG-Y	2.5	up to 100

ACTIVE INGREDIENT S(W/W)		UNITOX EMULSIFIERS				STABILIZER, SOLVENT & COSOLVENT
Difencanazole	25	UNITOX-Difen-X	5	UNITOX-Difen-Y	5	up to 100
Prosulfocarb	80	UNITOX-PSC-A	5	UNITOX-PSC-N	5	up to 100
Oxyfluorfen	24	UNITOX-GA	4.5	UNITOX-GN	5.5	up to 100
Quizalofop Ethyl	10	UNITOX-BHA	5	UNITOX-BHN	5	up to 100
Clodinofof Propargyl	8	UNITOX-CLP-X	2.5	UNITOX-CLP-Y	7.5	up to 100
Fipronil	2.92	UNITOX-ABA	6	UNITOX-ABN	6	up to 100
Profeno-40% + Cypermethrin-4%		UNITOX-Profeno-X	8.4	UNITOX-Profeno-Y	3.6	up to 100
Profenofos	50	UNITOX-Profeno-X	8.4	UNITOX-Profeno-Y	3.6	up to 100
Propiconazole-15% + Difencanazole-15%		UNITOPX-CMA	4.5	UNITOX-IFN	5.5	up to 100
Ethion-40% + Cypermethrin-5%		UNITOX-EA	3	UNITOX-EN	3	up to 100
Propargite-42% + Hexythiazox-2%		UNITOX-PG-X	3	UNITOX-PG-Y	7	up to 100
Pyriproxifen-10% + Bifenhrin-10%		UNITOX-BHA	3.5	UNITOX-BHN	6.5	up to 100
Pendimethalin-30% + Imizathapyr-2%		UNITOX-BHA	3.5	UNITOX-BHN	6.5	up to 100
Neem Oil		UNITOX-DMA (NE)	8			up to 100

Above mentioned compositions are general examples, specific formulations are available on request and can be carried out in confidential



SURFACTANTS FOR SUSPENSION CONCENTRATES (SC)

The general composition of SC formulation contains:

Active Ingredients	10 - 60 %
Wetting Agent	2 - 4 %
Dispersing Agents	2 - 5 %
Antifreeze	2 - 8 %
Antifoam, Stabiliser	1 - 5 %
Thickener	0 - 15 %
Preservative, Water	Up to 100%

