

Supplementary Information

Title: Case Studies for Dangerous Dust Explosions in South Korea during Recent Years

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SI.1. Detailed information of dust explosions in the United States (2016–2017)

Cause	2016	2017	Total	Ratio (%)
Food products	11	48	59	34
Wood products	8	37	45	26
Metal	3	12	15	9
Plastic	0	0	0	0
Coal	3	0	3	2
Paper	0	7	7	4
Inorganic	0	0	0	0
Others	6	41	47	27
Total	31	145	176	100

SI.2. Analysis of dust explosions from equipment (2016–2017)

Equipment	2016	2017	Total	Ratio (%)
Dust collector	6	24	30	17
Storage Silo	2	20	22	13
Hopper	3	0	3	2
Bag house	2	0	2	1
Elevator/Conveyor	3	12	15	9
Other storage	0	13	13	7
Others	4	32	36	20
No detail	11	44	55	31
Total	31	145	176	100