23 December 2021 Update | Sector: Chemicals

Navin Fluorine

BSE SENSEX

57,315

S&P CNX

17,073

Motilal Oswal



Bloomberg	NFIL IN
Equity Shares (m)	49
M.Cap.(INRb)/(USDb)	198.1 / 2.6
52-Week Range (INR)	4213 / 2219
1, 6, 12 Rel. Per (%)	17/8/35
12M Avg Val (INR M)	937

Financials & Valuations (INR bn)

Y/E March FY22E FY23E FY24E								
-		-						
Sales	13.1	20.3	23.9					
EBITDA	3.5	5.9	6.9					
PAT	2.6	4.4	5.2					
EPS (INR)	51.9	88.9	104.9					
EPS Gr. (%)	2	71	18					
BV/Sh.(INR)	375	446	530					
Ratios								
Net D:E	(0.2)	(0.2)	(0.2)					
RoE (%)	14.7	21.6	21.5					
RoCE (%)	14.6	21.5	21.4					
Payout (%)	20.0	20.0	20.0					
Valuations								
P/E (x)	76.3	44.6	37.8					
P/BV (x)	10.6	8.9	7.5					
EV/EBITDA (x)	55.1	32.5	27.4					
Div. Yield (%)	0.3	0.4	0.5					
FCF Yield (%)	0.0	0.8	1.6					

Shareholding pattern (%)

As On	Sep-21	Jun-21	Sep-20
Promoter	30.2	30.2	30.5
DII	15.2	15.2	20.3
FII	26.4	26.7	21.1
Others	28.2	28.0	28.1

FII Includes depository receipts

Stock performance (one-year)

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3,000	4	Мr.	hu	. بر بر	مسمسم	M.	M _V
2,000	Dec-20	Feb-21	Apr-21	Jun-21	Aug-21	Oct-21	Dec-21

CMP: INR4,000

TP: INR4,195 (+5%)

Neutral

Agrochemicals: An ever growing opportunity – Volume II

Around 53% of new Agro APIs are Fluorinated molecules

- In continuation of <u>our recent study on the ever increasing use of fluorine in Life</u> <u>Sciences/Pharmaceuticals</u>, we dive into its Agrochemical applications. Similar to our findings in the Pharmaceutical space, currently ~53% of Agrochemicals are organofluorine compounds (compared to a 40% in 2000).
- Organofluorine compounds have emerged as attractive synthetic building blocks in both the Pharmaceutical and Agrochemicals industry. The similarities between them include the design of target molecules and biological functions, and the considerations to Lipinski's rules to estimate the probability of success. Fluorinated herbicides and fungicides have some similarities to fluoro-pharmaceuticals, whereas insecticides and acaricides are different; although a major differentiator/key consideration is the increase in costs, which limits their use in Agrochemicals, especially in developing countries.
- In this report, we discuss about the uses of fluorine in the Agrochemical space. NFIL has recently entered into a five year (INR8b) contract with a global MNC for supply of a key Fluoro-Agrochemical intermediate.

Lipophilicity of fluorine atoms – the novel solution to biological resistance...

- Currently, over 1,200 Agrochemicals are listed. However, their resistance to pesticides is an ever more frequently occurring phenomenon. A continuous supply of novel Agrochemicals with higher efficiency, selectivity, and low toxicity is required.
- Fluorine is the second smallest element after hydrogen. Selecting small organic molecules to act as a ligand to target biomolecules (enzymes, proteins, DNA) on the surface or inside cells is crucial for bioactive reagents. These ligands generally interact with biomolecules to form complexes, controlling the biological processes in insects, plants, and bacteria.
- Addition of fluorine atoms to active compounds can improve their binding by altering hydrogen-bonding and ionic interactions, and lipophilicity. A highly lipophilic compound is crucial, particularly in the case of insecticides, for the translocation via the surface of insects. Higher lipophilicity renders herbicides more resistant to being washed out by rain.