ACTIVE INGREDIENTS(W/W)		WETTING AND DISPERSING AGENTS				Defoamer, Antifreezing Agent, Biocide, Viscosity Modifier and Water
Alphacypermethrin	5	UNITOP-SC-725	6			up to 100
Alphacypermethrin	10	UNITOP-SC-725	6			up to 100
Azoxystrobin	23	UNITOP-SC-725	6			up to 100
Atrazine	50	UNITOP-FL	3	UNITOP-SC-102	1	up to 100
Atrazine	50	UNITOP-SC-725	5	-	-	up to 100
Ametryn	50	UNITOP-SC-725	4	-	-	up to 100
Bispyribac Sodium (Surfactant Base)	10	UNITOP-ABP	50	UNITOP-EPB-60	30	up to 100
Bispyribac Sodium (Water base)	10	UNITOP-SC-1316	7	-	-	up to 100
Buprofenzin	25	UNITOP-SC-1316	2.5	DISPERTOX-BS(SPL)	1.5	up to 100
Buprofenzin	25	UNITOP-SC-725	2	-	-	up to 100
Carbendazim	50	UNITOP-FL	1	UNITOP-203	2	up to 100
Carbendazim	50	UNITOP-SC-725	2.5	-	-	up to 100
Chlorothalonil	50	UNITOP-FL	3	UNITOP-203	5	up to 100
Chlorantraniliprole	18.5	UNITOP-SC-725	5	-	-	up to 100
Diuron	50	UNITOP-FL	3	UNITOP-SC-102	1	up to 100
Diuron	80	UNITOP-FL	3	UNITOP-SC-102	1	up to 100
Deltamethrin	1	UNITOP-FL	3	UNITOP-203	5	up to 100
Deltamethrin	2.5	UNITOP-FL	3	UNITOP-203	5	up to 100
Deltamethrin	2.5	UNITOP-SC-725	5	-	-	up to 100
Deltamethrin	20	UNITOP-FL	3	UNITOP-203	5	up to 100
Fipronil	5	UNITOP-SC-101	4	DISPERTOX-SC-6122	3	up to 100
Hexaconazol	5	UNITOP-FL	3	UNITOP-203	5	up to 100
Hexaconazol	5	UNITOP-SC-725	2.5	-	-	up to 100
Imidacloprid	35.5	UNITOP-SC-1316	5	DISPERTOX-BS(SPL)	1	up to 100
Imidacloprid	35.5	UNITOP-SC-725	2.5	-	-	up to 100
Imidacloprid	48	UNITOP-SC-136	2.5	DISPERTOX-BS(SPL)	1.5	up to 100
Indoxacarb	14.5	UNITOP-SC-175	6	UNICAL-65 BR	6	up to 100
Isoproturon	50	UNITOP-FL	5	UNITOP-203	3	up to 100
Kresoxinmethyl	44.3	UNITOP-SC-4837	2.2	UNITOP-SC-101	3.3	up to 100
Mancozeb	40	DISPERTOX-SD	5	UNITOP-FL	1.5	up to 100
Permethrin	25	UNITOP-FL	3	UNITOP-203	5	up to 100
Thiram	50	UNITOP-FL	3			up to 100
Terbutyltiazine	50	UNITOP-FL	2.5	UNITOP-SC-102	5	up to 100
Terbutrine	50	UNITOP-FL	3	UNITOP-SC-102	1	up to 100
Tebuconazol	50	UNITOP-SC-1316	6			up to 100

ACTIVE INGREDIENTS(W/W)		WETTING AND DISPERSING AGENTS				Defoamer, Antifreezing Agent, Biocide, Viscosity Modifier and Water
Triclopid	26.5	UNITOP-FL	3	UNITOP-203	5	up to 100
Zirum	27	UNITOP-FL	3	UNITOP-203	5	up to 100
Azoxystrobin 12.5% + Tebuconazole 12.5%		UNITOP-SC-725	5		-	up to 100
Indoxacarb 14.5% + Acetam iprid 7.7% SC		UNITOP-SC-175	6	UNICAL-65 BR	6	up to 100
Tem botrione	34.4	UNITOP-SC-725	5	UNITOP-FLA	3	up to 100
Folpet	42	UNITOP-SC-1316	4	DISPERTOX-BS(SPL)	1	up to 100
Ethiprole	20	UNITOP-SC-725	5			up to 100
Bordeux	9.52	UNITOP-SC-725	4			up to 100
Fenpyroxim ate	5	UNITOP-SC-725	5			up to 100
Mesotrione	42	UNITOP-SC-725	4			up to 100
Metribuzin	42	UNITOP-SC-1316	3	DISPERTOX-BS(SPL)	1	up to 100
Novaluron-5.25% + Em m alectin 0.9%		UNITOP-SC-1316	5			up to 100
Spiromesifen	24	UNITOP-SC-725	5			up to 100
Abamectin	5	UNITOP-SC-725	5			up to 100
Azoxystrobin-20% + Difenoconazole 12.5%		UNITOP-SC-725	5			up to 100
Bifenthrin	10	UNITOP-SC-725	4			up to 100
Carbandazim-16% + Hexaconazole-4%		UNITOP-SC-725	5			up to 100
Diafenthiuron-47% + Bifenthrin-9.4%		UNITOP-SC-617	4			up to 100
Diiflubenzuron	20	UNITOP-SC-725	5			up to 100
Emmamedin-1.5% + Fipronil-3.5%		UNITOP-SC-1316	4	UNITOP-SC-101	1	up to 100
Emmamedin-1% + Lufenuron-2%		UNITOP-SC-1316	5			up to 100
Fipronil-4% + Acetam iprid-4%		UNITOP-SC-1316	7			up to 100
Thiamethoxam-3% + Lambda Cyhalothrin-1.5%		UNITOP-SC-725	5			up to 100
Paclobutrazole	25	UNITOP-SC-725	5			up to 100
Sulphur	40	UNITOP-SC-1316	3	DISPERTOX-BS(SPL)	2	up to 100
Sulphur	55	UNITOP-SC-617	6			up to 100
Zinc Oxide	50	UNITOP-SC-1316	5			up to 100



