

Product Range

Non Ionic Surfactants for Agrochemicals

- | S. No. | Product |
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| 1. | Castor Oil Ethylene Oxide condensates 5 to 48 moles. |
| 2. | Styrenated Phenol Ethylene oxide condensates 10 to 29 moles. |
| 3. | Tri-decyl Alcohol Ethylene oxide condensates 5 to 20 moles. |
| 4. | Olyl Cetyl Alcohol Surfactant from 5 to 20 moles. |
| 5. | Lauryl Alcohol Ethxylate 2.0 to 20 moles. |
| 6. | Octyl Phenol Ethxylate 5.0 to 30 moles. |
| 7. | Tallow Amine Ethoxylates (10 to 20 moles) |
| 8. | Ethylene Oxide/Propylene Oxide co polymers. |
| 9. | Propoxylates. |

Anionic Surfactants for Agrochemicals

- | S. No. | Product |
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| 1. | Alpha Olefin Sulphonate from active matter 32% to 96%. |

Dispersing And Wetting Agent For WP Formulations

- | S. No. | Product | Chemical Identity |
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| 1. | PROPOL 245 | Surfactant for Clodinofof WP
Equivalent to Rhodia's Rhodasurf R45,
Croda's ATPLUS 245. |
| 2. | PROPOL SLS | Sodium Lauryl Sulphate (Wetting Agent). |
| 3. | PROPOL BX 80 & PROPOL DSN | Dispersing and Wetting agent pair equivalent to BASF's Tamol DN and Tamol FBP1 based on Naphthalene Sulphonate condensate and Alkyl Aryl Sulphate for "WP, WDG and other powder formulations." |

Other Speciality Products

- | S. No | Product | Chemical Identity |
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| 1. | PROPOL PAP/PAD | Stabilier and Sufactant system for Cartap hydrochloride Granules |
| 2. | PROPOL TAS 105 | Based on Tallow Amine Ethoxylate for Glyphosate SL |
| 3. | PROPOL SY 400 | Adjuvant / Surfactant for Metsulphuron |
| 4. | PROPOL SFS 105 | Adjuvant for Sulfosulfuron granules |
| 5. | PROPOL ESOS | Stabliser based on Epoxidised Soyabean Oil for pesticide technicals and EC formulations. |
| 6. | PROPOL MO | Solvent for Indoxacarb SC formulation and other oil based (Methyl Soyate) Formulations |
| 7. | PROPOL IMD | Solubliser for Imidacloprid SL |
| 8. | PROPOL RSO 9 | Rapeseed Oil methyl ester(emuslifiable) |
| 9. | PROPOL 20C
PROPOL 40C | Common emulsifier system for all SC formulations. |
| 10. | PROPOL C 207
PROPOL C 900 | Emulsifier system for Lambda Cyhalothrin CS formulation. |

GENERAL SPECIFICATIONS OF TWO COMPONENT EMULSIFIERS SYSTEMS FOR EC

S. No.	Parameters	Specifications
1	Appearance	Yellow to light amber coloured clear viscous liquid
2	pH (1% solution in Distilled water)	5.5 - 7.0
3	Moisture content	0.5% (max.)
4	Solubility in solvent CIX and mix xylene (10% v/v/)	Forms clear solution
5	Emulsion Stability	20 ppm, 342 ppm and 500 ppm are stable for 24 hours without any creaming or sediment.
6	Accelerated storage test at 54°C for 28 days	The emulsion of pesticide formulations prepared by using CCPML's emulsifier blends are stable for 24 Hours after accelerated storage stability study at 54°C for 28 days.