...with minimal risks to human health

- Besides its use in crop protection, Agrochemicals are used to safeguard human health from parasitic infectious diseases such as malaria, the Zika virus, and dengue fever, which are spread by mosquitos.
 - **Currently, a new Agrochemical cannot be approved unless its effects on air, water, soil, and human health are known.** The robustness (strong C-F bonds) of Fluoro-Agrochemicals is advantageous, but the same possesses a huge risk of bio-accumulation via the food cycle. Trifluralin (a trifluoromethyl compound), which had been a very prominent drug for half a century, was eventually banned in the European Union in CY08, owing to its toxicity to aquatic and human life.

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Investors are advised to refer through important disclosures made at the last page of the Research Report. Motilal Oswal research is available on www.motilaloswal.com/Institutional-Equities, Bloomberg, Thomson Reuters, Factset and S&P Capital. The Stockholm Convention was started in CY04 to protect human health and the environment from persistent organic pollutants (POPs). Initially, 12 POPs were listed, which has now been expanded to 38 POPs (18 pesticides, 13 industrial chemicals, and 7 unintentional products). However, 17 of the 18 pesticides POPs are organochlorine-based Agrochemicals, with only one organofluorine Agrochemical (*refer Exhibit 4*). This may indicate that Fluoro-Agrochemicals are of lower environmental toxicity than organochlorine Agrochemicals.

Valuation and view – a forerunner to upcoming demand

- NFIL intends to leverage its R&D capabilities and deep fluorination expertise to partner with global companies, thus helping it grow further. Currently, NFIL has three R&D centers (at Surat, Devas, and Manchester, employing a total of 120 people) and the management is evaluating the prospects of another R&D center on the outskirts of Mumbai for the Specialty Chemicals segment. Over the near-to-medium term, NFIL plans to add another 30-80 people in this department.
- The company has entered into a five-year contract with a large MNC for manufacturing and supply of a key Fluoro-Agrochemical intermediate. As is now common in the Pharmaceutical industry, Fluoro-Agrochemicals (especially with a stereogenic carbon center) will most likely receive increased attention in the near future. The management has been reiterating huge opportunities in both the Agro and Pharma space.
- It is looking for an additional land parcel for such opportunities, although near term opportunities will be fulfilled at existing facilities.
- The stock is trading at 45x/38x FY23E/FY24E EPS of INR89/INR105, with an expected improvement in return ratios to ~22% (up 500bp v/s FY21), despite a huge capex (INR7b over the next three years). We value the company at 40x FY24E EPS to arrive at our TP of INR4,195 and maintain our Neutral rating. We await a right entry point on dips, highlighting our aforementioned optimism on fluorination chemistry.

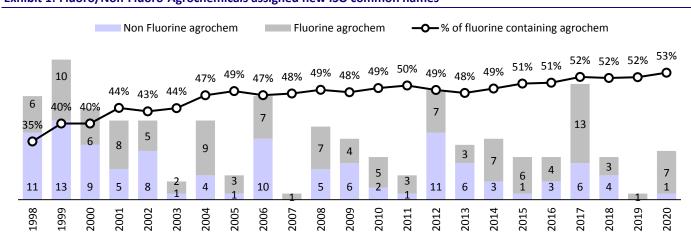


Exhibit 1: Fluoro/Non-Fluoro-Agrochemicals assigned new ISO common names

Source: Industry, Iscience, MOSFL

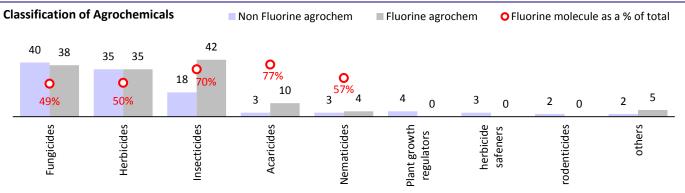


Exhibit 2: Classification of Agrochemicals by new ISO common names

Exhibit 3: Fluoro-Agrochemicals are majorly used in **Herbicides and Insecticides**

