painting products industry Code No.010808

Type of accidents in painting products in 1999-2021

Type of accidents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Type of accidents
fall from height	10	8	6	10	10	6	8	7	8	6	5	3	3	8	3	7	7	6	2	7	6	2	4	142	fall from height
falling to same level	8	10	6	5	7	4	5	6	7	4	5	8	4	6	7	7	3	5	15	5	11	11	7	156	falling to same
crash			1	2	4	2	1	2	2	3	2	1	3		2	1	2	2		4	4	6	2	46	crash
struck by flying or falling object	2	2	5	1	2	2	3	1	1	5	4	3	2	2	2	1				4	1		3	46	struck by flying or falling object
collapse		1		1	1		1	1		1	2			1					1	1	1			12	collapse
crashed by	2	2	1	3	2	1	4	2	2	3	1	1	2	1			1	3	2	2	2	2	4	43	crashed by
caught in/between	19	18	14	11	17	14	12	17	8	11	10	12	12	6	5	12	16	12	7	7	10	7	12	269	caught in/between
cut	2	1	8	3	4	3	3	6	3	1	2	2		2		1	1	2			2	2		48	cut
injury to the sole of the foot				1																				1	injury to the sole of the foot
drown																									drown
contact to high/low- temperature	3	3		4	1		2	1	1	1	2	1	1	1	1	1			1	2	3		4	33	contact to high/low- temperature

contact to harmful substance	2	2	2	3	1	1	2	3	4	1	4	3		2	1	2	4	2	1		2	1	6	49	contact to harmful substance
electric shock	1																							1	electric shock
explosion		2			1	1		1						3										8	explosion
burst																				1				1	burst
fire				1					1									2					1	5	fire
traffic accident (public road)	2	2		1							1	1		1		1	2	1	1					13	traffic accident (public road)
traffic accident (others)																									traffic accident (others)
reaction to motion/improper motion	3	8	7	6	4	8	7	6	9	7	3	7	8	5	3	4	2	3	4	7	6	10	10		reaction to motion/improper motion
others																					1		9	10	others
unclassifiable				1			1		1						1					1				5	unclassifiable
total	54	59	50	53	54	42	49	53	47	43	41	42	35	38	25	37	38	38	34	41	49	41	62	1,025	total

Causal agents (large) of fatal and non-fatal accidents in painting products in 1999-2021

Causal (L) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Causal (L)
Cadsar (L) agents		2000	2001	2002	2003	2004	2003	2000	2007	2000	2003	2010	2011	2012	2013	2014	2013	2010	2017	2010	2017	2020	2021	totai	agents
machine	19	15	17	12	13	7	8	15	7	5	10	9	7	5	6	7	10	7	5	7	7	7	11	216	machine
crane, conveying																									crane,

machine	4	4	3	8	4	13	6	3	4	6	3	2	6	2		5	5	8	3	2	3	4	4	102	conveying
macrime																									machine
other equipment	12	9	7	6	9	5	12	5	11	9	8	7	5	11	9	11	7	11	7	8	14	4	8	195	other
other equipment							12				6												6		equipment
tomporary buildings																									temporary
temporary buildings, establishments	12	10	8	9	12	4	10	10	10	9	8	13	5	8	3	5	6	5	7	8	11	14	12	199	buildings,
establishments																									establishments
substance, material	3	9	5	10	2	3	5	9	5	3	5	4	2	3	1	6	4	4	1	2	5	2	8	101	substance,
substance, material																									material
load	3	7	9	4	9	5	2	7	6	6	5	5	7	5	1	2	4	2	4	9	6	5	7	120	load
environment		1		1	1				1	2		1	1	2	1	1			3	3	2		1	21	environment
others	1	4	1	3	4	5	6	4	3	3	2	1	2	2	4		2	1	4	2	1	5	11	71	others
total	54	59	50	53	54	42	49	53	47	43	41	42	35	38	25	37	38	38	34	41	49	41	62	1,025	total

