

GALAXY SURFACTANTS

COMPANY UPDATE

KEY DATA

Rating	BUY
Sector relative	Outperformer
Price (INR)	2,489
12 month price target (INR)	3,061
52 Week High/Low	3,370/2,021
Market cap (INR bn/USD bn)	89/1.0
Free float (%)	29.1
Avg. daily value traded (INR mn)	107.6

SHAREHOLDING PATTERN

	Mar-25	Dec-24	Sep-24
Promoter	70.91%	70.91%	70.91%
FII	4.10%	4.19%	4.08%
DII	12.94%	12.98%	12.99%
Pledge	0.02%	0.02%	0.02%

FINANCIALS

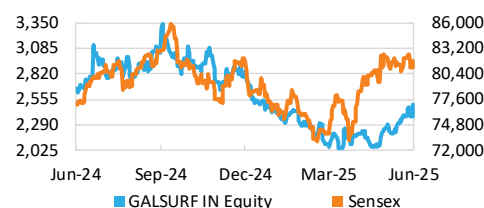
(INR mn)

Year to March	FY24A	FY25A	FY26E	FY27E
Revenue	37,944	42,237	45,193	48,357
EBITDA	4,622	4,842	5,747	6,475
Adjusted profit	3,015	3,049	3,536	4,019
Diluted EPS (INR)	85.0	86.0	99.8	113.4
EPS growth (%)	(20.9)	1.1	16.0	13.6
RoAE (%)	14.8	13.4	14.0	14.2
P/E (x)	29.3	28.9	25.0	22.0
EV/EBITDA (x)	18.9	18.1	15.0	13.1
Dividend yield (%)	0.9	0.9	0.9	1.0

CHANGE IN ESTIMATES

	Revised estimates		% Revision	
Year to March	FY2E	FY27E	FY26E	FY27E
Revenue	45,193	48,357	2.7	0.7
EBITDA	5,747	6,475	0.2	0.9
Adjusted profit	3,536	4,019	2.7	3.4
Diluted EPS (INR)	99.8	113.4	2.7	3.4

PRICE PERFORMANCE



From legacy to leadership

We attended Galaxy Surfactants's analyst meet and noticed a pivotal shift in management's approach towards growth. The company—now in the hands of professionally-run management—is eyeing an entry into high-value and growing areas such as Beauty and Wellness with fresh focus on the “Leave-On” category.

Galaxy is targeting 2x volumes, 2.5x EBITDA and 22%-plus RoCE over FY25–30. We believe the company is shooting for the moon, but shall land among the stars, which also makes a favourable investment case. Assuming slightly better volumes, we are raising FY26E/27E EPS by 2.7%/3.4% with a revised target price of INR3,061 (earlier INR2,693).

Aiming high: Ambitious vision for FY25–30

Galaxy has laid out bold targets for FY25–30: 2x volume growth, 2.5x EBITDA and 22%-plus RoCE. While the vision may seem lofty, the path laid out is methodical. The company aims to derive 50% of incremental EBITDA from organic growth, 30% from the new portfolio (Beauty & Wellness) and 20% from new avenues, including potential inorganic plays. Galaxy plans to launch 20 new products over the next five years and increase R&D spending to 2% of sales, up from 0.9% currently.

From Rinse-Off to Leave-On: a structural shift

Given a historical ten-year CAGR of ~5% in volumes and ~10% in EBITDA, these new targets mark a significant departure from past trajectories. Management's willingness to take bold bets—such as entering premium “Leave-On” care categories and actively pursuing M&A—signals a shift from steady-state growth to aspiration-driven growth.

Even falling short a climb upward

Our analysis suggests that even if Galaxy falls short of its moon-shot goals, the outcomes could still be impressive. Assuming FY25 volumes at ~256,816 tons, doubling them implies ~513,633 tons by FY30. If EBITDA/ton rises to ~INR23,000 for the core business, incremental EBITDA from organic growth alone could touch INR3.8bn. Based on a blended bridge, volumes from the new portfolio and new avenues would need to deliver ~90,499 tons at an implied EBITDA/ton of INR42,269—more than 2x current levels. That would be challenging, but not implausible, especially with a ramp-up likely post-FY27. Even if the company lands shy of the summit—say at ~INR10bn EBITDA by FY30 (2x current levels)—the outcome would still mark a meaningful transformation. Given the current visibility, we maintain near-term estimates, but remain constructive on the long-term thesis.