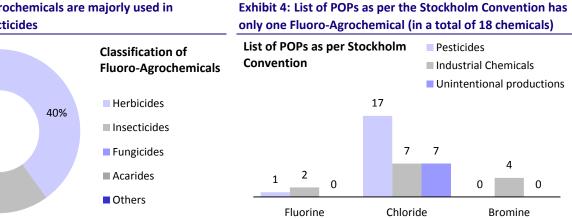
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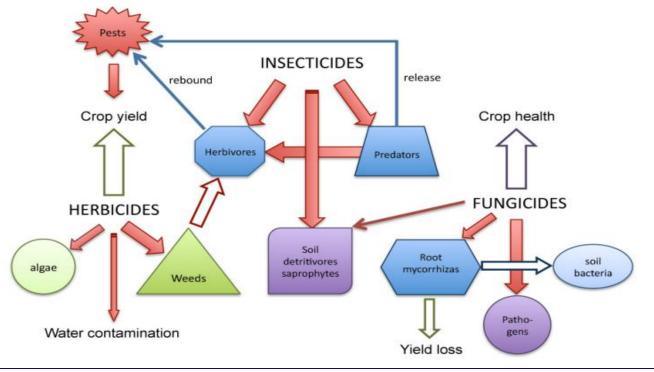
Source: Industry, Iscience, MOSFL



Source: Industry, Iscience, MOSFL

Source: Industry, Iscience, MOSFL

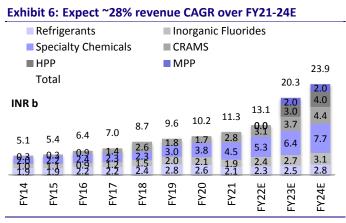
Exhibit 5: Diagram showing the main impact of pesticides on soil, plant, and arthropod communities. Red arrows indicate a decrease and blue arrows indicate an increase; empty arrows indicate indirect effects



Source: Industry, MOFSL

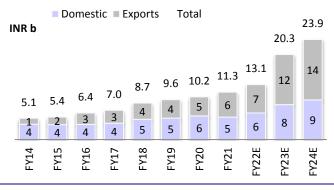
Navin Fluorine

Financials story in charts

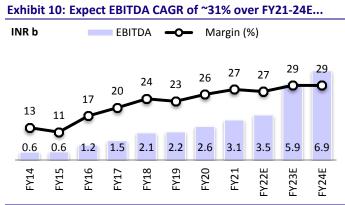


Source: Company, MOFSL

Exhibit 8: Exports constitute ~53% of total revenue in FY21...