Causal agents (middle) of fatal and non-fatal accidents in painting products in 1999-2021

Causal (M) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Causal (M) agents
engine																									engine
power transmission mechanism	1	2	1				1		1			3		1	1	2	2	1				2	1	19	power transmission mechanism
woodworking machine			2						1					1							1			5	woodworking machine

construction machine				1							1													2	construction
						<u> </u>																			machine
metal manufacturing																									metal
machine		5	1					3							1				1		1			12	manufacturing
																									machine
general machine	18	8	13	11	13	7	7	12	5	5	9	6	7	3	4	5	8	6	4	7	5	5	10	178	general
																									machine
mobile silviculture																									mobile
machine																									silviculture
																									machine
crane						2	1			1			1				1				1			7	crane
convoying machine	2	2	3	7	3	11	5	3	4	5	2	1	5	1		5	3	7	2	2	2	3	3	81	conveying
conveying machine		2	3	,		' '		3	4	3	2					3	٥		_	2	_	3	٥	01	machine
vehicle	2	2		1	1						1	1		1			1	1	1			1	1	14	vehicle
pressure vessel	2		2								1													5	pressure vessel
chemical facilities		2							1										1					8	chemical
chemical facilities		2							I										I				2		facilities
																									welding
welding equipment																									equipment
kiln, caldron											1													1	kiln, caldron
																									electric
electric equipment											1													1	equipment
human power machine,																								4.7	human power
tools		1	2	1	2	1	6	1	3	6	2	3	3	1	1	1	2	3	2	1	3		2	47	machine, tools

tools	9	3	2	4	5	4	3	1	6	3	2	2	1	4	5	6	5	6	3	7	9	4	2	96	tools
other equipments,	1	3	1	1	2		2	2	1		1	2	1	6	3	4		2	1		2		2	37	other equipments, facilities
temporary buildings, establishments	12	10	8	9	12	4	10	10	10	9	8	13	5	8	3	5	6	5	7	8	11	14	12	199	temporary buildings, establishments
hazards, harmful substances	2	8	2	8	2	2	3	4	5	2	4	3	1	2	1	2	4	4	1		3	1	7	71	hazards, harmful substances
materials	1	1	3	2		1	2	5		1	1	1	1	1		4				2	2	1	1	30	materials
load	3	7	9	4	9	5	2	7	6	6	5	5	7	5	1	2	4	2	4	9	6	5	7	120	load
natural environment		1		1	1				1	2		1	1	2	1	1			3	3	2		1	21	natural environment
other causal agent	1	1			2		1	1						1	2			1					9	19	other causal agent
no causal agent		3	1	2	2	5	4	3	3	3	2	1	2	1	2		1		3	2	1	5	2	48	no causal agent
unclassifiable				1			1										1		1					4	unclassifiable
total	54	59	50	53	54	42	49	53	47	43	41	42	35	38	25	37	38	38	34	41	49	41	62	1,025	total

Causal agents (small) of fatal and non-fatal accidents in painting products in 1999-2021

Causal (S) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Causal (S) agents

engine																		engine
power transmission mechanism		1		1	1		3	1	1	2	2	1			2	1	16	power transmission mechanism
circular sawing machine		2			1			1						1			5	circular sawing machine
band sawing machine																		band sawing machine
wood planer machine																		wood planer machine
hollow chisel mortiser, wood borer																		hollow chisel mortiser, wood borer
chamfering machine, router, woodworking milling machine																		chamfering machine, router, woodworking milling machine
chain saw																		chain saw
other woodworking machines																		other woodworking machines
leveling, transporting or loading machine						1												leveling, transporting or loading machine
excavating machine																		excavating machine
foundation work machine																		foundation work machine

