



# Commodity Price Outlook Q3'2024



Strictly Confidential

# Commodity Price Outlook – Q3'2024

## 1. Base Chemicals

		Price Trend and Outlook (USD/MT)									
Commodity	Region	2021	2022	2023	2021/22	2022/23	Q1'24	Q2'24	Change%	Q3'24F	QoQ*
Ethylene Contract	US	912	858	666	-6%	-23%	585	639	9%	~660	3%
	Europe	1,296	1,490	1,308	15%	-13%	1,448	1,351	-7%	1,320-1,330	-2%
	Asia	1,001	1,060	900	6%	-15%	950	1,000	5%	~970	-3%
Propylene Contract	Europe	1,277	1,464	1,180	15%	-20%	1,452	1,228	-15%	~1,240	1%
	Asia	983	997	865	1%	-13%	889	838	-6%	~850	1%
Butadiene Contract	US	1,458	1,626	842	12%	-48%	811	1,091	35%	~1,140	4%
	Europe	1,186	1,314	914	11%	-30%	1,161	1,418	22%	~1,360	-4%
	Asia	873	1,019	879	17%	-15%	907	1,008	11%	~1,030	2%
Benzene Contract	US	969	1,186	1,076	22%	-12%	1,158	1,211	5%	~1,180	-3%
	Europe	1,020	1,125	999	10%	-14%	1,104	1,291	17%	~1,280	-1%
	Asia	933	1,107	909	19%	-19%	1,008	1,058	5%	~1,050	-1%
Toluene Spot	Europe	755	1,225	1,083	62%	-12%	1,003	1,048	4%	~1,070	2%
	Asia	876	1,108	1,023	27%	-8%	1,120	1,060	-5%	~1,040	-2%
Caustic Soda Contract	US	532	824	508	55%	-39%	358	375	5%	~390	3%
	Asia	384	618	387	61%	-37%	362	393	9%	~410	4%
Chlorine Contract	US	389	799	893	106%	12%	809	854	6%	~880	3%
	Europe	270	395	404	46%	3%	408	405	-1%	400-410	0%
Bromine Spot	Asia	7,164	7,923	3,747	11%	-53%	3,040	2,964	-2%	~2,990	1%
Soda Ash	Asia	345	501	463	45%	-8%	431	435	1%	~420	-3%

## 2. Specialty Chemicals

		Price Trend and Outlook (USD/MT)									
Commodity	Region	2021	2022	2023	2021/22	2022/23	Q1'24	Q2'24	Change%	Q3'24F	QoQ*
Lithium Carbonate	US	11,802	49,909	46,215	323%	-7%	15,625	14,717	-6%	~13,980	-5%
	Europe	11,658	50,045	45,385	329%	-9%	15,417	13,947	-10%	~14,230	2%
	Asia	13,313	53,000	45,950	298%	-13%	15,125	13,650	-10%	~13,790	1%
Lithium Hydroxide	US	13,969	52,159	49,358	273%	-5%	15,292	14,317	-6%	~14,030	-2%
	Europe	13,263	53,136	48,924	301%	-8%	15,500	14,139	-9%	~14,280	1%
	Asia	14,500	53,182	48,035	267%	-10%	15,167	13,875	-9%	~13,740	-1%
Titanium Dioxide	Asia China	3,152	2,751	2,350	-13%	-15%	2,350	2,279	-3%	~2,230	-2%
	Asia India	3,885	3,720	3,032	-4%	-19%	2,993	3,047	2%	~3,050	0%
Acrylic Acid	US	2,041	1,988	1,694	-3%	-15%	1,643	1,670	2%	~1,670	0%
	Europe	2,258	2,294	1,928	2%	-16%	1,715	1,742	2%	~1,760	1%
	Asia	1,936	1,671	1,031	-14%	-38%	956	1,014	6%	~1,000	-1%
Acrylonitrile	US	2,180	1,815	1,315	-17%	-28%	1,370	1,451	6%	~1,450	0%
	Europe	2,177	1,741	1,283	-20%	-26%	1,298	1,453	12%	~1,470	1%
	Asia	2,258	1,695	1,337	-25%	-21%	1,252	1,295	3%	~1,280	-1%
Zirconium Silicate 64.5%	Asia	2,520	2,890	2,315	15%	-20%	2,282	2,242	-2%	~2,180	-3%

