

Fatal accidents in chemical products in Japan in 1991-2020

chemical products industry Code No.0108

Type of fatal accidents in chemical products in 1991-2020

Type of accidents	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
fall from height	4	4	3	7	4	3	4	5	3	0	2	1	3	3	5	3	3	6	2	2	2	4	2	2	1	2	1	0	4	1
falling to same level	0	0	2	0	0	1	1	0	1	0	0	1	1	1	1	2	0	1	0	0	0	2	0	0	2	1	0	1	1	1
crash	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
struck by flying or falling object	1	2	0	2	2	1	0	2	3	1	3	2	1	4	2	2	1	2	1	0	0	1	2	0	0	1	0	0	1	0
collapse	2	0	1	1	5	2	1	0	1	1	1	1	0	0	1	1	2	1	0	1	0	1	2	0	0	0	0	2	0	0
crashed by	1	2	0	1	4	0	3	0	1	0	0	0	0	2	0	0	2	2	0	0	0	0	0	1	2	0	0	0	0	0
caught in/between	8	14	11	8	9	20	14	10	11	13	7	11	13	5	9	11	5	10	7	5	7	3	4	3	10	3	2	4	2	4
cut	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
injury to the sole of the foot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
drown	2	1	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	9	0	0	0	0	1	0	1	0	0
contact to high/low-temperature	1	0	0	0	0	0	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	2	0	0
contact to harmful substance	4	3	0	3	3	3	3	3	3	2	5	1	1	2	1	4	0	3	1	2	1	2	0	2	1	2	1	2	1	1
electric shock	1	3	0	1	1	0	0	1	0	1	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0
explosion	2	4	5	10	0	5	4	4	2	5	0	1	0	2	1	1	0	1	6	1	1	1	2	3	0	0	1	4	2	1
burst	1	1	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
fire	2	0	0	3	0	1	2	1	1	0	1	0	1	1	0	1	2	0	0	0	0	3	0	0	1	0	2	0	0	2
traffic accident (public road)	3	0	2	4	3	3	1	3	0	1	1	4	2	1	0	0	1	1	1	0	2	0	2	0	1	0	2	0	1	0
traffic accident (others)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
reaction to motion/improper motion	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
others	1	0	1	0	2	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	2	0	0
unclassifiable	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0
total	33	34	25	42	35	39	34	30	28	26	24	22	25	22	22	25	17	28	19	11	22	17	17	11	22	12	11	18	12	10





January	0	2	4	3	5	3	2	2	1	3	4	0	5	0	2	4	2	2	1	1	2	1	1	4	2	1	1	2	2	1
February	1	4	2	1	2	2	1	2	3	2	2	2	1	1	0	2	1	3	1	1	2	4	2	0	1	0	1	1	0	0
March	1	3	2	8	3	3	2	2	6	2	2	6	0	3	2	1	1	1	0	2	9	4	1	0	2	1	1	2	0	0
April	2	1	1	3	3	5	3	1	0	1	1	2	3	5	2	3	0	6	2	0	1	1	0	0	0	1	0	3	0	2
May	5	4	2	3	2	6	1	3	3	1	1	0	0	0	1	0	0	1	0	2	2	1	2	1	5	2	2	0	2	0
June	2	3	3	3	3	4	3	2	3	7	0	2	2	3	1	2	2	1	2	1	0	0	1	1	0	2	0	2	2	1
July	6	1	2	4	1	3	5	3	1	3	2	1	1	2	1	5	0	0	3	0	0	0	1	1	2	1	0	3	1	0
August	5	1	1	3	5	0	2	2	4	1	3	3	3	1	5	3	1	2	1	0	0	1	1	1	1	2	1	1	1	1
September	3	6	1	4	5	4	4	1	1	3	3	0	4	1	3	0	5	3	1	0	2	1	3	1	3	2	2	0	3	2
October	3	1	3	1	2	5	5	1	2	0	3	2	3	2	2	2	1	4	0	2	1	0	3	1	4	0	1	2	0	1
November	0	4	2	3	1	3	4	8	2	1	2	3	1	0	1	0	3	1	4	1	2	3	2	1	1	0	1	1	0	0
December	5	4	2	6	3	1	2	3	2	2	1	1	2	4	2	3	1	4	4	1	1	1	0	0	1	0	1	1	1	2
total	33	34	25	42	35	39	34	30	28	26	24	22	25	22	22	25	17	28	19	11	22	17	17	11	22	12	11	18	12	10