[L]	L	لـــــا	L		ا	الـ	ا	<u> </u>	ـــــاا	JL	لـــــا		JL	الـ		ا	<u> </u>	ـــــاا	<u> </u>	ال		]
hardening machine																						hardening machine
demolition machine																						demolition machine
vehicle for high lift																						vehicle for high lift
work																						work
other construction																						other construction
machines																						machines
lathe																						lathe
drill press, milling																						drill press, milling
machine																						machine
grinding machine,																1					1	grinding machine,
buffing machine																					<u> </u>	buffing machine
power press						1												1			2	power press
forging pressure																						forging pressure
hammer																						hammer
shearing machine																						shearing machine
other metal																						other metal
manufacturing		1				2						1									4	manufacturing
machines																						machines
centrifugal machine																						centrifugal machine
mixer, grinder		4		6	2	3	3	2	4	1			1	3	2	1	3	2	1	3	41	mixer, grinder
roll machine (except																						roll machine (excep
printingroll		2		3	1	3			1	2	1	1	1	2	2		2	1	1	1	24	printingroll
machine)																						machine)
injection molding																						injection molding

machine							1								1						2	machine
food manufacturing																						food manufacturing machine
printing machine		2	1				1		1												5	printing machine
industrial robot																						industrial robot
other general power machines		5	3	4	6	2	1	4	2	6	3	3	3	3	1	3	2	2	3	6	62	other general power machines
felling machine																						felling machine
mobile logging machine																						mobile logging machine
skyline yarding machine																						skyline yarding machine
other mobile																						other mobile
silviculture machine																						silviculture machine
crane										1				1							2	crane
mobile crane																						mobile crane
derrick crane																						derrick crane
elevator, lift																		1			1	elevator, lift
cargo lifting appliance																						cargo lifting appliance
gondola																						gondola
lumberyard																						lumberyard
equipment, logging																						equipment, logging

cableway																					cableway
simple skyline yarding equipment																					simple skyline yarding equipment
other powered crane				1			1													2	other powered crane
truck		1		1		1		1					1	1		1				7	truck
forklift		2	2	3	3	3	3	1	1	4	1	2	1	4	2	1	1	3	2	39	forklift
railway equipment																					railway equipment
conveyor			1	1			1			1		1	1	1			1			8	conveyor
loader																					loader
straddle carrier																					straddle carrier
rough terrain hauler																					rough terrain hauler
other powered conveying machines							1					2		1					1	5	other powered conveying machines
cars, bus, motorcycle			1					1	1		1		1	1	1			1	1	9	cars, bus, motorcycle
railway vehicle																					railway vehicle
other vehicles																					other vehicles
boiler								1												1	boiler
pressure vessel																					pressure vessel
other pressure vessels		2																		2	other pressure vessels
chemical facilities				1	1	1									1				2	6	chemical facilities

gas welding																						gas welding
equipment																						equipment
arc welding																						arc welding
equipment																						equipment
other welding																						other welding
equipment																						equipment
kiln, caldron																						kiln, caldron
industrial dryer								1													1	industrial dryer
other kiln, caldron																						other kiln, caldron
transmission								1													1	transmission
electric power																						electric power
facilities																						facilities
other electrical																						other electrical
equipment																						equipment
human power																				1	1	human power
cranes																				Ľ	<u> </u>	cranes
human power		2	1	3			1		2	2			1	1	1	2		2		1	19	human power
hauling equipment																				Ľ		hauling equipment
human power						2									1						3	human power
machine																						machine
hand tool			1	3	1	1	5	2	1	1	1	1		1	1		1	1			21	hand tool
ladder		1	3	1	1	3	2	1	1	1	3	3	5	4	2	1	5	4	1	1	43	ladder
slinging tool				1		2															3	slinging tool
other tools		1	2	1		1	1	1	1		1	2	1	1	4	2	2	5	3	1	30	other tools

