



Market leaders in India holding majority percentage of market share for the widest range of Agrochemical Emulsifiers, Surfactants & Adjuvants.

Our prestigious clients who have approved and using our products include Syngenta, Bayer, BASF, Cheminova, Isagro, Dupont, UPL, Sinochem, Monsanto among other major formulators.

CORE CHEMICALS (MUMBAI) PVT. LTD.

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www.corechemicals.com







Welcome

an introduction to Core chemicals (Mumbai) Pvt Ltd

Core Chemicals (Mumbai) Pvt. Ltd. is a principal company of Globe Industries involved in the manufacturing of speciality emulsifiers, surfactants, Adjuvants, Stabiliser for crop protection formulation such as EC, SC, EW, WP, WDG, SG, FS etc.

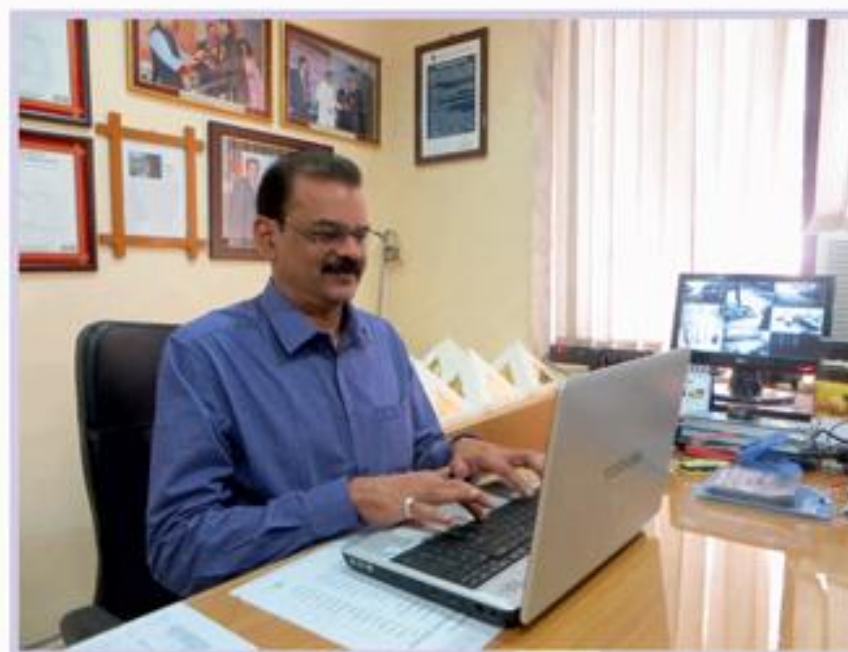
Our group is an established player in crop protection sector from the last 25 years and holding at the moment 45% of the market share in India.

The group turnover of Core Chemicals (Mumbai) Pvt Ltd is \$20 million (INR 100 crore)

Core Chemicals has three state of the art manufacturing sites two at Badlapur and one at Vasai which are manned by highly qualified and skilled technocrats.

The core competence of CCMPL is development of high performance and innovative products for crop protection industry, the surfactants of which include the latest SC, EW, CS, FS, WDG and SG formulations.

“CCPL is the Innovations' platform & the **technology summit** with worldwide impact”



Our Objectives

Supply superior products meeting International Quality Standards.

Be equipped with the latest technologies to meet diverse needs of the clients using emulsifiers, surfactants, and adjuvants for all crop protection formulations.

Provide the best technical back up to its valued customers.

Provide solutions and latest technologies to customers to help them excel in pesticide formulation technology.

MANAGEMENT

The Management break team of Core Chemicals (Mumbai) Pvt. Ltd. is comprised of highly professional, qualified and experienced personells well versed agrochemicals as well as surfactant industry.

