Morgan Stanley

February 2, 2010

Stock Rating
Overweight
Industry View
In-Line

The Dow Chemical Company

Solid Q4 '09 Driven by Both Volume and Price

Reiterate Overweight rating. Dow is the best positioned US chemical company to benefit from an economic recovery, in our view, with 11% revenue CAGR leveraged into ~100% EPS CAGR between 2009 and 2012. Consensus forecasts appear ~15% light.

Upside in Q4 '09 driven by volume and price: Dow reported a strong Q4 '09 with EPS of \$0.18 exceeding our forecast (\$0.11 which was in line with consensus) by 60%. Upside was driven by revenue upside (+3.6%, \$12.5bn versus MSe of \$12.0bn) with both strong volume gains (+10% versus MSe of +3%) and lower price declines (-6% versus MSe of -10%). Group EBITDA margins were broadly in line with our expectations at 11.8% and the tax rate was better than expected due to higher sales in emerging markets and better than anticipated equity earnings from JVs.

Basic Plastics strength offsets Performance
Systems weakness: Basic plastics revenue and
EBITDA beat our expectations by 12% and 22%
respectively, while performance systems EBITDA
missed our expectations by 30%, driven by weaker than
anticipated margins. This business has historically been
seasonal and recovery in the automotive market failed to
offset the seasonality of this business. Our basic
plastics forecasts assume margins decline throughout
2010 as capacity additions in the Middle East come
online. Equity income from JVs exceeded our
expectations, which is consistent with our investment
thesis that consensus forecasts are too conservative for
non core businesses such as Dow Corning and Equate.
See Exhibit 1 and 2 on page 2 for Actuals vs. Estimates

Conference Call at 10:00 am EST: The dial in number is +1 719-325-4754. Investors will likely focus on cost cutting and

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Key Ratios and Statistics

Reuters: DOW.N Bloomberg: DOW US US Chemicals / United States of America

Price target	\$43.00
Shr price, close (Feb 1, 2010)	\$28.63
Mkt cap, curr (mm)	\$26,709
52-Week Range	\$31.65-5.89

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Exhibit 1
Actuals vs. Estimates – Segment Breakdown

			MS
	4Q09A	variance	4Q09E
Electronic & Specialty Mate	rials		
Revenue	1,223.0	(30.6)	1,254
EBITDA	402.0	(17.6)	420
Margin (%)	32.9	-0.6	33.5
Coating & Infrastructure			
Revenue	1,178.0	117.5	1,061
EBITDA	108.0	(40.5)	148
Margin (%)	9.2	-4.8	14.0
Health and Agro			
Revenue	1,076.0	248.0	828
EBITDA	69.0	85.6	(17)
Margin (%)	6.4	8.4	-2.0
Perf. Systems			
Revenue	1,577.0	(4.1)	1,581
EBITDA	153.0	(60.4)	213
Margin (%)	9.7	-3.8	13.5
Perf. Products			
Revenue	2,604.0	198.1	2,406
EBITDA	304.0	27.3	277
Margin (%)	11.7	0.2	11.5
Basic Plastics			
Revenue	2,889.0	320.20	2,569
EBITDA	613.0	112.1	501
Margin (%)	21.2	1.7	19.5
Basic Chemicals			
Revenue	728.0	160.1	568
EBITDA	14.0	2.6	11
Margin (%)	1.9	-0.1	2.0
Hydrocarbon			
Revenue	1,134.0	(46.5)	1,181
EBITDA	-	-	-
Margin (%)	-	-	0.0
Corporate			
Revenue	57.0	(495.0)	552
EBITDA	(195.0)	(45.0)	(150)

Source: Company data, Morgan Stanley Research

Exhibit 2
Actuals vs. Estimates – Corporate Total

			MS	Cons.
	4Q09	variance	4Q09E	4Q09E
Total Company				
Revenue	12,466.0	467.6	11,998	11,997
Growth (%)	-3.2	3.6	-6.8	-6.8
Gross Profit	2,217.0	(7.6)	2,225	
Margin (%)	17.8	-0.8	18.5	
EBITDA	1,467.0	63.1	1,404	1,422
Margin (%)	11.8	0.1	11.7	11.9
EBIT	663.0	(2.4)	665	707
Margin (%)	5.3	-0.2	5.5	5.9
Interest	(392.0)	2.0	(394)	(422)
PBT	271.0	(0.4)	271	285
Tax Rate (%)	18.6	-6.4	25.0	
Adjusted Net Income	202.9	85.21	118	169.7
Diluted EPS	\$0.18	\$0.07	\$0.11	\$0.12

Source: Company data, Morgan Stanley Research

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Company Description

The Dow Chemical Company is a diversified, vertically integrated chemical company that provides a wide range of products including chemical, plastic, coating, and agricultural products and services. Pro forma for its acquisition of Rohm and Haas, the Group has 2008 sales of \$67 bn and EBITDA of \$7 bn.