Financial Statements

Income Statement (INR mn)

Year to March	FY24A	FY25A	FY26E	FY27E
Total operating income	37,944	42,237	45,193	48,357
Gross profit	12,164	13,381	14,326	15,474
Employee costs	2,755	3,025	3,237	3,431
Other expenses	4,787	5,513	5,342	5,568
EBITDA	4,622	4,842	5,747	6,475
Depreciation	998	1,103	1,206	1,332
Less: Interest expense	224	193	240	260
Add: Other income	355	258	120	140
Profit before tax	3,755	3,805	4,420	5,023
Prov for tax	740	755	884	1,005
Less: Other adj	0	0	0	0
Reported profit	3,015	3,049	3,536	4,019
Less: Excp.item (net)	0	0	0	0
Adjusted profit	3,015	3,049	3,536	4,019
Diluted shares o/s	35	35	35	35
Adjusted diluted EPS	85.0	86.0	99.8	113.4
DPS (INR)	22.0	22.0	23.0	24.0
Tax rate (%)	19.7	19.9	20.0	20.0

Important Ratios (%)

Year to March	FY24A	FY25A	FY26E	FY27E
Surfactant vol growth	(21.1)	7.8	0	0
Specialty vol growth	53.5	53.0	54.0	56.0
Avg realisation growth	57.1	62.1	64.0	66.0
EBITDA margin (%)	12.2	11.5	12.7	13.4
Net profit margin (%)	7.9	7.2	7.8	8.3
Revenue growth (% YoY)	(15.0)	11.3	7.0	7.0
EBITDA growth (% YoY)	(18.7)	4.8	18.7	12.7
Adj. profit growth (%)	(20.9)	1.1	16.0	13.6

Assumptions (%)

Year to March	FY24A	FY25A	FY26E	FY27E
GDP (YoY %)	5.8	6.3	6.3	6.3
Repo rate (%)	5.5	5.0	5.0	5.0
USD/INR (average)	78.0	77.0	77.0	77.0
Inventory days	63.2	61.2	61.0	58.0
Receivable days	47.4	53.9	57.0	64.0
Payable days	19.7	19.9	20.0	20.0

Valuation Metrics

Year to March	FY24A	FY25A	FY26E	FY27E
Diluted P/E (x)	29.3	28.9	25.0	22.0
Price/BV (x)	4.1	3.7	3.3	2.9
EV/EBITDA (x)	18.9	18.1	15.0	13.1
Dividend yield (%)	0.9	0.9	0.9	1.0

Source: Company and Nuvama estimates

Balance Sheet (INR mn)

Year to March	FY24A	FY25A	FY26E	FY27E
Share capital	355	355	355	355
Reserves	21,793	23,625	26,783	29,950
Shareholders funds	21,793	23,625	26,783	29,950
Minority interest	0	0	0	0
Borrowings	1,317	1,418	1,418	1,418
Trade payables	4,461	6,200	5,159	5,225
Other liabs & prov	1,007	2,655	2,342	2,347
Total liabilities	29,147	34,621	36,429	39,673
Net block	8,251	8,398	8,798	9,073
Intangible assets	74	64	53	41
Capital WIP	1,585	2,619	2,619	2,619
Total fixed assets	9,910	11,080	11,469	11,732
Non current inv	0	0	0	0
Cash/cash equivalent	2,393	2,158	3,713	4,681
Sundry debtors	5,931	6,865	7,924	8,744
Loans & advances	0	0	0	0
Other assets	8,696	11,913	10,669	11,813
Total assets	29,147	34,621	36,429	39,673

Free Cash Flow (INR mn)

Year to March	FY24A	FY25A	FY26E	FY27E
Reported profit	3,015	3,049	3,536	4,019
Add: Depreciation	998	1,103	1,206	1,332
Interest (net of tax)	224	193	240	260
Others	(61)	(214)	(362)	(44)
Less: Changes in WC	(885)	(785)	(852)	(1,892)
Operating cash flow	3,291	3,346	3,769	3,674
Less: Capex	(1,701)	(2,274)	(1,595)	(1,595)
Free cash flow	1,590	1,072	2,174	2,079