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## 3. Agricultural Chemicals

		Price Trend and Outlook (USD/MT)									
Commodity	Region	2021	2022	2023	2021/22	2022/23	Q1'24	Q2'24	Change%	Q3'24F	QoQ*
Potassium	US	469	666	361	128%	-46%	318	299	-6%	~300	-1%
	Europe	229	490	385	5%	-22%	279	273	-2%	~270	-1%
	Asia	244	547	430	0%	-21%	307	307	0%	~300	-1%
Ammonia	US	744	1,276	647	121%	-49%	602	569	-5%	~550	-3%
	Europe	623	1,265	534	150%	-58%	478	463	-3%	~460	-1%
	Asia	564	968	479	102%	-51%	353	338	-4%	~330	-4%
Urea	US	483	603	351	112%	-42%	351	303	-14%	~300	-3%
	Europe	486	586	322	112%	-45%	293	270	-8%	~270	-1%
	Asia	380	410	368	52%	-10%	344	338	-2%	~330	-3%
Phosphoric Acid	Asia	1,045	1,278	1,153	29%	-10%	1,061	1,091	3%	~1,050	-4%
Diammonium Phosphate	US	641	844	628	85%	-26%	661	650	-2%	~630	-3%
	Europe	650	953	678	84%	-29%	647	644	0%	~640	-1%
	Asia	499	585	552	53%	-6%	553	539	-2%	~570	5%
Monoammonium Phosphate	US	621	781	600	92%	-23%	620	615	-1%	~600	-3%
	Europe	621	781	600	100%	-23%	620	615	-1%	~610	-1%
Sulfur	US	628	867	536	197%	-38%	518	527	2%	~530	-1%
	Europe	176	264	94	83%	-64%	70	75	8%	70-80	-1%
	Asia	175	292	117	150%	-60%	103	113	9%	~110	-1%

## 4. Agricultural Commodities and Derivatives

		Price Trend and Outlook (USD/MT)									
Commodity	Region	2021	2022	2023	2021/22	2022/23	Q1'24	Q2'24	Change%	Q3'24F	QoQ*
Corn	Europe	282	335	248	19%	-26%	200	227	14%	220-230	-1%
	Asia	411	415	377	1%	-9%	331	334	1%	~330	-1%
Corn Starch	US	-	-	399	-	-	397	391	-2%	~380	-2%
Wheat	Europe	288	361	260	25%	-28%	218	247	-1%	~250	0%
Rice	Asia	412	403	350	-2%	-13%	345	342	9%	340-350	1%
Barley	Australia	185	228	212	23%	-7%	194	212	-4%	~210	-2%
Oats USD/BU	US	4.9	5.4	3.9	10%	-29%	4	4	-4%	~ 4	-1%
Soybean	Asia	666	775	638	16%	-18%	517	519	-1%	~520	0%

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## 5. Base Metals and Steel Products