SURFACTANTS FOR WETTABLE POWDERS (WP)

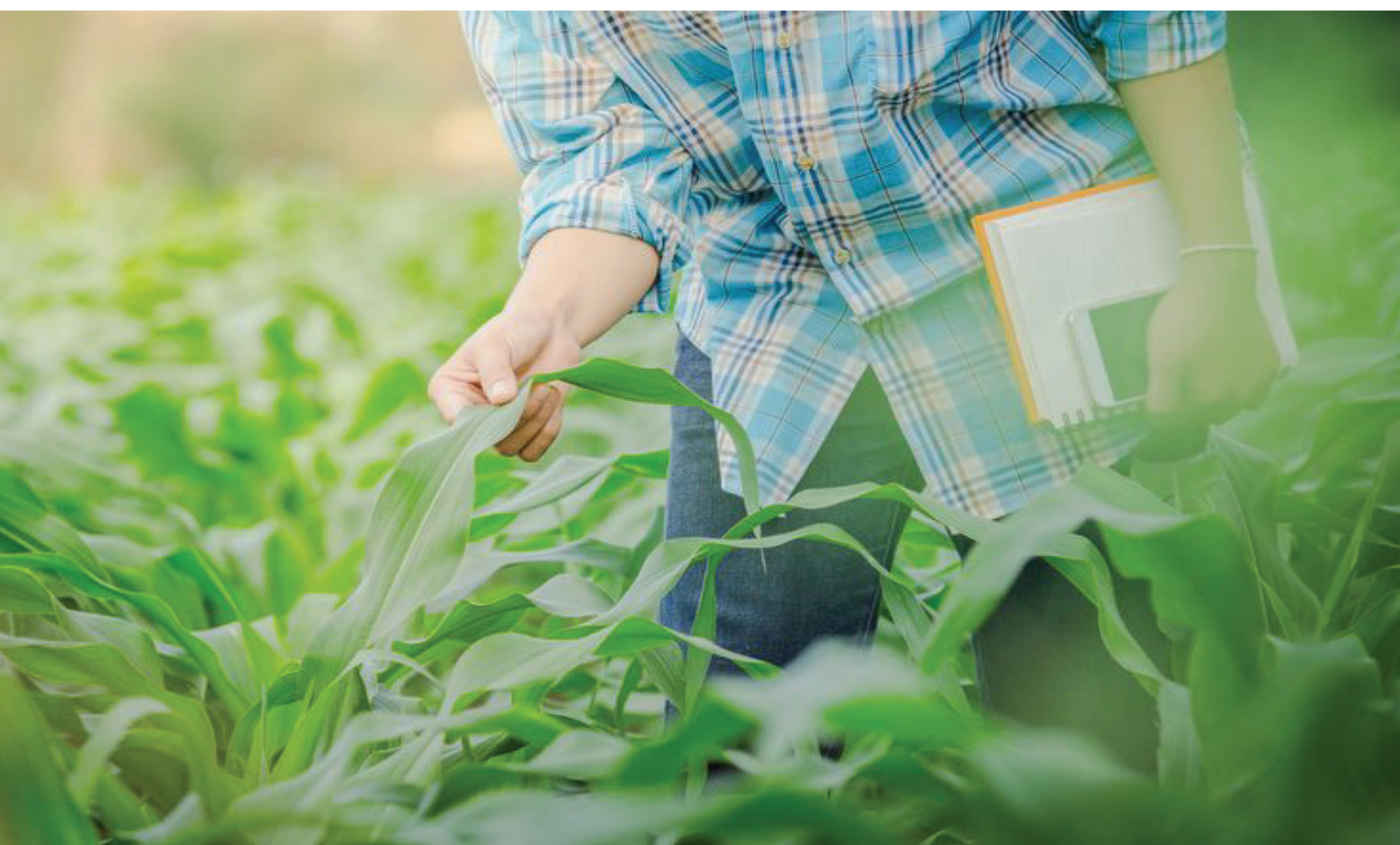
	Solid A.I.	Liquid A.I.
Active ingredient	10 - 90%	Up to 50%
Wetting agents	1 - 5%	1 - 5%
Dispersing agents	3 - 10%	3 - 10%
Antifoam, stabilizer, sticker etc.	0 - 5%	0 - 5%
stabilizer, sticker etc.	0 - 15%	Up to 40%
Fillers	Up to 100%	Up to 100%