RANGE OF PRODUCTS FOR EC & SL FORMULATIONS

S. No.	Class	Agro Active Toxicant	Brand of Emulsifiers, Surfactant & Adjuvants Recommended		DOSAGE
1	HERBICIDE	2, 4 D-ETHYLESTER 38 EC	PROPOL 3808	PROPOL 1408	4
2	HERBICIDE	ALACHLOR 50 EC	PROPOL 601	PROPOL 602	4
3	INSECTICIDE	ALPHA CYPERMETHRIN 5 & 10 EC	PROPOL 3808	PROPOL 1408	7
4	HERBICIDE	AMITRAZ 12.5 EC	PROPOL AME30	PROPOL AME50	7
5	INSECTICIDE	BPMC 50 EC	PROPOL 3808	PROPOL 1408	7
6	HERBICIDE	BUTACHLOR 50 EC	PROPOL 601	PROPOL 602	4
7	INSECTICIDE	BUTOX EC	PROPOL BXA	PROPOL BXB	28
8	INSECTICIDE	CCP 50 EC + CYPER 5 EC	PROPOL SPP 40	PROPOL SPP 70	7
9	INSECTICIDE	CHLORPYRIPHOS 20 EC	PROPOL 3808	PROPOL 1408	4
10	INSECTICIDE	CHLORPYRIPHOS 20/40/48 EC	PROPOL SPP 40	PROPOL SPP 70	0.5
11	INSECTICIDE	CHLORPYRIPHOS 40 EC	PROPOL SPP 40	PROPOL SPP 70	7
12	INSECTICIDE	CPP 16 EC + ALPHACYPER 1 EC	PROPOL HCA	PROPOL HCN	6
13	INSECTICIDE	CPP 45 EC + SPINOSAD 2.3 EC	PROPOL HCA	PROPOL HCN	7
14	INSECTICIDE	CYPERMETHRIN 10 & 25 EC	PROPOL 3808	PROPOL 1408	7
15	INSECTICIDE	CYPERMETHRIN 10 EC	PROPOL 3808	PROPOL 1408	7
16	INSECTICIDE	DDVP 76 EC	PROPOL DDVP		7
17	INSECTICIDE	DELTAMETHRIN 2.5/5/10 EC	PROPOL HCA	PROPOL HCN	7
18	INSECTICIDE	DIAZINON 50 EC	PROPOL DZNA	PROPOL DZNB	7
19	INSECTICIDE	DICOFOL 18.5 EC	PROPOL DFA	PROPOL DFN	4
20	INSECTICIDE	DIMETHOATE 30 & 40 EC	PROPOL CM	PROPOL PM	6
21	INSECTICIDE	ENDOSULFAN 35 EC	PROPOL 3808	PROPOL 1408	4
22	INSECTICIDE	ETHION 40 EC + CYPER 5 EC	PROPOL FE 40	PROPOL FE 45	7
23	INSECTICIDE	ETHION 50 EC	PROPOL FE 40	PROPOL FE 45	7
24	INSECTICIDE	FENVALERATE 20 EC	PROPOL 3808	PROPOL 1408	7
25	FUNGICIDE	HEXA CONAZOLE 5 EC	PROPOL HC40	PROPOL HC80	7
26	INSECTICIDE	LAMBDA CYCHALOTHRIN 2.5 / 5 EC	PROPOL 3808	PROPOL 1408	7
27	INSECTICIDE	MALATHION 50 EC	PROPOL FM40	PROPOL FM 45	4
28	INSECTICIDE	MALATHION 57 EC	PROPOL FM40	PROPOL FM 45	7
29	INSECTICIDE	METHYL PARATHION 50 EC	PROPOL C914	PROPOL C915	8
30	INSECTICIDE	NEEM EC (300 PPM / 1500 PPM)	PROPOL N641		6
31	INSECTICIDE	OXYDEMETON METHYL 25 EC	PROPOL OXM25		6
32	HERBICIDE	OXYFLUORFEN 23.5 EC	PROPOL HCA	PROPOL HCN	7
33	HERBICIDE	PENDIMETHLIN 50 EC	PROPOL 809	PROPOL 810	6
34	HERBICIDE	PRETILECHLOR 50 EC	PROPOL CRM 20	PROPOL CRM 60	7
35	INSECTICIDE	PROFENOPHOS 25 & 50 EC	PROPOL PF 20	PROPOL PF 40	8
36	INSECTICIDE	PROFENOPHOS 40 EC + CYBER 4 EC	PROPOL PF 20	PROPOL PF 40	12
37	INSECTICIDE	PROFENOPHOS 50 EC	PROPOL PF 20	PROPOL PF 40	10
38	INSECTICIDE	PROPARGITE 57 EC	PROPOL PR 101	PROPOL PR 102	9
39	FUNGICIDE	PROPICONAZOLE 25 EC	PROPOL A 3018	PROPOL A 2575	8
40	INSECTICIDE	QUINALPHOS 25 EC	PROPOL 3808	PROPOL 1408	7
41	INSECTICIDE	TEMEPHOS 50 EC	PROPOL FM 50		7
42	INSECTICIDE	TRIAZOPHOS 40 EC	PROPOL TZA	PROPOL TZB	13
43	HERBICIDE	GLYPHOSATE 41 SL	PROPOL TAS 105		8
44	INSECTICIDE	IMIDACLOPRID 17.8 SL	PROPOL IMD		3
45	INSECTICIDE	MONOCROTOPHOS 36 SL		PROPOL MCP	4
46	HERBICIDE	PARAQUAT 24 SL	PROPOL GPA		4