		Price Trend and Outlook (USD/MT)									
Commodity	Region	2021	2022	2023	2021/22	2022/23	Q1'24	Q2'24	Change%	Q3'24F	QoQ*
Stainless Steel	Asia	2,834	2,746	2,254	-5%	-18%	2,041	2,023	-1%	~2,000	-1%
	Europe	2,702	2,710	2,264	0%	-17%	2,199	2,528	15%	~2,500	-1%
Aluminum	Asia	2,868	2,797	2,616	-2%	-7%	2,635	2,856	8%	~2,880	1%
	Europe	56,547	63,917	34,144	13%	-46%	28,422	27,460	-3%	~26,910	-2%
Copper	Europe	9,544	8,839	8,507	-7%	-4%	8,431	9,775	16%	~10,070	3%
	Asia	9,771	9,386	9,537	-4%	1%	9,580	11,044	15%	11,480-11,490	4%
Iron Ore	US	137	121	119	-12%	-2%	124	111	-10%	~110	0%
Lead	Europe	2,330	2,153	2,132	-8%	-1%	2,077	2,166	4%	~2,140	-1%
	Asia	2,149	2,141	2,205	0%	3%	2,238	2,475	11%	~2,500	1%
Nickel	Europe	19,465	26,176	21,474	34%	-18%	16,647	18,567	12%	~18,570	0%
Tin	Europe	36,714	31,396	25,932	-14%	-18%	26,228	32,209	23%	~32,210	0%
Zinc	Europe	3,177	3,487	2,661	10%	-24%	2,447	2,827	16%	~2,970	5%
	Asia	3,227	3,493	3,020	8%	-14%	2,897	3,226	11%	~3,320	3%
Hot Rolled Coil	US	1,302	878	807	-33%	-8%	767	782	2%	~780	0%
	Europe	1,175	989	776	-16%	-22%	785	686	2%	680-690	0%
	Asia	828	661	570	-20%	-14%	547	524	-13%	~510	-3%
CR Sheet	Asia	931	735	656	-21%	-11%	640	592	-4%	570-570	-3%
Galvanized Sheet	Asia	1,125	867	723	-23%	-17%	712	665	-7%	~660	-1%
Steel Plate	Asia 20mm	832	683	589	-18%	-14%	562	533	-7%	510-520	-3%
HR Stainless Plate	Asia 6.0 x 1500mm	2,634	2,693	2,262	2%	-16%	2,004	2,028	-5%	~2,010	-1%
Rebar	Asia 25mm	852	724	615	-15%	-15%	588	569	1%	~550	-3%
Pig Iron	Asia L10	782	658	566	-16%	-14%	557	532	-3%	510-520	-3%

## 6. Rare Metals, Oxides, Alloys

		Price Trend and Outlook (USD/MT)									
Commodity	Region	2021	2022	2023	2021/22	2022/23	Q1'24	Q2'24	Change%	Q3'24F	QoQ*
Neodymium	Asia Metal	120,573	165,203	96,084	37%	-42%	67,493	65,853	-2%	~65,850	0%
	Asia Oxide	97,486	134,217	78,928	38%	-41%	54,404	53,475	-2%	53,470-53,480	0%
Praseodymium	Asia Metal	124,574	168,815	100,822	36%	-40%	75,927	73,081	-4%	~73,081	0%
	Asia Oxide	92,914	127,279	76,272	37%	-40%	54,734	53,600	-2%	~53,600	0%
Dysprosium	Asia Metal	524,000	498,417	428,500	-5%	-14%	345,667	345,667	0%	~349,120	1%
	Asia Oxide	409,750	381,667	330,083	-7%	-14%	278,000	271,333	-2%	~274,050	1%
Praseodymium-Neodymium	Asia Alloy	113,499	152,216	92,087	34%	-40%	65,798	65,211	-1%	~65,210	0%
	Asia Oxide	91,693	124,139	75,537	35%	-39%	53,124	52,622	-1%	~52,620	0%
	Asia Dyspros	57,607	55,283	52,497	-4%	-5%	51,675	51,309	-1%	~51,310	0%

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## 7. Solar Metals

		Price Trend and Outlook (USD/MT)									
Commodity	Region	2021	2022	2023	2021/22	2022/23	Q1'24	Q2'24	Change%	Q3'24F	QoQ*
Cadmium	US	2,690	3,467	4,499	29%	30%	4,468	4,703	5%	~4,750	1%
	Europe	2,682	3,364	4,350	25%	29%	4,255	4,505	6%	~4,550	1%
	Asia	2,741	3,268	4,365	19%	34%	4,393	4,762	8%	~4,855-4,865	2%
Tellurium	US	69,160	62,121	73,387	-10%	18%	75,043	79,023	5%	~79,810	1%
	Europe	81,643	68,945	80,260	-16%	16%	78,223	82,460	5%	~83,300	1%
	Asia	218,774	242,331	239,458	11%	-1%	237,547	292,900	23%	~298,800	2%
Indium	US	218,149	237,019	239,000	9%	1%	247,547	303,410	23%	~309,500	2%
	Europe	209,156	221,134	236,598	6%	7%	265,897	342,973	29%	~349,800	2%
	Asia	336,085	414,838	304,472	23%	-27%	394,620	418,323	6%	~435,100	4%
Gallium	Asia	18,442	20,027	20,823	9%	4%	20,474	20,753	1%	~20,960	1%
Selenium	US	18,324	20,163	21,548	10%	7%	20,672	20,973	1%	~21,180	1%
	Europe	18,425	20,431	21,510	11%	5%	20,283	20,444	1%	~20,650	1%
	Asia	2,690	3,467	4,499	29%	30%	4,468	4,703	5%	~4,750	1%