ACTIVE INGREDIENTS(W/W)		WETTING AND DISPERSING AGENTS				DILUENTS, CARRIERS & ADJUVANTS
Atrazine	50	DISPERTOX-ANZ-6040	4.5	-	-	up to 100
Alphacypermethrin	5	DISPERTOX-ACZ	4	DISPERTOX-ANS-60	4	up to 100
Carbendazim	50	DISPERTOX-ACZ	3	DISPERTOX-ANS-60	2	up to 100
Chlorimuron	25	DISPERTOX-ACZ	5	DISPERTOX-BS(SPL)	3	up to 100
Captain	50	DISPERTOX-ACZ	3	DISPERTOX-ANS-60	2	up to 100
Clodinofof-propargyl	15	UNITOP-WP-45/R	36.5	DISPERTOX-TR-77	2	up to 100
Copper oxychloride	50	DISPERTOX-ANS-60	3	DISPERTOX-LS	2	up to 100
Deltamethrin	2.5	DISPERTOX-ANS-60	5	DISPERTOX-BS(SPL)	5	up to 100
Difenthiuron	50	DISPERTOX-DFR	12	-	-	up to 100
Diuron	80	DISPERTOX-ACZ	4	DISPERTOX-ANS-60	4	up to 100
Imidacloprid	70	DISPERTOX-ACZ	8	-	-	up to 100
Isoproturon	75	DISPERTOX-ACZ	2	-	-	up to 100
L-Cyhalothrin	10	DISPERTOX-LS	5	DISPERTOX-ANS-60	5	up to 100
Lenacil	80	DISPERTOX-DS-55	4	DISPERTOX-ACZ	6	up to 100
Malathion	50	DISPERTOX-ACZ	2	DISPERTOX-ANS-60	8	up to 100
Mancozeb	75	DISPERTOX-DS-55	5	DISPERTOX-ANS-60	2	up to 100
Matribuzin	70	DISPERTOX-ACZ	6	DISPERTOX-ANS-60	2	up to 100
Metalaxyl	35	DISPERTOX-BS(SPL)	7	DISPERTOX-ACZ	3	up to 100
Metamitron	70	DISPERTOX-ACZ	6	DISPERTOX-ANS-60	4	up to 100
Metsulfuran	50	DISPERTOX-BS(SPL)	3	DISPERTOX-ANS-60	1	up to 100
Myclobutanil	10	DISPERTOX-ACZ	4	DISPERTOX-BS(SPL) DISPERTOX-LS	1 3	up to 100
Sulphur	80	DISPERTOX-ANS-606	4	DISPERTOX-BS(SPL)	2	up to 100
Thiram	80	DISPERTOX-ACZ	3	DISPERTOX-ANS-60	2	up to 100
Thiophanate Methyl	70	DISPERTOX-ACZ	2	DISPERTOX-ANS-60	4	up to 100
Tricyclozole	75	DISPERTOX-ANS-60	5	DISPERTOX-BS(SPL)	5	up to 100
Carbendazim 12% + Mancozeb 63%		DISPERTOX-ACZ	4	DISPERTOX-BS(SPL) DISPERTOX-LS	6 2	up to 100
Dodine	65	DISPERTOX-DD-50	13			up to 100
Pyrazosulfuron Ethyl	10	DISPERTOX-ACZ	6			up to 100