other equipment,		1	2	2	2	1		1	2	1	6	3	4		2	1		2		2	32	other equipment,
scaffolding							1														1	scaffolding
timbering																						timbering
stairs, landing stage		3	4	4	3	3	2	1			3		1	3	2	1	1	2	4	2	39	stairs, landing stage
opening			1						1			1									3	opening
roof, beam, haze, crossbeam, principal rafter			1	2															1		4	roof, beam, haze, crossbeam, principal rafter
working platform, boot board		1	2	1	2		2	2	1	2	2				1			1	2	1	20	working platform, boot board
passage		4	2	3	4	5	1	3	5	1		1	3	2	1	4	5	7	7	6	64	passage
building, establishment			1			1	1	2	3	2	3	1		1			1			1	17	building, establishment
other temporary buildings, establishments			1		1	1	2		3				1		1	2	1	1		2	16	other temporary buildings, establishments
explosive substance								1													1	explosive substance
inflammable substance						1									2					2	5	inflammable substance
inflammable gas																				1	1	inflammable gas
harmful substance		2	1	2	2	2	1	1	2				2	3				1		3	22	harmful substance
radiation																						radiation
other hazards,																						other hazards,

harmful substances			1	1	2	2	1	2	1	1	2	1		1	2	1		2	1	1	22	harmful substances
metal material		2		1	3		1	1		1			2				1	2	1	1	16	metal material
lumber, bamboo											1										1	lumber, bamboo
stone, sand, substance																						stone, sand, substance
other materials		1		1	2				1				2				1				8	other materials
load		9	9	1	7	6	6	3	3	7	5	1	2	3	2	4	9	6	5	7	95	load
machine/equipment as load				1				2	2					1							6	machine/equipment as load
natural ground, rock																1					1	natural ground,
standing tree																		1			1	standing tree
water																						water
abnormal environment																	1				1	abnormal environment
high/cold temperature environment			1				1		1		1						2	1		1	8	high/cold temperature environment
other environments						1	1			1	1	1	1			2					8	other environments
other causal agent			2	1	1						1	2			1					9	17	other causal agent
no causal agent		1	2	4	3	3	3	2	1	2	1	2		1		3	2	1	5	2	38	no causal agent
unclassifiable				1										1		1					3	unclassifiable
total		50	54	49	53	47	43	41	42	35	38	25	37	38	38	34	41	49	41	62	817	total

## Workers age of fatal and non-fatal accidents in painting products in 1999-2021

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Age
19 years old or less	1	1		2	1	2	1	2		1				1		2		1		1	1		1	18	19 years old or less
20-29	8	7	11	7	13	7	9	13	8	6	6	5	5	7	4	11	10	7	4	12	10	11	12	193	20-29
30-39	11	18	11	11	12	13	8	16	13	10	17	9	11	8	9	9	9	8	6	4	12	7	15	247	30-39
40-49	13	10	9	11	8	9	8	10	8	10	5	15	9	7	4	6	9	9	8	13	13	7	13	214	40-49
50-59	17	17	14	16	18	9	14	8	15	9	10	7	8	10	5	4	6	8	10	7	9	10	13	244	50-59
60 years old or more	4	6	5	6	2	2	9	4	3	7	3	6	2	5	3	5	4	5	6	4	4	6	8	109	60 years old or more
total	54	59	50	53	54	42	49	53	47	43	41	42	35	38	25	37	38	38	34	41	49	41	62	1,025	total

Workers' number of workplace of fatal and non-fatal accidents in painting products in 1999-2021