Key Ratios

Year to March	FY24A	FY25A	FY26E	FY27E
RoE (%)	14.8	13.4	14.0	14.2
RoCE (%)	17.8	16.6	17.5	17.7
Inventory days	85	81	82	78
Receivable days	58	55	60	63
Payable days	62	67	67	58
Working cap (% sales)	31.2	29.4	32.8	36.5
Gross debt/equity (x)	0.1	0.1	0.1	0
Net debt/equity (x)	0	0	(0.1)	(0.1)
Interest coverage (x)	16.2	19.4	18.9	19.8

Valuation Drivers

Year to March	FY24A	FY25A	FY26E	FY27E
EPS growth (%)	(20.9)	1.1	16.0	13.6
RoE (%)	14.8	13.4	14.0	14.2
EBITDA growth (%)	(18.7)	4.8	18.7	12.7
Payout ratio (%)	25.9	25.6	23.1	21.2

Exhibit 1: EBITDA/t of new portfolio/products to exceed INR40,000/ton

Existing Volumes (FY25) - TPA	2,56,816
Specialty Volumes - TPA	88,808
Performance Chemicals Volumes - TPA	1,68,008
Current EBITDA (INR mn)	4,842
Other income (INR mn)	258
EBITDA (inc OI INR mn)	5,100
Current EBITDA/t (FY25)	19,860
FY30 volumes (2x) - TPA	5,13,633
Target (2.5x EBITDA)	12751
EBITDA bridge	
Incremental EBITDA - Organic Business	3,825
Incremental EBITDA - New Portfolio	2,295
Incremental EBITDA- New avenues	1,530
Expected EBITDA/t of Organic (Nuvama estimate)	23,000
Implied Organic volumes (incremental)	1,66,317
Implied other volumes (new avenues and new products)	90,499
Implied EBITDA/of new avenues and new products	42,269

Source: Company, Nuvama Research

Management meet: Key takeaways

i) Strategic evolution: from legacy to leadership

- FY15–20 was a high-growth phase (8% volume CAGR), driven by capacity additions (Tri-K, Egypt and Jhagadia).
- FY20–25 moderated (3% volume CAGR) though RoCE remained strong, reflecting disciplined capital use.
- With Vision 2030, Galaxy aims to evolve from a dependable supplier to a category leader in the high-value beauty & wellness segment.

ii) Vision 2030: bold growth targets

1. FY30 targets:
 - **2x volumes** (implied 15% CAGR versus historical 6–8%).
 - **2.5x EBITDA.**
 - **22%-plus RoCE.**
2. Growth breakdown
 - **50%** from organic Rinse-Off categories.
 - **30%** from new portfolio (Leave-On).
 - **20%** from new avenues (M&A and partnerships).
3. EBITDA/ton guidance raised to **INR25,000**, up ~25% from current.
4. Capex – 50–60% of OCF.
5. In AMET, management anticipates a 10–12% volume CAGR over FY25–30.
6. In RoW, they expect a 10–12% volume CAGR during FY25–30.
7. In India, management expects an 8–10% volume CAGR over FY25–30.

iii) Five key growth levers

i) Premiumisation and market penetration

- Deeper push into **developed markets** with masstige and prestige SKUs.
- In emerging markets, value expansion to follow volume penetration.
- Volume growth to be a derivative of **higher-value mix**, not just scale.

ii) New applications and product expansion

- Expansion beyond Rinse-Off into **skin care, sun care and wellness** categories.
- Focus on **appearance-led wellness** (clean, clinical, natural and sustainable ingredients).
- Launch of **20 new products** over FY25–30 in green chemistry, tailor-made and mildness-focused categories.

iii) D2C and private label opportunity

- Increasing traction of private labels and celebrity-backed D2C brands in the US/EU aligns with Galaxy's strength in custom blends.
- Brand fragmentation supports a shift from MNC dependence to regional partnerships.

iv) Green and sustainable innovation

- Portfolio focus: bio-actives, vegan proteins and eco-safe surfactants.
- Recent launches include *Derma Green* and *PreBiotiv* targeting Leave-On categories.
- Among the few to meet stringent US norms (e.g. 1,4-Dioxane <1ppm).

v) Strategic expansion via partnerships

- Intent to pursue **JVs, EPC alliances** and selective M&A, especially in the Leave-On space.
- Acquisitions to complement innovation in high-value and bio-based actives.