SURFACTANTS FOR WATER DISPERSIBLE GRANULES (WDG/WG)

Active ingredient	30 – 90%
Dispersing/Binding agents	5 – 20%
Wetting agents	1 - 4%
Antifoam, stabilizer and buffer	0 – 4%
Fillers, disintegrating agents	Up to 100%

ACTIVE INGREDIENTS(W/W)		WETTING AND DISPERSING AGENTS				DILUENT, CARRIER & ADJUVANT
Atrazine	80	DISPERTOX-WG-800	5	DISPERTOX-WG-900	5	up to 100
Carbandezim	50	DISPERTOX-WG-800	7	DISPERTOX-WG-900	3	up to 100
Carbandezim	85	DISPERTOX-WG-800	5	DISPERTOX-WG-900	5	up to 100
Deltamethrin	25	DISPERTOX-WG-800	6	DISPERTOX-WG-900	6	up to 100
Glyphosate	71	UNITOP-CD-80	5	-	-	up to 100
Imidacloprid	70	DISPERTOX-LS	25	-	-	up to 100
Mancozeb	75	DISPERTOX-WG-800	5	-	-	up to 100
Sulphur	80	DISPERTOX-WG-800	5	-	-	up to 100
Sulfosulfuron	75	DISPERTOX-WG-800	5	-	-	up to 100
Tebuconazole	25	DISPERTOX-WG-800	7.5	DISPERTOX-WG-900	7.5	up to 100
Thiram	25	DISPERTOX-WG-800	6	DISPERTOX-WG-900	3	up to 100
Thiomethoxane	25	DISPERTOX-WG-800	8	DISPERTOX-WG-900	3	up to 100
Metribuzne	70	DISPERTOX-WG-800	6	DISPERTOX-LS	10	up to 100
Pymetrozine	50	DISPERTOX-WG-800	7	DISPERTOX-LS	5	up to 100
Bifenthrin	10	DISPERTOX-ACZ(SPL)	11	DISPERTOX-LS	3	up to 100
Hexaconazole	75	DISPERTOX-WG-800	10	DISPERTOX-LS	10	up to 100
Boscalid-26.7% + Pyraclostrobin-6.7%		DISPERTOX-WG-800	6	DISPERTOX-WG-900	6	up to 100
Emmamectin	5%	DISPERTOX-ACZ(SPL)	10	UNITOP-WH-550	2	up to 100
Dinotefuran	20	DISPERTOX-ACZ	3	DISPERTOX-BS(SPL)	2	up to 100



SURFACTANTS FOR EMULSION IN WATER (EW)

Composition of EW contains

Active ingredient	10 – 80 %
Emulsifiers	2 – 10 %
Antifreeze	0 – 8 %
Antifoam	1 – 2 %
Thickener	1 – 3 %
Biocides, stabilizer and buffer	0 – 2 %
Water	Up to 100 %