Source: Company, MOFSL

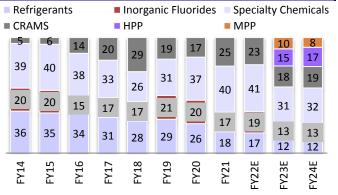


Source: Company, MOFSL



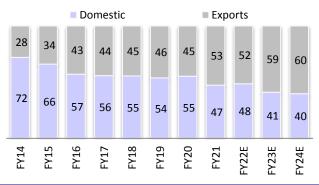
Source: Company, MOFSL

Exhibit 7: ...with Specialty Chemicals and CRAMS CAGR of ~20%



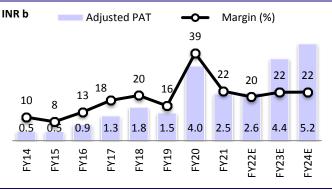
Source: Company, MOFSL





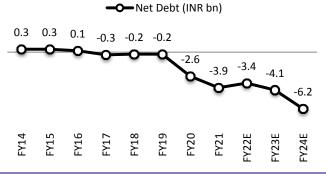
Source: Company, MOFSL

Exhibit 11: ...with a PAT CAGR of ~27% over the same period



Source: Company, MOFSL





Source: Company, MOFSL

Financials and valuations

Standalone Income Statement									(INR m)
Y/E March	FY16	FY17	FY18	FY19	FY20	FY21	FY22E	FY23E	FY24E
Total Income from Operations	6,785	7,368	8,861	9,551	10,223	11,331	13,144	20,349	23,948
Change (%)	16.1	8.6	20.3	7.8	7.0	10.8	16.0	54.8	17.7
Gross Margin (%)	57.0	57.9	56.6	52.3	54.5	54.9	55.8	55.8	55.8
EBITDA	1,161	1,499	2,107	2,181	2,607	3,108	3,500	5,904	6,942
Margin (%)	17.1	20.3	23.8	22.8	25.5	27.4	26.6	29.0	29.0
Depreciation	209	284	382	259	337	407	451	483	525
EBIT	952	1,216	1,725	1,922	2,270	2,702	3,050	5,421	6,417
Int. and Finance Charges	32	5	7	5	16	14	14	14	14
Other Income	247	557	906	348	313	745	368	468	534
PBT bef. EO Exp.	1,167	1,768	2,625	2,265	2,567	3,433	3,404	5,875	6,937
EO Items	0	0	0	0	0	662	0	0	0
PBT after EO Exp.	1,167	1,768	2,625	2,265	2,567	4,095	3,404	5,875	6,937
Total Tax	302	441	835	780	-1,431	1,103	834	1,479	1,746
Tax Rate (%)	25.9	25.0	31.8	34.5	-55.7	26.9	24.5	25.2	25.2
Reported PAT	865	1,326	1,790	1,485	3,998	2,992	2,570	4,396	5,191
Adjusted PAT	865	1,326	1,790	1,485	3,998	2,508	2,570	4,396	5,191
Change (%)	75.1	53.4	34.9	-17.0	169.3	-37.3	2.5	71.1	18.1
Margin (%)	12.7	18.0	20.2	15.5	39.1	22.1	19.5	21.6	21.7
Standalone Balance Sheet									
Y/E March	FY16	FY17	FY18	FY19	FY20	FY21	FY22E	FY23E	FY24E
Equity Share Capital	98	98	99	99	99	99	99	99	99
Total Reserves	7,132	8,137	9,601	10,493	13,790	16,402	18,458	21,975	26,127
Net Worth	7,230	8,235	9,700	10,592	13,889	16,501	18,557	22,074	26,226
Total Loans	299	0	0	0	0	0	0	0	0
Deferred Tax Liabilities	213	207	239	295	206	167	167	167	167
Capital Employed	7,742	8,443	9,939	10,887	14,096	16,668	18,724	22,241	26,393
Gross Block	4,304	4,377	3,232	3,511	4,643	4,937	7,937	9,937	11,937
Less: Accum. Deprn.	1,633	272	477	715	1,053	1,459	1,910	2,393	2,918
Net Fixed Assets	2,671	4,105	2,755	2,796	3,591	3,478	6,027	7,545	9,020
Capital WIP	139	168	201	393	389	365	365	365	365
Total Investments	2,909	3,157	5,219	5,267	3,387	4,503	4,503	4,503	4,503
Curr. Assets, Loans, and Adv.	3,406	3,805	3,817	4,224	7,042	10,320	9,924	13,013	16,255
Inventory	627	989	924	929	1,361	1,543	1,723	2,581	3,039
Account Receivables	1,401	1,308	1,471	1,675	2,093	2,759	2,692	4,167	4,904
Cash and Bank Balance	152	297	219	224	2,641	3,889	3,381	4,137	6,185
Cash	93	224	136	127	1,692	761	253	1,009	3,056
Bank Balance	59	74	83	97	890	3,128	3,128	3,128	3,128
Loans and Advances	1,226	1,211	1,203	1,397	947	2,128	2,128	2,128	2,128
Curr. Liability and Prov.	1,383	2,793	2,053	1,794	1,644	1,998	2,096	3,186	3,750
Account Payables	759	760	889	679	922	1,027	1,168	1,750	2,060
Other Current Liabilities	547	1,941	1,056	1,005	590	824	759	1,175	1,383
Provisions	77	91	108	110	131	147	169	261	307
Net Current Assets	2,023	1,012	1,764	2,431	5,398	8,322	7,828	9,827	12,505
Appl. of Funds	7,742	8,443	9,939	10,887	14,096	16,668	18,724	22,241	26,393