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Workers scale
9 workers or less	5	9	5	5	7	6	2	8	8	5		5	4	3	3	5	1	5	5	1	2	1	2	97	9 workers or less
10-29	12	12	13	11	12	11	14	10	7	13	9	11	12	12	2	5	10	10	5	7	7	9	21	235	10-29
30-49	10	6	13	14	10	9	9	8	7	11	5	9	5	7	4	6	5	4	2	8	8	9	13	182	30-49
50-99	12	10	5	13	8	8	11	7	6	5	17	8	10	7	7	9	13	6	9	11	16	11	12	221	50-99
100-299	12	16	7	9	13	8	8	14	11	8	8	6	4	8	8	7	6	13	12	13	15	10	11	227	100-299
300 workers or	3	6	7	1	4		5	6	8	1	2	3		1	1	5	3		1	1	1	1	3	63	300 workers or
more				•						•									•	•		•			more

total	54	59	50	53	54	42	49	53	47	43	41	42	35	38	25	37	38	38	34	41	49	41	62	1,025	total
totai	∥ ' '				-	'-	' -		' '	'-	' ' '	'-			23	37			∥	∥	' '	l	-	',023	totai

Month of fatal and non-fatal accidents in painting products in 1999-2021

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Month
January	4	5	6	4	5	1	3	8	1	4	3	1	3	2	3	5	4	1	4	2		4	4	77	January
February	5	5	5	5	6		2	2	3	3	1	2	5	4	1	2	3	3	2	3	3	4	2	71	February
March	4	6	5	10	3	6	4	7	6	4	2	10	4	3	2	6	4	7	4	3	5	4	6	115	March
April	6	5	3	3	4	6	2	8	3	3	1	5	2	3	2	1	2	8	2	4	5	1	3	82	April
May	5	2	4	4	7	7	2	2	7	5	3	5	2	3	3	2	4	3	3	3	6	4	7	93	May
June	5	8	9	4	6	4	9	1	1	3	8	5	3	6	1	3	1	2	6	4	8	7	7	111	June
July	6	5	3	4	1	1	1	4	6	5	5	4		2	5	5	3	2	3	5	6	4	5	85	July
August	3	4	1	3	6	1	9	5	6	4	4	2	1	2	1	2	5	3	2	2	4	4	11	85	August
September	5	1	1	4	6	6	6	3	5	2	2	2	7	5	2	3	3	2	2	6	4	3	6	86	September
October	5	4	6	4	5	6	4	6	3	7	3	3	1	3	2	3	2	2	2	1	5	1	3	81	October
November	2	9	3	4	3	4	3	3	3	1	5	2	3	4		2	4	3	4	3	1	3	3	72	November
December	4	5	4	4	2		4	4	3	2	4	1	4	1	3	3	3	2		5	2	2	5	67	December
total	54	59	50	53	54	42	49	53	47	43	41	42	35	38	25	37	38	38	34	41	49	41	62	1,025	total

Prefecture of fatal and non-fatal accidents in painting products in 1999-2021

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Prefecture
Hokkaido		1														1								2	Hokkaido

Aomori																							Aomori
lwate																							lwate
Miyagi																							Miyagi
Akita																							Akita
Yamagata																							Yamagata
Fukushima		1	2		1	1				2	2			2			1		1	2	9	24	Fukushima
Ibaraki		2	1	2	1	5	2		1	1	1		2	1	2	4	3	1	1		1	31	Ibaraki
Tochigi	1	3	1	2		1	1	1		1	2	2		1	2			2	4		2	26	Tochigi
Gunma			2		1	2		2	1					1			1	1	2	2	2	17	Gunma
Saitama	8	10	7	7	11	7	7	9	8	4	4	10	1	8	6	5	4	5	12	8	8	149	Saitama
Chiba	1	4	7	5	1	2	7	5	2	6		2	4	1	1	2	1	1	3		5	60	Chiba
Tokyo	9	3	6	5	6	1	2		1	4	1	3	2	2	2		2	2	1		3	55	Tokyo
Kanagawa	1	3	1		3	1	2		1	2	4	5	2	1	3	4	1	2	1	3		40	Kanagawa
Niigata	1					3	1			1				1		2					2	11	Niigata
Toyama														1	1			1				3	Toyama
Ishikawa						1																1	Ishikawa
Fukui					1	1						1										3	Fukui
Yamanashi		1			1	1	1	1	4		1			1		1		1	3			16	Yamanashi
Nagano	2	1																				3	Nagano
Gifu				1	1				1	1	2	2		1	1	1		1	2		1	15	Gifu
Shizuoka	2		2	1	2	1		2		1			2	1		1			1		1	17	Shizuoka
Aichi	5	6	4	7	5	7	5	6	5	2	3	2	4	2	4	1	4	3	4	2	5	86	Aichi
Mie	1		1	1	2	1		2			2	1	1	2	1	4	2	4	2	2	2	31	Mie