ACTIVE INGREDIENTS(W/W)		WETTING AND DISPERSING AGENTS				COSURFACTANT, SOLVENT and WATER
Triclopyr	7.5	UNITOP-FL	6	UNITOP-203	4	up to 100
Butachlore	50	UNITOP-FL	1.6	UNITOP-203	2.4	up to 100
Chlorpyrophos	20	UNITOX-AF-723	10	-	-	up to 100
Cypermethrin	5	UNITOX-AF-711	8	-	-	up to 100
Cypermethrin	10	UNITOX-AF-711	8	-	-	up to 100
Cypermethrin	25	UNITOX-AF-711	10	-	5	up to 100
Fenoxaprop	7	UNITOX-AF-711	8	-	-	up to 100
Tebuconazole	25	UNITOX-AF-715	10	-	-	up to 100
Pendimethalin	30	UNITOX-AF-711	7	-	-	up to 100
Pretilachlore	37	UNITOP-AF-711	8	-	-	up to 100
Nitrobenzene	20	UNITOP-FL	4	UNITOP-203	8	up to 100



SURFACTANTS FOR MICROEMULSIONS (ME)

Composition of ME contains	
Active ingredient	2 – 30 %
Emulsifiers	10 – 20 %
Antifreeze	0 – 8 %
Antifoam	0.5 – 1 %
Thickener	0.1 – 3 %
Biocides, stabilizer and buffer	0 – 0.2 %
Water	Up to 100 %

ACTIVE INGREDIENTS(W/W)		WETTING AND DISPERSING AGENTS				DILUENTS, CARRIERS & ADJUVANTS
Alphacypermethrin	2.5	UNITOX-ME-37	12	UNITOX-MEI-36	3	up to 100
Alphacypermethrin	5	UNITOX-ME-37	14.5	UNITOX-MEI-36	3.5	up to 100
Alphacypermethrin	10	UNITOX-ME-37	20	UNITOX-MEI-36	5	up to 100
Bifenthrin	2.5	UNITOX-ME-37	10.5	UNITOX-MEI-36	4.5	up to 100
Beta-Cyfluthrin	2.5	UNITOX-ME-37	10.5	UNITOX-MEI-36	4.5	up to 100
Chlorpyrifos	20	UNITOX-ME-37	2	UNITOX-MEI-31	18	up to 100
Cyfluthrin	5	UNITOX-ME-37	13.5	UNITOX-MEI-36	4.5	up to 100
Cypermethrin	5	UNITOX-ME-37	6	UNITOX-MEI-31	4	up to 100
Cypermethrin	10	UNITOX-ME-37	12	UNITOX-MEI-31	8	up to 100
Deltamethrin	1	UNITOX-ME-37	2	UNITOX-MEI-31	10	up to 100
Deltamethrin	2.5	UNITOX-ME-37	8	UNITOX-MEI-36	12	up to 100
Deltamethrin	5	UNITOX-ME-37	18	UNITOX-MEI-36	12	up to 100
Tebuconazole	6	UNITOX-ME-37	8	UNITOX-MEI-31	15	up to 100
Transfluthrin	20	UNITOX-ME-37	10	UNITOX-MEI-31	15	up to 100

Adjuvants are chemicals that do not possess pesticidal activity. They are inert ingredients, used to improve the physical and biological performance of agrochemical products. Adjuvants are either pre-mixed in the pesticide formulation or added to the spray tank to improve mixing or application or to enhance pesticidal performance.