RANGE OF PRODUCTS FOR WP, WDG, SP AND WSG FORMULATIONS

S. No.	Class	Agro Active Toxicant	Brand of Emulsifiers, Surfactant			DOSAGE	
1	HERBICIDE	ATRAZINE 50 WP	PROPOLDN	PROPOL BX-80	OR	PROPOL 990 N	5
2	FUNGICIDE	BENOMYL 50 WP	PROPOLDN	PROPOL BX-80	OR	PROPOL 990 N	6
3	FUNGICIDE	CARBENDAZIM 50 WP	PROPOLDN	PROPOL BX-80	OR	PROPOL 990 N	5
4	FUNGICIDE	CHLORTHALONII 75 WP	PROPOLDN	PROPOL BX-80	OR	PROPOL 990 N	5
5	HERBICIDE	CLORIMURON ETHYL 25 WPP	ROPOLDN	PROPOL BX-80	OR	PROPOL 990 N	0.5
6	FUNGICIDE	COPPER OXY CHLORIDE 50 WP	PROPOLDN	PROPOL BX-80	OR	PROPOL 990 N	4
7	FUNGICIDE	DODINE 65 WP	PROPOLDN	PROPOL BX-80	OR	PROPOL 990 N	4
8	HERBICIDE	ISOPROTURON 50 / 75 WP	PROPOLDN	PROPOL BX-80	OR	PROPOL 990 N	5
9	INSECTICIDE	MALATHION 25 WP	PROPOLDN	PROPOL BX-80	OR	PROPOL 990 N	4
10	FUNGICIDE	MATALAXYL 25 WP	PROPOLDN	PROPOL BX-80	OR	PROPOL 990 N	3
11	FUNGICIDE	METAMITRON 70 WP	PROPOLDN	PROPOL BX-80	OR	PROPOL 990 N	5
12	HERBICIDE	METRIBUZIN 70 WP	PROPOLDN	PROPOL BX-80	OR	PROPOL 990 N	5
13	FUNGICIDE	SULPHUR 80 WP	PROPOLDN	PROPOL BX-80(FP)	OR	PROPOL 990 N	7
14	FUNGICIDE	TRICYCLAZOLE 75 WP	PROPOLDN	PROPOL BX-80	OR	PROPOL 990 N	8
15	HERBICIDE	SULFOSULFURON 75 WDG	PROPOL SFS 105				0.5
16	INSECTICIDE	IMIDACLOPRID 70 WSG	PROPOLDN	PROPOL BX-80	OR	PROPOL 990 N	1
17	FUNGICIDE	METALAXYL 35 WSG	PROPOLDN	PROPOL BX-80	OR	PROPOL 990 N	4
18	HERBICIDE	GLYPHOSATE 70 WSG	PROPOL W 900				10
19	INSECTICIDE	ACEPHATE 75 SP	PROPOLDN	PROPOL BX-80	OR	PROPOL 990 N	2



RANGE OF PRODUCTS FOR SC FORMULATIONS

S. No.	Class	Agro Active Toxicant	Brand of Emulsifiers, Surfactant & Adjuvants Recommended		DOSAGE
1	FUNGICIDE	CARBENDIAZIM 42.27 SC	PROPOL 20C	PROPOL 40C	6
2	FUNGICIDE	HEXAONAZOLE 5 SC	PROPOL SY 1500	PROPOL SY 1600	7
3	INSECTICIDE	INDOXACARB 14.5 SC	PROPOL IN 100	PROPOL IN 200	13

RANGE OF PRODUCTS FOR EW FORMULATIONS

1	HERBICIDE	BUTACHLOR 50 EW	PROPOL BW		4
2	FUNGICIDE	TEBUONAZOLE 20 EW	PROPOL TBZ		4

RANGE OF PRODUCTS FOR CARTAP FORMULATIONS

1	INSECTICIDE	CARTAP 4G	PROPOL PAP	PROPOL PAD	2.5
2	INSECTICIDE	CARTAP 50 SP	PROPOL PAP	PROPOL PAD	2.5

RANGE OF PRODUCT FOR FS FORMULATIONS

1	INSECTICIDE	IMIDACLOPRID 48 FS	PROPOL IMD 10		7
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RANGE OF PRODUCT FOR CS FORMULATIONS

1	INSECTICIDE	LAMBDAHALOTHIRIN CS	PROPOL C207	PROPOL C900	
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NOTE

We can supply tailor made surfactants, emulsifiers and adjuvants for any other EC, SL, WP, WDG, SP, SC, EW, FS and CS Formulations and or as per your specific requirements, specifications and performances.

This extra service of our company is because of our strong exceptional and state of art research and development infrastructures consisting of 5 kgs to 20 kgs autoclaves for ethoxylations and propoxylations. We also have an exceptional R & D team consisting of highly qualified and experienced personnel with more than 25 years experience in crop protection surfactants.

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