Shiga	3	4		1	1	1	1	1	1	1	1			2		2	1	2	3	3	2	30	Shiga
	1	1	1	2	3	1	2	2	1	1			1	2		1	2	2	1	3	1		Kyoto
	10	9	10	13	2	7	7	3	8	8	3	5	2	4	7	5	6	6	7	8	5		Osaka
	4	4	3	4	4	4	5	4	4	4	6	1	2	2	4	5	6	5		5	8		Hyogo
Nara						1														1			Nara
Wakayama		1				1	1																Wakayama
		<u>'</u>					<u>'                                   </u>																
Tottori																							Tottori
Shimane											]				]					1			Shimane
Okayama		1		1	2	1	1	1		1	3				1						1	13	Okayama
Hiroshima	1	2			1	1		4	1	1		3									1	15	Hiroshima
Yamaguchi		1							1												1	3	Yamaguchi
Tokushima							1															1	Tokushima
Kagawa	1									1		1										3	Kagawa
Ehime							1															1	Ehime
Kochi																							Kochi
Fukuoka	2	1	1			1			1				1		2			2	1	2	1	15	Fukuoka
Saga			1	1									1									3	Saga
Nagasaki																							Nagasaki
Kumamoto	1			1											1							3	Kumamoto
Oita																					1	1	Oita
Miyazaki																							Miyazaki
Kagoshima																							Kagoshima

Okinawa																							Okinawa
total	54	59	50	54	49	53	47	43	41	42	35	38	25	37	38	38	34	41	49	41	62	930	total

Fatal and non-fatal accidents mean fatal and non-fatal injuries and occupational diseases with work absence of 4 days and more. Data of 2011 year include fatal and non-fatal accidents caused by Great East Japan Earthquake in 2011.

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

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Fatal accidents in painting products in Japan in 1999-2021

painting products industry Code No.010808

Type of fatal accidents in painting products in 1999-2021

Type of accidents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Type of accidents
fall from height							1		1															2	fall from height
falling to same level								1													1			2	falling to same level
crash																									crash
struck by flying or falling object																									struck by flying or falling object
collapse																									collapse
crashed by																									crashed by
		=	=	=			=	=	=	=	=	=			=	=			=	=				=	

caught in/between		1			1								2	caught in/between
cut														cut
injury to the sole of the foot														injury to the sole of the foot
drown														drown
contact to high/low- temperature														contact to high/low- temperature
contact to harmful substance														contact to harmful substance
electric shock														electric shock
explosion														explosion
burst														burst
fire														fire
traffic accident (public road)														traffic accident (public road)
traffic accident (others)														traffic accident (others)
reaction to motion/improper motion														reaction to motion/improper motion
others														others

unclassifiable															unclassifiable	
total		1		1	2	1						1		6	total	

Causal agents (large) of fatal accidents in painting products in 1999-2021

Causal (L) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021		Causal (L) agents
machine			1					1																2	machine
crane, conveying machine							1																	1	crane, conveying machine
other equipment									1															1	other equipment
temporary buildings, establishments								1													1			2	temporary buildings, establishments
substance, material																									substance, material
load																									load
environment																									environment
others																									others
total			1				1	2	1												1			6	total