Opportunity landscape

Personal care and beauty (~USD475bn, at a 5.7% CAGR)

- The **Leave-On** segment (skin care, sun care and colour cosmetics) is now larger than Rinse-Off, offering higher margins and growth potential.
- The **ingredient market** is ~USD42bn, with Galaxy addressing ~USD30bn via surfactants, emollients, emulsifiers, sun-care actives and green bio-actives.
- **Developed markets (US/EU)** represent ~50% of this, aligning with Galaxy's push into premium regions.
- The **appearance and wellness** sub-segment alone commands ~USD20bn and is a key focus: natural, clean and clinically active leave-on ingredients.

Home care (~USD191bn, at a 1.8% CAGR)

- Laundry remains dominant; newer segments such as **liquid detergents, pods and sheets** are growing in developed countries.
- Ingredients represent ~USD26bn of this, with surfactants comprising ~72%.
- A strategic shift is underway from **petro-based to oleo-based surfactants** and from powders to liquids—driving higher value per unit.

Rinse-Off to Leave-On transition

- Galaxy currently excels in Rinse-Off (bath, shower, hair and oral), but **Vision 2030** pivots toward **premium Leave-On categories**, leveraging custom blends and green chemistry.
- Given an R&D ramp-up and 20 products in the pipeline, the company is positioning itself to capture **new high-margin segments** across core and emerging geographies.

Other highlights

- In the next two years, specialty chemicals will be the primary growth driver for Galaxy Surfactants, especially in exports, with the current 60:40 domestic-to-export mix likely to tilt further towards exports.
- The company plans to launch 20 new products over FY25–30, focused on green chemistry, Leave-On applications, mildness and tailored solutions, with staged launches over 6–18 months depending on complexity and regulatory approvals. EBITDA growth will be back-ended, resembling a hockey-stick trajectory, with higher EBITDA/ton coming from premium Leave-On categories such as sun care, derma, anti-aging and moisturisers.
- Galaxy is well-recognised in the US and is strengthening its presence in Europe through a local subsidiary, given limited scalability with distributors. The company expects a 20% EBITDA CAGR over FY25–30, driven by a mix of new products, new geographies and higher-margin categories.
- Around 50–60% of operating cash flow would be reinvested in organic growth, with inorganic initiatives largely focused on the Leave-On space. Importantly, while the Leave-On product market is fragmented, the supplier base remains relatively consolidated—offering margin resilience.
- Organic growth shall continue to support the Rinse-Off business while demand for existing categories is likely to grow 6–8%, with India's recovery potentially skewing growth to the lower end of that band.

Company description

Galaxy Surfactants (GSL) is India's leading manufacturer of surfactants and other specialty ingredients for home & personal care (HPC). The company's products find application in a host of consumer-centric personal & home care products including skin care, oral care, hair care, cosmetic, toiletries and detergents. Since incorporation in 1986, GSL has expanded and diversified its product portfolio, client base and geographical footprint. The company's customers include some of the leading MNC, regional and local players in home & personal care industries. GSL's product portfolio comprises over 200 product grades, which are marketed to more than 1,750 customers in over 75 countries.

Investment theme

Galaxy Surfactants (GSL) is India's leading manufacturer of surfactants and other specialty ingredients for home & personal care (HPC). We believe: 1) a 200 plus product portfolio in fast-growing oleochemicals; 2) diversified geographical footprint & clientele including MNCs and regional players (creating strong entry barriers); and 3) leading presence in high growth potential markets of India & Africa, Middle East and Turkey (AMET), place GSL ideally to benefit from structural growth opportunity. Moreover, we envisage healthy return ratios (ROCE of 25% plus) coupled with robust earnings growth (13% CAGR over FY19-21E) to keep the valuation multiple high.

