

6. Breakdown of the demand for chlorides (for fiscal 2017)

(Unit: ton)

	Hydrochloric acid (at 35%)			Liquid chlorine (at 100%)	Sodium hypochlorite (at 12%)
	Synthetic	By-product	Total		
Paper & pulp	32,507	31,845	64,352	29,289	69,718
Chemical fibers	956	605	1,561		6,341
Dyeing & finishing	515	4	519		9,788
Alumina			-		116
Foods	39,497	14,312	53,809	287	23,573
Petroleum refining	6,803	11,752	18,555		4,053
Cellophane		633	633		1,062
Chemical industry	521,094	591,065	1,112,159	423,581	331,315
Inorganic Chemicals	73,878	91,745	165,623	50,127	35,691
Sodium hypochlorite	0	38	38	25,018	4,562
Other inorganic chemicals	73,878	91,707	165,585	25,109	31,129
Organic chemicals & petrochemicals	6,310	153,595	159,905	194,944	12,994
Dyes & intermediates	12,774	27,162	39,936	17,387	956
Soaps & detergents	1,103	15	1,118		31,545
Electrolysis soda	172,139	140,356	312,495	133	16,784
Plastics	2,851	16,192	19,043	68,739	1,546
High strength bleach	471		471	338	
Other chemical applications	251,568	162,000	413,568	91,913	231,799
Nonferrous metals	13,761	28,952	42,713	9,563	7,774
Electrical/electronic	62,588	52,409	114,997	774	9,626
Pharmaceuticals	14,993	8,250	23,243	2,559	4,672
Iron & steel	30,526	32,208	62,734	365	22,939
Agrochemicals	3,245	1,524	4,769	11,657	5,344
Electricity	8,494	3,383	11,877		2,815
Water supply	943	1,466	2,409	6,556	157,759
Water/Wastewater treatment	14,927	62,170	77,097	386	52,550
Others	47,773	139,730	187,503	9,255	249,889
Total	798,622	980,308	1,778,930	494,271	959,334