Causal (M) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021 t	otal	Causal (M) agents
engine																								_	engine
power transmission mechanism																									power transmission mechanism
woodworking machine																									woodworking machine
construction machine																									construction machine
metal manufacturing machine																									metal manufacturin machine
general machine			1					1															2		general machine
mobile silviculture machine																									mobile silviculture machine
crane																									crane
conveying machine							1																1		conveying machine
vehicle																									vehicle
pressure vessel																									pressure vess

chemical facilities														chemical
														facilities
welding equipment														welding equipment
kiln, caldron														kiln, caldron
electric equipment														electric equipment
human power machine, tools														human power
tools					1								1	tools
other equipments,														other equipments, facilities
temporary buildings, establishments				1							1		2	temporary buildings, establishments
hazards, harmful substances														hazards, harmful substances
materials														materials
load														load
natural environment														natural environment
other causal agent														other causal

															agent
no sausal agent															no causal
no causal agent															agent
unclassifiable															unclassifiable
total		1		1	2	1						1		6	total

Causal agents (small) of fatal accidents in painting products in 1999-2021

Causal (S) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Causal (S) agents
engine																									engine
power transmission																									power transmission
mechanism																									mechanism
circular sawing																									circular sawing
machine																									machine
band sawing																									band sawing
machine																									machine
wood planer																									wood planer
machine																									machine
hollow chisel																									hollow chisel
mortiser, wood																									mortiser, wood
borer																									borer
chamfering																									chamfering
machine, router,																									machine, router,
woodworking																									woodworking

milling machine													milling machine
chain saw													chain saw
other woodworking													other woodworking
machines													machines
leveling,													leveling,
transporting or													transporting or
loading machine													loading machine
excavating machine													excavating machine
foundation work													foundation work
machine													machine
hardening machine													hardening machine
demolition machine													demolition machine
vehicle for high lift													vehicle for high lift
work													work
other construction													other construction
machines													machines
lathe													lathe
drill press, milling													drill press, milling
machine													machine
grinding machine,													grinding machine,
buffing machine													buffing machine
power press													power press
forging pressure													forging pressure
hammer													hammer

shearing machine														shearing machine
other metal														other metal
manufacturing														manufacturing
machines														machines
centrifugal machine														centrifugal machine
mixer, grinder		1			1								2	mixer, grinder
roll machine (except														roll machine (except
printingroll														printingroll
machine)														machine)
injection molding														injection molding
machine														machine
food manufacturing														food manufacturing
machine														machine
printing machine														printing machine
industrial robot														industrial robot
other general														other general
power machines														power machines
felling machine														felling machine
mobile logging														mobile logging
machine														machine
skyline yarding														skyline yarding
machine														machine
other mobile														other mobile
silviculture machine														silviculture machine

crane														crane
mobile crane														mobile crane
derrick crane														derrick crane
elevator, lift														elevator, lift
cargo lifting														cargo lifting
appliance														appliance
gondola														gondola
lumberyard														lumberyard
equipment, logging														equipment, logging
cableway														cableway
simple skyline														simple skyline
yarding equipment														yarding equipment
other powered														other powered
crane														crane
truck														truck
forklift				1									1	forklift
railway equipment														railway equipment
conveyor														conveyor
loader														loader
straddle carrier														straddle carrier
rough terrain hauler														rough terrain hauler
other powered														other powered
conveying machines														conveying machines
cars, bus,														cars, bus,

motorcycle													motorcycle
railway vehicle													railway vehicle
other vehicles													other vehicles
boiler													boiler
pressure vessel													pressure vessel
other pressure vessels													other pressure vessels
chemical facilities													chemical facilities
gas welding equipment													gas welding equipment
arc welding equipment													arc welding equipment
other welding equipment													other welding equipment
kiln, caldron													kiln, caldron
industrial dryer													industrial dryer
other kiln, caldron													other kiln, caldron
transmission													transmission
electric power facilities													electric power facilities
other electrical equipment													other electrical equipment
human power													human power