Key risks

- Absence of long-term raw material supply contracts.
- Significant dependence on top customers.
- Over dependence on single supplier.
- Foreign currency fluctuation.
- Discontinuation of export promotion scheme

Additional Data

Management

MD	U. Shekhar
ED & COO	Natarajan K. krishnan
CFO	Abhijit Damle
Whole-time Director	Vaijanath Kulkarni
Auditor	Deloitte Haskins & Sells LLP

Holdings – Top 10*

% Holding		% Holding	
Axis AMC	4.38	Dimensional Fun	0.36
Nippon Life	3.63	Bank of India I	0.29
ICICI Pru	2.91	Norges Bank	0.24
Emirate of Abu	1.35	Blackrock	0.17
Vanguard Group	1.08	Bajaj allianz I	0.16

*Latest public data

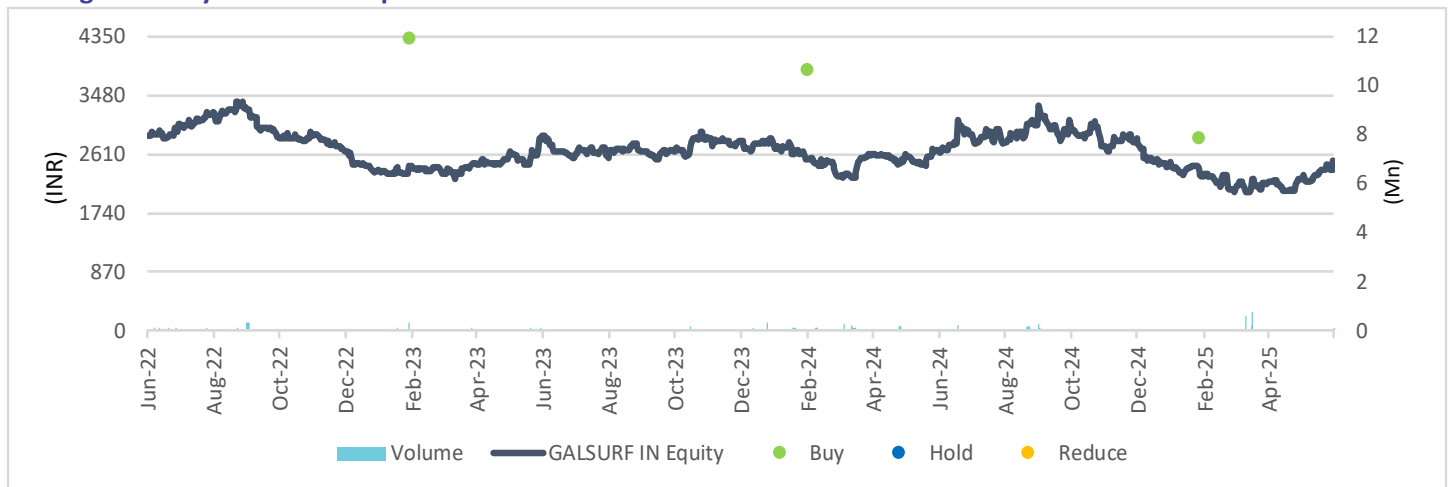
Recent Company Research

Date	Title	Price	Reco
19-May-25	Gradually moving towards growth; <i>Result Update</i>	2276	Buy
11-Feb-25	Specialty volumes hurt profitability; <i>Result Update</i>	2401	Buy
13-Nov-24	In-line performance; <i>Result Update</i>	2770	Buy

Recent Sector Research

Date	Name of Co./Sector	Title
29-May-25	Deepak Nitrite	Effervescence: One-off drives rebound; <i>Result Update</i>
27-May-25	Gujarat Fluorochemicals	Steady quarter; <i>Result Update</i>
20-May-25	PI Industries	Near-term growth plateaus; <i>Result Update</i>

Rating and Daily Volume Interpretation



Source: Bloomberg, Nuvama research

Rating Rationale & Distribution: Nuvama Research

Rating	Expected absolute returns over 12 months	Rating Distribution
Buy	15%	203
Hold	<15% and >-5%	62
Reduce	<-5%	37

DISCLAIMER

Nuvama Wealth Management Limited (defined as “NWML” or “Research Entity”) a company duly incorporated under the Companies Act, 1956 (CIN No L67110MH1993PLC344634) having its Registered office situated at 801- 804, Wing A, Building No. 3, Inspire BKC, G Block, Bandra Kurla Complex, Bandra East, Mumbai – 400 051 is regulated by the Securities and Exchange Board of India (“SEBI”) and is licensed to carry on the business of broking, Investment Adviser, Research Analyst and other related activities. Name of Compliance/Grievance officer: Mr. Atul Bapna, E-mail address: complianceofficer.nwm@nuvama.com Contact details +91 (22) 6623 3478 Investor Grievance e-mail address- grievance.nwm@nuvama.com