Mr. Nandu Gupta

Chairman & Managing Director

Mr. S. K Vashisht

Sr. V P Techno Commercial

Mr. S. K Pandey

Head Manufacturing

Mr. Yogesh Mali

Head Q.C and R & D

Mrs. Kritika A. Patel

General Manager (Marketing & Business Development)

Mr. S. Krishnamurthy

General Manager (Audit & Administration)

Mr. Sudhir D. Shetty

General Manager (Finance & Accounts)

Mr. S. K Das

General Manager (Project, Maintenance & HSE)

Mr. Suchit Bhagat

General Manager (Logistic & Govt Revenues)

Mr. Aditya Patel

General Manager Corporate Affairs

Process Capabilities

The company carries out the following process chemistries at its manufacturing sites:

- Ethoxylation
- Sulphonation
- Phosphation
- Epoxidation
- Transesterification
- High Vacuum Distillation
- Propoxylation
- Hydrogenation
- Nitrile reaction



Manufacturing Facilities

BADLAPUR SITE - 1

Operations - Formulation of emulsifiers, surfactants and adjuvants, manufacturing of epoxidised soyabean oil and methyl soyate, manufacturing of phosphate esters.

BADLAPUR SITE - 2

Operations - Tallow amine & other fatty amines Calcium salt of linear Alkyl Benzene Sulfonic acid, Formulation of emulsifiers, surfactants and adjuvants.

VASAI

Operations - Dedicated site of ethoxylation, propoxylation and ethylene oxide, propylene oxide co polymers

CCMPL HAS THREE STATE OF THE ART MANUFACTURING UNITS AROUND MUMBAI
The total installed capacity of the three sites is 23,000mt per annum

Exceptional R & D Infrastructure

R & D team works in close co-ordination with formulation development department of customers to develop internationally approved processes and products with special focus on import substitutions.

STATE OF THE ART EQUIPMENTS LIKE FTIR, HPLC, GLC, VISCOMETER, TENSIO METER ETC.

EXCELLENT RESEARCH AND DEVELOPMENT TEAM CONSISTING OF WELL QUALIFIED SCIENTISTS WITH OVER 3 DECADES EXPERIENCE IN SURFACTANTS CHEMISTRY.

PILOT PLANT HAVING ETHOXYLATION CAPACITY FROM 5 KGS TO 200 KGS BATCH SIZE MAKING RESEARCH VERSATILE AND RESULT ORIENTED.





Environment

- Socially responsible and environment freindly.
- All units are equipped with effluent treatment plants.
- Individual units are members of their respective CETP's (Central Effluent Treatment Plants).
- Any discharge to CETP is first treated and tested as per MPCB norms in the laboratory.

Safety

Staff is regularly trained for safe working in the chemicals unit. All units are equipped with adequate fire fighting equipments. On site and off site emergency plans available at individual sites. Staff are provided with Personal Protection Equipments (PPE's)

Technical services

CCMPL is committed to providing technical support to every client in order to improve the quality of their formulations and develop effective formulations. The technical services team is well trained to work at the customer's site and provide solution to their satisfaction.

Product Range

Non Ionic Surfactants for Agrochemicals

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

Dispersing And Wetting Agent For WP Formulations

- | S. No. | Product | Chemical Identity |
|--------|--------------|--|
| 1. | PROPOL 245 | Surfactant for Clodinofop WP Equivalent to Rhodia's Rhodasurf R45, Croda's ATPLUS 245. |
| 2. | PROPOL SLS | Sodium Lauryl Sulphate (Wetting Agent). |
| 3. | PROPOL BX 80 | FBP1 based on Naphthalene Sulphonate condensate and Alkyl Aryl Sulphate for "WP, WDG and other powder formulations." |
| 4. | PROPOL DSN | Dispersing and Wetting agent pair equivalent to BASF's Tamol DN and Tamol. |

Other Speciality Products

- | S. No | Product | Chemical Identity |
|-------|------------------------------|--|
| 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 Imidaclopid 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.