ADJUVANTS INCLUDES

Surfactant	Category (Sticker, Wetters, Penetrants, Defoamers, Spray Adjuvant)	Description	Physical Form	Uses	Technical Information			Cp Pt Deg.C
					Active Content	Appearance	Water content	
UNITOP-CD-253(M)	Spray Adjuvant	Formulated ethoxylated tallow amine bland.	Liquid	Glyphosate SL Formulations		Liquid		78-85
UNITOP-GLYPHO- 381	Spray Adjuvant	Fatty amine free surfactant	Liquid	Glyphosate SL Formulations		Liquid		
UNITOP-CD-80	Spray Adjuvant	Formulated ethoxylated tallow amine blend.	Liquid	Glyphosate SG Formulations		Liquid		78-85
UNITOP-SULFO	Spray Adjuvant	Formulated ethoxylated tallow amine blend.	Liquid	Sulfosulfuron Formulation		Liquid		78 - 85
UNITOP-PQ.70(M)	Spray Adjuvant	Formulated surfactant blend free from fatty amine ethoxylate	Liquid to paste	Paraquat Formulation		Liquid to paste		
UNITOP-MET-52	Sticker	Bland of Acrylic binder & non- ionic surfactant	Milky emulsion	Tank Additive for Metsulfuron WP, Sticking agent	30 % min	Emulsion		
UNITOP-STICK-50	Sticker	Blend of Acrylic binder & non- ionic surfactant	Milky emulsion	Spreader, Sticker, Activator & Rain fastener agent		Emulsion		
UNITOP- Thick-70	Thickener	Proprietary Blend of surfactants	Liquid	Thickener for Glyphosate formulation		Liquid		
UNITOP-AB-91	Solubliser	Proprietary Blend of surfactants	Liquid	Imidacloprid SL formulation		Liquid		
UNISTAB-P	Stabilizer	Epoxydised soyabean oil	Liquid	Stabilizer		Liquid		
UNITOP-SA-80	Wetter	Non-ionic Surfactant Blend	Liquid	General purpose spray Adjuvant		Liquid		
UNITOP-SA-65	Wetter	Non-ionic Surfactant Blend	Liquid	General purpose spray Adjuvant		Liquid		
UNITOP- PAD	Binder	Polyoxyethylene Ether	Liquid	Binder for Certap 4G end 50 SP		Liquid		
UNISIL -DEFOAMER	Defoamer	Silicon Defoamer	Liquid	Defoamer for SC, WG, EW,	20 - 25%	Liquid		
UNITOP-DEFOAMER	Defoamer	Proprietary Blend	Liquid	Defoamer for SL	98% min	Liquid		
UNITOP-BMO-81 71	Tank Mix Adjuvant	Proprietary Blend	Liquid	Adjuvant for Tembotrione SC		Liquid		

Surfactant	Category (Sticker, Wetters, Penetrants, Defoamers, Spray Adjuvant)	Description	Physical Form	Uses	Technical Information			Cp Pt Deg.C
					Active Content	Appearance	Water content	
UNITOP-MSO (METHYL SOYATE)	Green Solvent for OD	Methyl Ester of Soyabean Oil	Liquid	Green solvent for OD		Liquid		
UNITOP-MRO	Green Solvent for OD	Methyl ester of Rapeseed oil	Liquid	Green solvent for OD		Liquid		
UNITOP-TA-15	Adjuvant	Tallow Amine Ethoxylate	Liquid	Glyphosate SL formulation		Liquid		78 - 85
UNITOP-GFS-514	Adjuvant	Proprietary Blend	Liquid	Glufosinate SL Formulation		Liquid		
UNITOP- SUPERWET-521								



SURFACTANTS FOR AQUEOUS CAPSULE SUSPENSIONS (CS)

A Typical Composition of CS Formulation made by interfacial polymerization contains

Active ingredient	2.5 – 70 %
Water Immiscible Solvent	0 – 25 %
Emulsifiers	0.5 – 5%
Wall Forming Monomer-I	1 - 5%
Wall Forming Monomer-II	1 - 5%
Antifreeze	5 - 10%
Antifoam	0.5 – 1%
Anti-Settling Agent	0.2 – 2%
Biocides, stabilizer, and buffer	0 – 2 %
Water	Up to 100%



UNITOP CS SERIES

Surfactant	Physical Form @ 30 deg.C	pH of 5% Soln.	Solubility in water	Application
UNITOP-CS-1020	Liquid	5.5-7.5	Soluble	L-Cyhalothrin
UNITOP-CS-2030	Pasty Solid	5.5-7.5	Soluble	





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SOURCING QUALITY, DELIVERING TRUST



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