This Report has been prepared by NWML in the capacity of a Research Analyst having SEBI Registration No.INH000011316 and Enlistment no. 5723 with BSE and distributed as per SEBI (Research Analysts) Regulations 2014. This report does not constitute an offer or solicitation for the purchase or sale of any financial instrument or as an official confirmation of any transaction. Securities as defined in clause (h) of section 2 of the Securities Contracts (Regulation) Act, 1956 includes Financial Instruments and Currency Derivatives. The information contained herein is from publicly available data or other sources believed to be reliable. This report is provided for assistance only and is not intended to be and must not alone be taken as the basis for an investment decision. The user assumes the entire risk of any use made of this information. Each recipient of this report should make such investigation as it deems necessary to arrive at an independent evaluation of an investment in Securities referred to in this document (including the merits and risks involved), and should consult his own advisors to determine the merits and risks of such investment. The investment discussed or views expressed may not be suitable for all investors.

This information is strictly confidential and is being furnished to you solely for your information. This information should not be reproduced or redistributed or passed on directly or indirectly in any form to any other person or published, copied, in whole or in part, for any purpose. This report is not directed or intended for distribution to, or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject NWML and associates, subsidiaries / group companies to any registration or licensing requirements within such jurisdiction. The distribution of this report in certain jurisdictions may be restricted by law, and persons in whose possession this report comes, should observe, any such restrictions. The information given in this report is as of the date of this report and there can be no assurance that future results or events will be consistent with this information. This information is subject to change without any prior notice. NWML reserves the right to make modifications and alterations to this statement as may be required from time to time. NWML or any of its associates / group companies shall not be in any way responsible for any loss or damage that may arise to any person from any inadvertent error in the information contained in this report. NWML is committed to providing independent and transparent recommendation to its clients. Neither NWML nor any of its associates, group companies, directors, employees, agents or representatives shall be liable for any damages whether direct, indirect, special or consequential including loss of revenue or lost profits that may arise from or in connection with the use of the information. Our proprietary trading and investment businesses may make investment decisions that are inconsistent with the recommendations expressed herein. Past performance is not necessarily a guide to future performance. The disclosures of interest statements incorporated in this report are provided solely to enhance the transparency and should not be treated as endorsement of the views expressed in the report. The information provided in these reports remains, unless otherwise stated, the copyright of NWML. All layout, design, original artwork, concepts and other Intellectual Properties, remains the property and copyright of NWML and may not be used in any form or for any purpose whatsoever by any party without the express written permission of the copyright holders.

NWML shall not be liable for any delay or any other interruption which may occur in presenting the data due to any reason including network (Internet) reasons or snags in the system, break down of the system or any other equipment, server breakdown, maintenance shutdown, breakdown of communication services or inability of the NWML to present the data. In no event shall NWML be liable for any damages, including without limitation direct or indirect, special, incidental, or consequential damages, losses or expenses arising in connection with the data presented by the NWML through this report.

We offer our research services to clients as well as our prospects. Though this report is disseminated to all the customers simultaneously, not all customers may receive this report at the same time. We will not treat recipients as customers by virtue of their receiving this report.

NWML and its associates, officer, directors, and employees, research analyst (including relatives) worldwide may: (a) from time to time, have long or short positions in, and buy or sell the Securities, mentioned herein or (b) be engaged in any other transaction involving such Securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the subject company/company(ies) discussed herein or act as advisor or lender/borrower to such company(ies) or have other potential/material conflict of interest with respect to any recommendation and related information and opinions at the time of publication of research report or at the time of public appearance. (c) NWML may have proprietary long/short position in the above mentioned scrip(s) and therefore should be considered as interested. (d) The views provided herein are general in nature and do not consider risk appetite or investment objective of any particular investor; readers are requested to take independent professional advice before investing. This should not be construed as invitation or solicitation to do business with NWML (e) Registration granted by SEBI and certification from NISM in no way guarantee performance of NWML or provide any assurance of returns to investors and clients.