Blended Two Component Emulsifiers System for Pesticide Formulations

The Blended Emulsifiers range of CCMPL for all Toxicants / technicals as in our Dosage chart has been developed after extensive research and development. The highlights of these blended emulsifiers are

A pair developed for a toxicant is tested for versatility after checking its performance on same toxicant of different manufactures. It ensures that even if a formulator changes its technical source, the quality of emulsion is not affected. The analytical parameters like moisture content and pH value are carefully monitored since pesticide formulations are very sensitive to these parameters. Accelerated storage stability studies for a minimum of 28 days are carried out once a pair is found to be passing in the initial studies to ensure that the new product offered to the customer has passed all the stringent tests at our end itself. The blended pairs are so designed that they take care of change in the composition of the solvents. Thus the formulators have the flexibility to choose the solvent they wish to use for formulating their toxicant. The raw material for the blended pairs namely anionic and ionic surfactant are manufactured at our own sites. This ensures that we are able to monitor the quality of the raw materials very closely and that the raw materials adhere to our very stringent specification. Each batch of the blended pair is tested in our application laboratory before despatch to ensure consistency of the performance at the formulators and our team of scientists are always ready to provide technical support to the formulators for trouble shooting. The new tailor made blends can be developed as per customer's requirement. We manufacture totally APEO free biodegradable system for crop protection formulations approved in the international markets such as US ,UK etc where the use of APEO is banned or highly restricted.

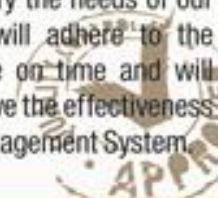
Quality Assurance Laboratory



- All raw material and finished products put to stringent QA tests with in-process testing.
- Quality Assurance laboratory headed by team of experienced QA professionals.
- Equipped with the latest quality control testing equipments.
- Highly standardized QA system to ensure consistency in quality of all the products.

QUALITY POLICY & CERTIFICATION

We, at Core Chemicals (Mumbai) Pvt. Ltd. will strive to continually improve the quality of our products and services, to satisfy the needs of our customers and will adhere to the delivery schedule on time and will continually improve the effectiveness of the Quality Management System.



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	HEXAONAZOLE 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	OXYDEMOTON 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 & Adjuvants Recommended			DOSAGE
1	HERBICIDE	ATRAZINE 50 WP	PROPOL DSN	PROPOL BX -80 OR	PROPOL 990 N	5
2	FUNGICIDE	BENOMYL 50 WP	PROPOL DSN	PROPOL BX -80 OR	PROPOL 990 N	6
3	FUNGICIDE	CARBENDAZIM 50 WP	PROPOL DSN	PROPOL BX -80 OR	PROPOL 990 N	5
4	FUNGICIDE	CHLORTHALONII 75 WP	PROPOL DSN	PROPOL BX -80 OR	PROPOL 990 N	5
5	HERBICIDE	CLORIMURON ETHYL 25 WP P	ROPOL DSN	PROPOL BX -80 OR	PROPOL 990 N	0.5
6	FUNGICIDE	COPPER OXY CHLORIDE 50 WP	PROPOL DSN	PROPOL BX -80 OR	PROPOL 990 N	4
7	FUNGICIDE	DODINE 65 WP	PROPOL DSN	PROPOL BX -80 OR	PROPOL 990 N	4
8	HERBICIDE	ISOPROTURON 50 / 75 WP	PROPOL DSN	PROPOL BX -80 OR	PROPOL 990 N	5
9	INSECTICIDE	MALATHION 25 WP	PROPOL DSN	PROPOL BX -80 OR	PROPOL 990 N	4
10	FUNGICIDE	MATALAXYL 25 WP	PROPOL DSN	PROPOL BX -80 OR	PROPOL 990 N	3
11	FUNGICIDE	METAMITRON 70 WP	PROPOL DSN	PROPOL BX -80 OR	PROPOL 990 N	5
12	HERBICIDE	METRIBUZIN 70 WP	PROPOL DSN	PROPOL BX -80 OR	PROPOL 990 N	5
13	FUNGICIDE	SULPHUR 80 WP	PROPOL DSN	PROPOL BX -80(FP) OR	PROPOL 990 N	7
14	FUNGICIDE	TRICYCLAZOLE 75 WP	PROPOL DSN	PROPOL BX -80 OR	PROPOL 990 N	8
15	HERBICIDE	SULFOSULFURON 75 WDG	PROPOL SFS 105			0.5
16	INSECTICIDE	IMIDACLOPRID 70 WSG	PROPOL DSN	PROPOL BX -80 OR	PROPOL 990 N	1
17	FUNGICIDE	METALAXYL 35 WSG	PROPOL DSN	PROPOL BX -80 OR	PROPOL 990 N	4
18	HERBICIDE	GLYPHOSATE 70 WSG	PROPOL W 900			10
19	INSECTICIDE	ACEPHATE 75 SP	PROPOL DSN	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	HEXAICONAZOLE 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	TEBUCONAZOLE 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

