

Respirable Crystalline Silica

Rely on Brady's Expertise to Stay Up to Date on Regulations

OSHA's respirable crystalline silica regulations (addressed in section 1910.1053 for general industry and maritime, and 1926.1153 for construction) were issued to curb lung cancer, silicosis, chronic obstructive pulmonary disease and kidney disease that has been linked to high levels of silica. The updated ruling further limits the permissible exposure limits (PELs) for silica to 50 micrograms of respirable silica per cubic meter of air ($\mu\text{g}/\text{m}^3$) at an 8-hour time-weighted average (TWA).

Compliance Timeline

We've laid out the deadlines by date and by industry to help you stay compliant:

Deadline	Industry	Requirement
Sept. 23, 2017	Construction	Employers are required to comply with all obligations of the standard (except methods of sample analysis)
June 23, 2018	Construction	Employers are required to comply with methods of sample analysis
June 23, 2018	General industry and maritime	Employers are required to comply with all obligations of the standard, with the exception of the action level trigger for medical surveillance
	Hydraulic fracturing operations in the oil and gas	Employers are required to offer medical examinations to employees exposed above the PEL for 30 or more days a year
June 23, 2020	General industry and maritime	Employers are required to offer medical examinations to employees exposed at or above the action level for 30 or more days a year
	Hydraulic fracturing operations in the oil and gas	
June 23, 2021	Hydraulic fracturing operations in the oil and gas	Employers are required to comply with requirements for engineering controls to limit exposures to the new PEL. From June 23, 2018 through June 23, 2021, employers can continue to have employees wear respirators if their exposures exceed the PEL



Compliant Silica Safety Signs

Catalog #	Material	Size
149438	B-555 Aluminum	10" x 14"
149439	B-302 Self-Sticking Polyester	10" x 14"
149440	B-401 Plastic	7" x 10"
149441	B-401 Plastic	10" x 14"
149442	B-555 Aluminum	7" x 10"
149443	B-555 Aluminum	10" x 14"

Demarcating Regulated Areas

A sign at each entrance must be posted to notify employees that they are entering a regulated area, as well as what the hazards and need for respiratory protection are. Signs should read:

**DANGER RESPIRABLE
CRYSTALLINE SILICA
MAY CAUSE CANCER
CAUSES DAMAGE
TO LUNGS
WEAR RESPIRATORY
PROTECTION IN THIS AREA
AUTHORIZED
PERSONNEL ONLY**

To decrease the number of employees exposed to respirable crystalline silica, regulated areas must be marked. Employers can use cones, stanchions, tape, barricades, lines, or textured flooring to mark the boundaries of regulated areas.

Other Brady Silica Safety Solutions

Brady's industry experts stay up to date on the latest regulations to bring you the knowledge and products that help keep your facility safe and compliant.



ToughStripe® Floor Marking Tape

Solid Colored ToughStripe® Tape

	2" x 100'	3" x 100'	4" x 100'
Black	104310	104340	104370
White	104311	104341	104371
Red	104313	104343	104373
Green	104315	104345	104375
Blue	104314	104344	104374
Orange	104316	104346	104376
Yellow	104312	104342	104372
Purple	134086	134087	134088
Brown	134089	134090	134091
Grey	134092	134093	134094

Striped ToughStripe® Tape

	2" x 100'	3" x 100'	4" x 100'
Org/Blk Striped	132433	132434	132435
Ylw/Blk Striped	104317	104347	104377
Wht/Blk Striped	104319	104349	104379
Rd/Wht Striped	104318	104348	104378
Rd/Ylw Striped	132430	132431	132432
Grn/Wht Striped	132436	132437	132438
Blu/Ylw Striped	132439	132440	132441



Absorbents

One of the most common compositions for granular absorbents is diatomaceous earth, which is 80-90% silica based. As a safer, non-silica solution to spill response and absorbents, Brady SPC absorbent pads and rolls are a cost-effective product for leaks, drips and spills.

Catalog #	Type	Size	Perforated	Absorbency Factor (gl/gs)	Absorbency Capacity (gal)	Shipping Wt (lbs)	Pallet Qty.	Quantity
Pads								
MRO50	Heavy Wt. Pad	30"x30"	Yes, 15"	12.5	41	26.5	11	50/case
MRO150DND	Heavy Wt. Pad*	15"x19"	Yes, 7.5"	12.5	39	27	18	150/case
MRO100	Heavy Wt. Pad	15"x19"	Yes, 7.5"	12.5	26	17.5	30	100/case
MRO100-2	Heavy Wt. Pad	15"x19"	Yes, 7.5"	12.5	13.5	8	36	50/bale
MRO300	Medium Wt. Pad	15"x19"	Yes, 7.5"	12.5	20.5	14	30	100/case
Rolls								
MRO30-DP	Heavy Wt. Roll	30"x150'	Yes, 15" and every 15"	12.5	49	32	12	1/case
MRO30P	Heavy Wt. Roll	30"x150'	Yes, every 30"	12.5	49	32	12	1/case
MRO30	Heavy Wt. Roll	30"x150'	No	12.5	49	33	12	1/case
MRO15-DP	Heavy Wt. Roll	15"x150'	Yes, 7.5" and 12" across	12.5	24	17.5	24	1/case
MRO15P	Heavy Wt. Roll	15"x150'	Yes, every 18"	12.5	24	17.5	24	1/case
MRO15	Heavy Wt. Roll	15"x150'	No	12.5	24	17.5	24	1/case
MRO350-DP	Medium Wt. Roll	30"x150'	Yes, 15" and every 15"	12.5	38	26.5	12	1/case
MRO315P	Medium Wt. Roll	15"x150'	Yes, every 18"	12.5	20	14	24	1/case
MRO215P	Light Wt. Roll	15"x150'	Yes, every 18"	12.5	12	8	24	1/case

*Features Dispense-N-Dispose® System

USA

Customer Service: 1-888-272-3946

Inside Sales: 1-888-311-0775

BradyID.com

Canada

Customer Service: 1-800-263-6179

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Mexico

Customer Service: 1-800-262-7777

Inside Sales: 1-800-262-7777 ext 177

BradyLatinAmerica.com

► Find additional solutions at BradyID.com/Silica

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