NWML or its associates may have received compensation from the subject company in the past 12 months. NWML or its associates may have managed or co-managed public offering of securities for the subject company in the past 12 months. NWML or its associates may have received compensation for investment banking or merchant banking or brokerage services from the subject company in the past 12 months. NWML or its associates may have received any compensation for products or services other than investment banking or merchant banking or brokerage services from the subject company in the past 12 months. NWML or its associates have not received any compensation or other benefits from the Subject Company or third party in connection with the research report. Research analyst or his/her relative or NWML's associates may have financial interest in the subject company. NWML and/or its Group Companies, their Directors, affiliates and/or employees may have interests/ positions, financial or otherwise in the Securities/Currencies and other investment products mentioned in this report. NWML, its associates, research analyst and his/her relative may have other potential/material conflict of interest with respect to any recommendation and related information and opinions at the time of publication of research report or at the time of public appearance.

Participants in foreign exchange transactions may incur risks arising from several factors, including the following: (i) exchange rates can be volatile and are subject to large fluctuations; (ii) the value of currencies may be affected by numerous market factors, including world and national economic, political and regulatory events, events in equity and debt markets and changes in interest rates; and (iii) currencies may be subject to devaluation or government imposed exchange controls which could affect the value of the currency. Investors in securities such as ADRs and Currency Derivatives, whose values are affected by the currency of an underlying security, effectively assume currency risk.

Research analyst has served as an officer, director or employee of subject Company: No

NWML has financial interest in the subject companies: No

NWML's Associates may have actual / beneficial ownership of 1% or more securities of the subject company at the end of the month immediately preceding the date of publication of research report.

Research analyst or his/her relative has actual/beneficial ownership of 1% or more securities of the subject company at the end of the month immediately preceding the date of publication of research report: No

NWML has actual/beneficial ownership of 1% or more securities of the subject company at the end of the month immediately preceding the date of publication of research report: No

Subject company may have been client during twelve months preceding the date of distribution of the research report.

There were no instances of non-compliance by NWML on any matter related to the capital markets, resulting in significant and material disciplinary action during the last three years. A graph of daily closing prices of the securities is also available at www.nseindia.com

GALAXY SURFACTANTS

Analyst Certification:

The analyst for this report certifies that all of the views expressed in this report accurately reflect his or her personal views about the subject company or companies and its or their securities, and no part of his or her compensation was, is or will be, directly or indirectly related to specific recommendations or views expressed in this report.

Additional Disclaimers

Disclaimer for U.S. Persons

This research report is a product of NWML, which is the employer of the research analyst(s) who has prepared the research report. The research analyst(s) preparing the research report is/are resident outside the United States (U.S.) and are not associated persons of any U.S. regulated broker-dealer and therefore the analyst(s) is/are not subject to supervision by a U.S. broker-dealer, and is/are not required to satisfy the regulatory licensing requirements of FINRA or required to otherwise comply with U.S. rules or regulations regarding, among other things, communications with a subject company, public appearances and trading securities held by a research analyst account.

This report is intended for distribution by NWML only to "Major Institutional Investors" as defined by Rule 15a-6(b)(4) of the U.S. Securities and Exchange Act, 1934 (the Exchange Act) and interpretations thereof by U.S. Securities and Exchange Commission (SEC) in reliance on Rule 15a 6(a)(2). If the recipient of this report is not a Major Institutional Investor as specified above, then it should not act upon this report and return the same to the sender. Further, this report may not be copied, duplicated and/or transmitted onward to any U.S. person, which is not the Major Institutional Investor.

In reliance on the exemption from registration provided by Rule 15a-6 of the Exchange Act and interpretations thereof by the SEC in order to conduct certain business with Major Institutional Investors, NWML has entered into an agreement with a U.S. registered broker-dealer, Nuvama Financial Services Inc. (formerly Edelweiss Financial Services Inc.) ("NFSI"). Transactions in securities discussed in this research report should be effected through NFSI.

Disclaimer for U.K. Persons

The contents of this research report have not been approved by an authorised person within the meaning of the Financial Services and Markets Act 2000 ("FSMA").

In the United Kingdom, this research report is being distributed only to and is directed only at (a) persons who have professional experience in matters relating to investments falling within Article 19(5) of the FSMA (Financial Promotion) Order 2005 (the "Order"); (b) persons falling within Article 49(2)(a) to (d) of the Order (including high net worth companies and unincorporated associations); and (c) any other persons to whom it may otherwise lawfully be communicated (all such persons together being referred to as "relevant persons").