Prefecture of fatal accidents in chemical products in 1991-2020

Prefecture	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Hokkaido	0	0	2	0	1	0	1	1	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Aomori	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iwate	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0
Miyagi	0	1	0	1	1	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	7	0	0	0	2	0	0	0	0	0
Akita	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	2	0	0	0	0	0	0	0	0	0
Yamagata	0	2	0	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Fukushima	2	0	1	1	1	0	1	0	0	1	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Ibaraki	1	3	3	0	2	0	0	1	2	1	2	0	1	2	2	0	1	3	2	1	0	2	2	0	0	0	0	0	0	0
Tochigi	0	1	0	0	1	1	2	0	1	0	1	0	0	1	0	1	0	0	3	0	0	1	0	1	1	0	0	0	0	1
Gunma	1	0	0	1	0	2	1	1	1	7	2	1	0	0	0	2	1	0	0	0	1	0	2	0	1	0	2	0	0	1
Saitama	1	4	0	4	3	3	5	2	0	0	1	0	1	1	0	1	1	0	0	2	0	0	3	1	1	2	0	0	0	0
Chiba	3	3	1	3	1	0	1	2	1	1	1	1	2	0	0	1	4	3	1	3	0	0	5	1	2	1	1	0	1	1
Tokyo	2	1	2	7	1	0	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0
Kanagawa	0	3	1	1	1	4	0	1	0	0	3	0	2	1	1	0	2	1	0	0	1	3	1	0	0	0	2	2	1	0
Niigata	0	1	0	1	0	1	0	3	1	1	0	1	2	1	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Toyama	1	0	0	0	1	2	0	1	1	2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	2	0	0	2	0
Ishikawa	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Fukui	0	0	0	0	0	3	0	1	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	2	0	0
Yamanashi	1	1	0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0
Nagano	0	0	0	2	1	2	0	0	1	1	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0
Gifu	0	0	1	0	2	1	1	0	1	1	2	2	0	1	2	0	0	1	1	0	0	1	0	0	2	1	0	0	0	0

Shizuoka	1	0	1	1	2	2	1	3	0	1	1	0	1	1	1	2	1	2	0	0	2	0	0	0	0	1	2	0	0		
Aichi	4	0	2	4	3	3	3	4	0	2	2	1	3	0	3	3	2	2	2	0	0	3	1	1	0	0	3	1	0	3	
Mie	0	3	2	0	1	1	1	0	1	0	0	0	2	1	1	0	0	0	3	0	2	0	0	4	0	0	1	0	0	0	
Shiga	3	0	0	1	0	0	1	0	0	1	0	0	1	1	2	3	0	1	0	0	0	1	0	0	0	0	0	0	1	0	
Kyoto	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	
Osaka	3	2	1	2	4	2	2	2	2	2	1	1	2	3	0	2	1	3	5	1	3	1	1	0	1	1	1	2	3	1	
Hyogo	3	2	3	6	6	4	3	0	2	0	3	1	3	0	2	1	1	1	0	1	1	0	1	2	1	1	0	0	1	1	
Nara	2	1	0	0	0	0	0	1	3	1	0	0	0	1	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	
Wakayama	0	0	0	1	0	0	0	1	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	
Tottori	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Shimane	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
Okayama	2	0	0	1	0	1	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
Hiroshima	0	0	0	0	0	4	1	0	0	0	0	1	0	2	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Yamaguchi	1	1	1	0	0	0	1	1	0	1	0	2	1	0	1	1	0	0	0	0	1	1	0	0	2	0	0	0	0	1	
Tokushima	0	0	1	1	0	0	1	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
Kagawa	1	1	0	1	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	1	1	0	0	0	
Ehime	0	1	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
Kochi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
Fukuoka	1	0	0	1	1	2	2	1	2	0	0	1	1	2	0	2	1	4	0	1	0	0	0	3	0	0	3	0	0	0	
Saga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Nagasaki	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Kumamoto	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
Oita	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
Miyazaki	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Kagoshima	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Okinawa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
total	33	34	25	42	35	39	34	30	28	26	24	22	25	22	22	25	17	28	19	11	22	17	17	11	22	12	11	18	12	10	

Data sources: <https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm> (MHLW, Japan)

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