US Chemicals/United States of America

Industry View: In-Line

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Morgan Stanley ModelWare is a proprietary analytic framework that helps clients uncover value, adjusting for distortions and ambiguities created by local accounting regulations. For example, ModelWare EPS adjusts for one-time events, capitalizes operating leases (where their use is significant), and converts inventory from LIFO costing to a FIFO basis. ModelWare also emphasizes the separation of operating performance of a company from its financing for a more complete view of how a company generates earnings.

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Performance Polymers Inc., The Dow Chemical Company.

Nemours & Co., Kraton Performance Polymers Inc., The Dow Chemical Company.

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(as of January 31, 2010)

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	Coverage U	niverse	Investment	Banking Clie	ents (IBC)
_		% of		% of 9	6 of Rating
Stock Rating Category	Count	Total	Count	Total IBC	Category
Overweight/Buy	999	40%	296	41%	30%
Equal-weight/Hold	1088	43%	333	46%	31%
Not-Rated/Hold	21	1%	4	1%	19%
Underweight/Sell	396	16%	90	12%	23%
Total	2,504		723		

Data include common stock and ADRs currently assigned ratings. An investor's decision to buy or sell a stock should depend on individual circumstances (such as the investor's existing holdings) and other considerations. Investment Banking Clients are companies from whom Morgan Stanley or an affiliate received investment banking compensation in the last 12 months.

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Overweight (O). The stock's total return is expected to exceed the average total return of the analyst's industry (or industry team's) coverage universe, on a risk-adjusted basis, over the next 12-18 months.

Equal-weight (E). The stock's total return is expected to be in line with the average total return of the analyst's industry (or industry team's) coverage

universe, on a risk-adjusted basis, over the next 12-18 months.

Not-Rated (NR). Currently the analyst does not have adequate conviction about the stock's total return relative to the average total return of the

analyst's industry (or industry team's) coverage universe, on a risk-adjusted basis, over the next 12-18 months.

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Unless otherwise specified, the time frame for price targets included in Morgan Stanley Research is 12 to 18 months.

Analyst Industry Views

Attractive (A): The analyst expects the performance of his or her industry coverage universe over the next 12-18 months to be attractive vs. the relevant broad market benchmark, as indicated below.

In-Line (I): The analyst expects the performance of his or her industry coverage universe over the next 12-18 months to be in line with the relevant

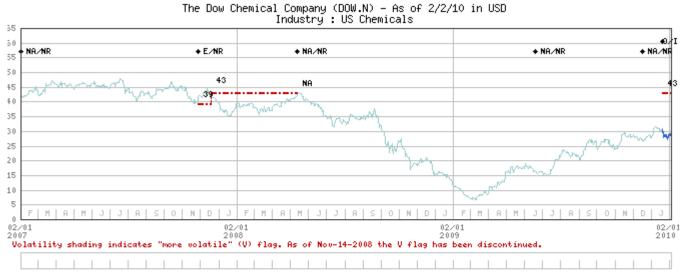
broad market benchmark, as indicated below.

Cautious (C): The analyst views the performance of his or her industry coverage universe over the next 12-18 months with caution vs. the relevant

broad market benchmark, as indicated below.

Benchmarks for each region are as follows: North America - S&P 500; Latin America - relevant MSCI country index or MSCI Latin America Index; Europe - MSCI Europe; Japan - TOPIX; Asia - relevant MSCI country index.

Stock Price, Price Target and Rating History (See Rating Definitions)



Stock Rating History: 2/1/07 : NA/NR; 11/27/07 : E/NR; 5/12/08 : NA/NR; 6/19/09 : NA/NR; 12/17/09 : NA/NR; 1/20/10 : 0/I

Price Target History: 11/27/07: 39; 12/19/07: 43; 5/12/08: NA; 1/20/10: 43

Date Format : MM/DD/YY No Price Target Assigned (NA) Source: Morgan Stanley Research Price Target -- Stock Price (Covered by Current Analyst) Stock Price (Not Covered by Current Analyst) = Stock and Industry Ratings (abbreviations below) appear as ♦ Stock Rating/Industry View Stock Ratings: Overweight (O) Equal-weight (E) Underweight (U) Not-Rated (NR) More Volatile (V) No Rating Available (NA) Industry View: Attractive (A) In-line (I) Cautious (C)

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Industry Coverage: US Chemicals

Company (Ticker)	Rating (as of) Price* (02/01/2010)	
Paul Mann, CFA		
E.I. DuPont de Nemours & Co. (DD.N)	E (01/20/2010)	\$33.66
Kraton Performance Polymers Inc. (KRA.N)	O (01/26/2010)	\$13.84
The Dow Chemical Company (DOW.N)	O (01/20/2010)	\$28.63

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* Historical prices are not split adjusted.