This research report must not be acted on or relied on by persons who are not relevant persons. Any investment or investment activity to which this research report relates is available only to relevant persons and will be engaged in only with relevant persons. Any person who is not a relevant person should not act or rely on this research report or any of its contents. This research report must not be distributed, published, reproduced or disclosed (in whole or in part) by recipients to any other person.

Disclaimer for Canadian Persons

This research report is a product of NWML, which is the employer of the research analysts who have prepared the research report. The research analysts preparing the research report are resident outside the Canada and are not associated persons of any Canadian registered adviser and/or dealer and, therefore, the analysts are not subject to supervision by a Canadian registered adviser and/or dealer, and are not required to satisfy the regulatory licensing requirements of the Ontario Securities Commission, other Canadian provincial securities regulators, the Investment Industry Regulatory Organization of Canada and are not required to otherwise comply with Canadian rules or regulations regarding, among other things, the research analysts' business or relationship with a subject company or trading of securities by a research analyst.

This report is intended for distribution by NWML only to "Permitted Clients" (as defined in National Instrument 31-103 ("NI 31-103")) who are resident in the Province of Ontario, Canada (an "Ontario Permitted Client"). If the recipient of this report is not an Ontario Permitted Client, as specified above, then the recipient should not act upon this report and should return the report to the sender. Further, this report may not be copied, duplicated and/or transmitted onward to any Canadian person.

NWML is relying on an exemption from the adviser and/or dealer registration requirements under NI 31-103 available to certain international advisers and/or dealers. Please be advised that (i) NWML is not registered in the Province of Ontario to trade in securities nor is it registered in the Province of Ontario to provide advice with respect to securities; (ii) NWML's head office or principal place of business is located in India; (iii) all or substantially all of NWML's assets may be situated outside of Canada; (iv) there may be difficulty enforcing legal rights against NWML because of the above; and (v) the name and address of the NWML's agent for service of process in the Province of Ontario is: Bamac Services Inc., 181 Bay Street, Suite 2100, Toronto, Ontario M5J 2T3 Canada.

Disclaimer for Singapore Persons

In Singapore, this report is being distributed by Nuvama Investment Advisors Private Limited (NIAPL) (Previously Edelweiss Investment Advisors Private Limited ("EIAPL")) (Co. Reg. No. 201016306H) which is a holder of a capital markets services license and an exempt financial adviser in Singapore and (ii) solely to persons who qualify as "institutional investors" or "accredited investors" as defined in section 4A(1) of the Securities and Futures Act, Chapter 289 of Singapore ("the SFA"). Pursuant to regulations 33, 34, 35 and 36 of the Financial Advisers Regulations ("FAR"), sections 25, 27 and 36 of the Financial Advisers Act, Chapter 110 of Singapore shall not apply to NIAPL when providing any financial advisory services to an accredited investor (as defined in regulation 36 of the FAR. Persons in Singapore should contact NIAPL in respect of any matter arising from, or in connection with this publication/communication. This report is not suitable for private investors.

Disclaimer for Hong Kong persons

This report is distributed in Hong Kong by Nuvama Investment Advisors (Hong Kong) Private Limited (NIAHK) (Previously Edelweiss Securities (Hong Kong) Private Limited (ESHK)), a licensed corporation (BOM -874) licensed and regulated by the Hong Kong Securities and Futures Commission (SFC) pursuant to Section 116(1) of the Securities and Futures Ordinance "SFO". This report is intended for distribution only to "Professional Investors" as defined in Part I of Schedule 1 to SFO. Any investment or investment activity to which this document relates is only available to professional investor and will be engaged only with professional investors." Nothing here is an offer or solicitation of these securities, products and services in any jurisdiction where their offer or sale is not qualified or exempt from registration. The report also does not constitute a personal recommendation or take into account the particular investment objectives, financial situations, or needs of any individual recipients. The Indian Analyst(s) who compile this report is/are not located in Hong Kong and is/are not licensed to carry on regulated activities in Hong Kong and does not / do not hold themselves out as being able to do so.

INVESTMENT IN SECURITIES MARKET ARE SUBJECT TO MARKET RISKS. READ ALL THE RELATED DOCUMENTS CAREFULLY BEFORE INVESTING.

Abneesh Roy

Head of Research Committee

Abneesh.Roy@nuvama.com