## 8. Industrial Products and Solvents

		Price Trend and Outlook (USD/MT)									
Commodity	Region	2021	2022	2023	2021/22	2022/23	Q1'24	Q2'24	Change%	Q3'24F	QoQ*
Rubber	Asia Natural	1,948	1,824	1,787	-6%	-2%	1,908	2,014	6%	2,010-2,020	0%
	Asia RSS3	188	180	158	-4%	-12%	208	226	9%	220-230	0%
Phenol	Europe	1,776	1,797	1,353	16%	-26%	1,003	1,015	1%	1,030-1,040	2%
	Asia	1,188	1,374	1,015	1%	-25%	1,505	1,373	-9%	~1,390	1%
Acetone	US	1,430	978	1,172	-15%	3%	987	1,055	7%	1,050-1,060	0%
	Asia	1,005	851	880	-32%	20%	1,300	1,210	-7%	~1,210	0%

## 9. Oil & Gas

		Price Trend and Outlook (USD/MT)									
Commodity	Region	2021	2022	2023	2021/22	2022/23	Q1'24	Q2'24	Change%	Q3'24F	QoQ*
Crude Oil USD/BBL	US	76	98	82	29%	-16%	81	84	4%	~86	2%
	Europe	74	94	78	28%	-17%	77	80	4%	~81	1%
Natural Gas USD/MMBTU	US	4.6	6.5	2.8	42%	-58%	2.0	2.5	23%	~3	5%
Naphtha	Asia	716	775	656	8%	-15%	668	641	-4%	~660	3%
Ethanol	Europe	829	1,079	847	30%	-22%	689	759	10%	~760	0%
Biodiesel	Global	1,758	1,900	1,248	8%	-34%	1,194	1,251	5%	~1,250	0%