cranes														cranes
human power														human power
hauling equipment														hauling equipment
human power														human power
machine														machine
hand tool														hand tool
ladder					1								1	ladder
slinging tool														slinging tool
other tools														other tools
other equipment,														other equipment,
facilities														facilities
scaffolding														scaffolding
timbering														timbering
stairs, landing stage														stairs, landing stage
opening														opening
roof, beam, haze,														roof, beam, haze,
crossbeam,														crossbeam,
principal rafter														principal rafter
working platform,														working platform,
boot board														boot board
passage											1		1	passage
building,				1									1	building,
establishment													ı	establishment
other temporary														other temporary

buildings,													buildings,
establishments													establishments
explosive substance													explosive substance
inflammable													inflammable
substance													substance
inflammable gas													inflammable gas
harmful substance													harmful substance
radiation													radiation
other hazards,													other hazards,
harmful substances													harmful substances
metal material													metal material
lumber, bamboo													lumber, bamboo
stone, sand,													stone, sand,
substance													substance
other materials													other materials
load													load
machine/equipment													machine/equipment
as load													as load
natural ground,													natural ground,
rock													rock
standing tree													standing tree
water													water
abnormal													abnormal
environment													environment

high/cold															high/cold
temperature															temperature
environment															environment
other environments															other environments
other causal agent															other causal agent
no causal agent															no causal agent
unclassifiable															unclassifiable
total		1		1	2	1						1		6	total

Workers age of fatal accidents in painting products in 1999-2021

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Age
19 years old or less																									19 years old or less
20-29																									20-29
30-39																									30-39
40-49								1	1															2	40-49
50-59			1				1	1													1			4	50-59
60 years old or																									60 years old or
more																									more
total			1				1	2	1												1			6	total

Workers' number of workplace of fatal accidents in painting products in 1999-2021

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Workers scale
9 workers or less																									9 workers or less
10-29																					1			1	10-29
30-49							1																	1	30-49
50-99			1						1															2	50-99
100-299								2																2	100-299
300 workers or																									300 workers or
more																									more
total			1				1	2	1												1			6	total

## Month of fatal accidents in painting products in 1999-2021

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Month
January								1																1	January
February			1																					1	February
March									1															1	March
April																									April
May																									Мау
June																					1			1	June
July																									July
August																									August
September							1																	1	Septembe
October																									October

November															November
December					1									1	December
total		1		1	2	1						1		6	total

Prefecture of fatal accidents in painting products in 1999-2021

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Prefecture
Hokkaido																									Hokkaido
Aomori																									Aomori
lwate																									lwate
Miyagi																									Miyagi
Akita																									Akita
Yamagata																									Yamagata
Fukushima																									Fukushima
Ibaraki																									Ibaraki
Tochigi																									Tochigi
Gunma																									Gunma
Saitama																									Saitama
Chiba			1																					1	Chiba
Tokyo																					1			1	Tokyo
Kanagawa																									Kanagawa
Niigata																									Niigata
Toyama																									Toyama

Ishikawa															Ishikawa
Fukui															Fukui
Yamanashi															Yamanash
Nagano															Nagano
Gifu															Gifu
Shizuoka															Shizuoka
Aichi				1	2									3	Aichi
Mie															Mie
Shiga															Shiga
Kyoto															Kyoto
Osaka															Osaka
Hyogo						1								1	Hyogo
Nara															Nara
Wakayama															Wakayama
Tottori															Tottori
Shimane															Shimane
Okayama															Okayama
Hiroshima															Hiroshima
Yamaguchi															Yamaguch
Tokushima															Tokushima
Kagawa															Kagawa
Ehime															Ehime
Kochi															Kochi

Fukuoka															Fukuoka
Saga															Saga
Nagasaki															Nagasaki
Kumamoto															Kumamoto
Oita															Oita
Miyazaki															Miyazaki
Kagoshima															Kagoshima
Okinawa															Okinawa
total		1		1	2	1						1		6	total

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

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