Financials and valuations

Ratios									
Y/E March	FY16	FY17	FY18	FY19	FY20	FY21	FY22E	FY23E	FY24E
Basic (INR)									
EPS	17.5	26.8	36.2	30.0	80.8	50.7	51.9	88.9	104.9
EPS Growth (%)	75.1	53.4	34.9	-17.0	169.3	-37.3	2.5	71.1	18.1
Cash EPS	21.7	32.5	43.9	35.2	87.6	58.9	61.0	98.6	115.5
BV/Share	146.1	166.4	196.0	214.1	280.7	333.5	375.1	446.1	530.1
DPS	4.2	5.3	7.0	7.8	11.0	11.0	10.4	17.8	21.0
Payout (%)	28.6	26.2	19.9	41.7	17.9	18.2	20.0	20.0	20.0
Valuation (x)									
P/E	226.9	147.9	109.6	132.1	49.1	78.2	76.3	44.6	37.8
Cash P/E	182.7	121.8	90.3	112.5	45.2	67.3	65.0	40.2	34.3
P/BV	27.1	23.8	20.2	18.5	14.1	11.9	10.6	8.9	7.5
EV/Sales	28.9	26.6	22.1	20.5	18.9	17.0	14.7	9.4	7.9
EV/EBITDA	169.0	130.6	93.0	89.8	74.2	61.9	55.1	32.5	27.4
Dividend Yield (%)	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.5
FCF per share	11.7	-16.2	25.7	5.9	11.8	52.1	0.4	33.3	62.6
Return Ratios (%)									
RoE	13.4	17.2	20.0	14.6	32.7	16.5	14.7	21.6	21.5
RoCE	12.5	16.4	19.5	14.3	32.2	16.4	14.6	21.5	21.4
RoIC	17.7	19.5	25.8	27.1	55.7	25.3	25.0	34.2	33.6
Working Capital Ratios									
Fixed Asset Turnover (x)	2.8	2.2	2.6	3.4	3.2	3.2	2.8	3.0	2.9
Asset Turnover (x)	0.9	0.9	0.9	0.9	0.7	0.7	0.7	0.9	0.9
Inventory (Days)	34	49	38	35	49	50	48	46	46
Debtor (Days)	75	65	61	64	75	89	75	75	75
Creditor (Days)	41	38	37	26	33	33	32	31	31
Leverage Ratio (x)									
Current Ratio	2.5	1.4	1.9	2.4	4.3	5.2	4.7	4.1	4.3
Net Debt/Equity	0.0	0.0	0.0	0.0	-0.2	-0.2	-0.2	-0.2	-0.2
Standalone Cash Flow Statement									
Y/E March	FY16	FY17	FY18	FY19	FY20	FY21	FY22E	FY23E	FY24E

Y/E March	FY16	FY17	FY18	FY19	FY20	FY21	FY22E	FY23E	FY24E
OP/(Loss) before Tax	1,167	1,768	2,625	2,265	2,567	4,095	3,404	5,875	6,937
Depreciation	209	284	382	259	337	407	451	483	525
Others	-73	-519	-694	-277	-210	-1,054	14	14	14
Direct Taxes Paid	-261	-306	-496	-710	-456	-186	-834	-1,479	-1,746
(Inc.)/Dec. in WC	-325	-275	-90	-637	-684	-305	-14	-1,243	-630
CF from Operations	717	951	1,727	900	1,555	2,958	3,021	3,650	5,100
Capex	-137	-1,750	-457	-606	-972	-382	-3,000	-2,000	-2,000
Free Cash Flow	581	-800	1,270	294	582	2,576	21	1,650	3,100
Change in Investments	42	133	-1,338	190	1,706	-914	0	0	0
CF from Investments	-314	-196	-1,489	-315	766	-3,452	-3,000	-2,000	-2,000
Inc./(Dec.) in Debt	-150	-299	0	0	0	0	0	0	0
Interest Paid	-32	-5	-7	-5	-16	-14	-14	-14	-14
Dividend Paid	-216	-343	-350	-611	-714	-394	-514	-879	-1,038
CF from Fin. Activity	-392	-623	-326	-595	-756	-437	-528	-893	-1,052
Inc./Dec. in Cash	11	131	-87	-9	1,565	-931	-508	756	2,047
Opening Balance	83	94	224	136	127	1,692	760	253	1,009
Closing Balance	93	224	136	127	1,692	761	253	1 ,00 9	3,056

Explanation of Investment Rating						
Investment Rating	Expected return (over 12-month)					
BUY	>=15%					
SELL	< - 10%					
NEUTRAL	< - 10 % to 15%					
UNDER REVIEW	Rating may undergo a change					
NOT RATED	We have forward looking estimates for the stock but we refrain from assigning recommendation					

*In case the recommendation given by the Research Analyst is inconsistent with the investment rating legend for a continuous period of 30 days, the Research Analyst shall within following 30 days take appropriate measures to make the recommendation consistent with the investment rating legend.

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