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## 10. Plastics

Commodity	Region	Price Trend and Outlook (USD/MT)									
		2021	2022	2023	2021/22	2022/23	Q1'24	Q2'24	Change%	Q3'24F	QoQ*
HDPE Film Spot	Europe	1,857	1,606	1,214	-13%	-24%	1,280	1,155	-10%	~1,130	-2%
	Asia	1,252	1,279	1,065	2%	-17%	1,050	1,033	-2%	~1,000	-3%
LDPE Film Spot	US	1,797	1,371	989	-24%	-28%	1,070	1,067	0%	1,050-1,060	-1%
	Europe	2,165	1,790	1,210	-17%	-32%	1,333	1,203	-10%	1,160-1,170	-3%
	Asia	1,558	1,457	1,063	-6%	-27%	1,160	1,203	4%	~1,240	3%
LLDPE Film Spot	US	1,550	1,310	949	-15%	-28%	1,022	1,012	-1%	~1,000	-1%
	Europe	1,891	1,632	1,197	-14%	-27%	1,269	1,085	-14%	1,060-1,070	-2%
	Asia	1,206	1,277	1,041	6%	-18%	993	990	0%	~1,010	2%
PP	US	2,429	1,613	1,100	-34%	-32%	1,055	1,140	8%	1,110-1,120	-2%
	Europe	1,960	1,640	1,210	-16%	-26%	1,337	1,212	-9%	1,160-1,170	-4%
	Asia	1,441	1,280	1,043	-11%	-19%	1,060	1,063	0%	~1,040	-2%
PET Bottle Grade	US	1,604	2,003	1,300	25%	-35%	1,298	1,407	8%	1,405-1,415	0%
	Europe	1,488	1,636	1,199	10%	-27%	1,254	1,125	-10%	1,130-1,140	1%
SBR Spot	Asia	2,041	1,792	1,677	-12%	-6%	1,791	1,939	8%	2,030-2,040	5%
Epoxy Resin Contract	US	7,266	8,561	5,741	18%	-33%	4,556	4,619	1%	4,660-4,670	1%
	Europe	5,825	5,555	2,874	-5%	-48%	2,426	2,467	2%	~2,490	1%
	Asia Spot	4,211	2,939	1,918	-30%	-35%	1,798	1,754	-2%	1,750-1,760	0%
Epichlorohydrin	Asia Spot	2,250	2,139	1,181	-5%	-45%	1,165	1,018	-13%	~1,010	-1%
	Asia Contract	2,226	2,136	1,174	-4%	-45%	1,125	1,035	-8%	1,020-1,030	-1%
Expanded Polystyrene (EPS) Contract	France	2,642	2,986	2,406	13%	-19%	2,426	2,492	3%	~2,490	0%
	UK	2,648	2,990	2,406	13%	-20%	2,432	2,495	3%	2,490-2,500	0%
Polycarbonate	Asia	3,820	2,951	2,281	-23%	-23%	2,427	2,492	3%	~2,490	0%
PA 66 Fiber Contract	US	6,761	8,262	8,554	22%	4%	2,427	2,492	3%	~2,490	0%
	Europe	6,114	7,446	7,744	22%	4%	2,228	2,273	2%	~2,270	0%
	Asia PA6	2,634	2,513	2,300	-5%	-8%	2,627	2,833	1%	~2,860	1%
	US PA6	3,175	4,153	2,884	31%	-31%	2,958	3,142	-2%	3,170-3,180	1%
PA Resin Contract	US PA66	3,811	4,410	3,402	16%	-23%	2,946	3,315	-3%	~3,380	2%
	Europe PA6	3,137	3,773	2,859	20%	-24%	3,694	3,872	8%	~3,950	2%
	Europe PA66	5,036	5,252	3,810	24%	-13%	2,077	2,205	6%	2,225-2,235	1%
Polystyrene Contract	US	2,003	2,491	2,179	4%	-10%	1,811	1,933	13%	~1,930	0%
	Europe	2,195	2,288	2,109	12%	-18%	1,907	1,990	5%	~1,990	0%
	Asia	1,535	1,462	1,213	-5%	-17%	1,234	1,300	6%	~1,310	1%

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## 11. Vinyls

		Price Trend and Outlook (USD/MT)									
Commodity	Region	2021	2022	2023	2021/22	2022/23	Q1'24	Q2'24	Change%	Q3'24F	QoQ*
PVC Suspension	US	1,729	1,229	761	-29%	-38%	755	790	5%	~830	5%
	Europe	1,741	1,748	1,077	0%	-38%	936	857	-8%	850-860	0%
	Asia	1,399	1,065	823	-24%	-23%	793	797	0%	790-800	0%
Vinyl Chloride Monomer (VCM)	US	1,470	930	495	-37%	-47%	477	498	5%	520-530	5%
	Europe	1,151	1,163	768	1%	-34%	675	635	-6%	630-640	0%
	Asia	1,185	891	664	-25%	-25%	602	613	2%	610-620	0%
Ethylene Dichloride (EDC)	US	736	596	249	-31%	-43%	345	280	-19%	280-290	1%
	Europe	742	695	317	-6%	-54%	350	262	-25%	~260	-1%
	Asia	748	516	295	-19%	-58%	280	232	-17%	220-230	-2%