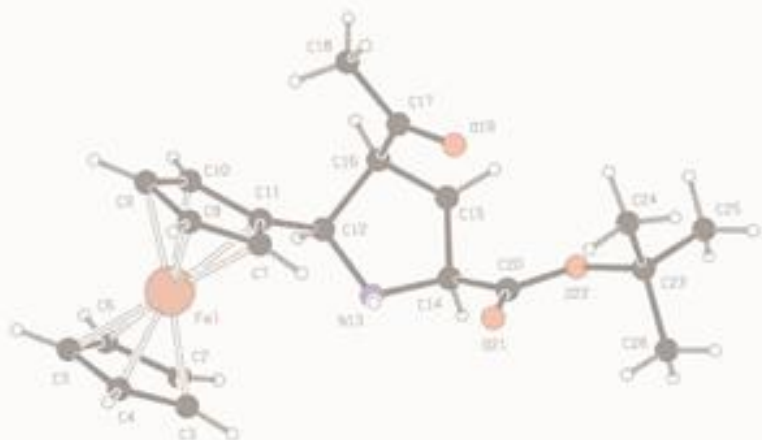
1	INSECTICIDE	LAMBDAHALOTHHRIN CS	PROPOL C207	PROPOL C900	
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NOTE

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 personells with more than 25 years experience in crop protection surfactants.

Research and development infrastructure with 5 - 20 kgs autoclaves for ethoxylation and propoxylation.



“Our valued customers
**buying major
 percentage of
 Emulsifiers Surfactants
 and adjuvants.**”

Agrimas Chemical Ltd.
 Anu Products Ltd.
 Astec Life Science Ltd.
 B. R Agrotech Ltd.
BASF (I) Ltd.
Bayer India Ltd.
 Bharat Insecticides Ltd.
 BioStadt India Ltd.
 Chemet Chemicals Pvt. Ltd.
Cheminova (Chemicals) India Ltd.
 Coromandel Agrico Ltd.
 Coromandel International Ltd.
 Crystal Phosphates Ltd.
 Dhanuka Agritech Ltd.
EI - Dupont
 Excel Cropcare Ltd.
 Gharda Chemicals Ltd.
 Gujarat Insecticides Ltd.
 Gujarat Superphosphates Ltd.
 Heranba Industries Ltd.
 Hikal Ltd.
 Hyderabad Chemicals Ltd.

Indofil Chemical Company
 Insecticide India Ltd.
Isagro Asia (Pvt.) Ltd.
 Meghamani Organics Ltd.
Monsanto Chemicals Ltd.
 Nagarjuna Agrichem Ltd.
 Nagarjuna Agrochemicals Ltd.
 PI Industries Ltd.
 Pioneer Pesticides Ltd.
 Sabero Organics Gujarat Ltd.
 Saraswati Agro Chemicals (I) Pvt. Ltd.
Sinochem India Company Pvt. Ltd.
 Spectrum Ethers Ltd.
 Sudarshan Chemicals Ltd.
Syngenta India Ltd.
United Phosphours Ltd.
 Vimal Pesticides
 Rallis India Ltd.
 Krishi Rasayan Ltd.
 Meghmani Industries Ltd.
 Makhteshim Agan Ltd.
 Tagros Chemicals India Ltd.
 Tropical Agrosystems (India) Pvt. Ltd.



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