## 12. Aromatics and Strenics

		Price Trend and Outlook (USD/MT)									
Commodity	Region	2021	2022	2023	2021/22	2022/23	Q1'24	Q2'24	Change%	Q3'24F	QoQ*
Methanol	US	317	288	232	6%	-15%	296	299	1%	290-300	-1%
	Europe	409	378	309	-8%	-18%	319	315	-1%	~320	1%
	China	318	335	284	-9%	-19%	269	265	-2%	~270	1%
Mixed Xylene	US	679	1,130	987	44%	-9%	957	1,018	6%	~1,020	0%
	Europe	750	1,191	1,026	59%	-14%	1,067	1,010	-5%	~1,000	-1%
	Asia	735	1,057	966	66%	-13%	998	918	-8%	930-940	2%
Styrene Monomer	US	1,332	1,413	1,078	0%	-11%	1,117	1,183	6%	1,190-1,200	1%
	Europe	1,460	1,493	1,142	2%	-24%	1,457	1,322	-9%	~1,320	0%
	China	1,182	1,176	1,045	6%	-24%	1,367	1,308	-4%	~1,320	1%
Paraxylene	US	914	1,250	1,114	26%	-5%	1,038	1,047	1%	1,040-1,050	0%
	Europe	882	1,265	1,180	43%	-7%	1,145	1,133	-1%	~1,120	-1%
	Asia	870	1,095	1,046	37%	-11%	1,105	1,112	1%	1,130-1,140	2%
Ortho-xylene	Europe	932	1,445	1,408	37%	-4%	1,052	1,125	7%	1,120-1,130	0%
	Asia	830	1,136	1,094	55%	-3%	1,392	1,393	0%	~1,380	-1%
High Impact Polystyrene (HIPS)	Europe	2,199	2,431	2,013	-13%	-11%	1,343	1,463	9%	~1,480	1%
	Asia	1,699	1,483	1,321	11%	-17%	2,015	1,952	-3%	~1,950	0%
General Purpose Polystyrene (GPPS)	Europe	2,071	2,305	1,894	-2%	-13%	1,250	1,367	9%	~1,380	1%
	China	1,445	1,413	1,230	11%	-18%	1,343	1,463	-3%	~1,480	1%
Acrylonitrile-Butadiene-Styrene (ABS)	Europe	2,937	2,926	2,170	-28%	-20%	2,015	1,952	11%	~1,950	0%
	Asia	2,348	1,679	1,340	0%	-26%	1,250	1,367	-1%	~1,380	1%

# Commodity Price Outlook – Q3'2024

## 13. Softs and Oilseeds

### Price Trend and Outlook (USD/MT)

Commodity	Region	2021	2022	2023	2021/22	2022/23	Q1'24	Q2'24	Change%	Q3'24F	QoQ*
Sugar	US	1,398	1,646	2,033	18%	23%	2,229	2,229	0%	~2,250	1%
	China	883	880	987	0%	12%	983	942	-4%	~950	1%
Coffee	US	1,420	1,646	2,029	16%	23%	2,727	3,588	32%	~3,660	2%
Cocoa	US	2,412	2,366	3,348	-2%	42%	6,732	8,473	26%	8,470-8,480	0%
Cotton	US	2,058	2,443	1,837	19%	-25%	2,058	1,690	-18%	1,700-1,710	1%
	Asia	2,736	2,620	2,227	-4%	-15%	2,232	2,060	-8%	~2,040	-1%
Palm Oil	Asia Crude	258	269	185.2	4%	-31%	179	181	1%	~170	-1%
	Asia Refined	1,127	1,263	875.4	12%	-31%	880	881	0%	~870	-1%
Palm Olefin	Asia Refined	1,131	1,272	884.0	12%	-30%	878	887	1%	~880	-1%
Palm Stearin	Asia Refined	1,101	1,214	840.0	10%	-31%	874	896	3%	~890	-1%
Palm Kernel Oil	Asia Crude	697	689	416.4	-1%	-40%	423	501	18%	490-495	-1%
	Asia Refined	1,423	1,491	857.0	5%	-43%	913	1,072	17%	~1,060	-1%
Coconut Oil	Asia	1,648	1,640	1,074.0	0%	-35%	1,194	1,410	18%	1,390-1,400	-1%
Lauric Acid	Asia	1,688	1,563	917.7	-7%	-41%	1,014	1,211	19%	~1,200	-1%



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