

Absorbents & Spill Control

BradyID.com/s35



Why Is Spill Control Important?

When a spill occurs, having a proper spill control program that enables quick and effective response can not only help to protect the environment, but also support a safe and productive workplace for your employees.

Brady SPC supplies products that help you comply with EPA and OSHA regulations. Why does that matter? Because our goal is to help support high levels of productivity and to limit equipment down time. The cost of non-compliance around this area of regulation can have devastating effects on a business's reputation and financial performance.

The EPA issued its final rule amending SPCC requirements under the authority of the Federal Water Pollution Control Act. This regulation became effective as of August 16, 2002.



The new Poly-Edge Truck Mountable Spill Kit is designed to help you meet DOT spill containment regulations.

Absorbents & Spill Control

▶ Need To Know Regulations

The following OSHA and EPA regulations protect your employees and the environment;

29 CFR 1910.22(a)(2)

– Walking-Working Surfaces

The floor of every workroom shall be maintained in a clean and, so far as possible, a dry condition. Where wet processes are used, drainage shall be maintained, and false floors, platforms, mats, or other dry standing places should be provided where practicable.

40 CFR 112.7(c)(1)(viii)

– General requirements for Spill Prevention, Control, and Countermeasure Plans

Sorbent materials are included in the types of prevention systems that must be used for spill containment.

29 CFR 1910.120(j)(1)(vii)

– Hazardous Waste Operations and Emergency

U.S. Department of Transportation specified salvage drums or containers and suitable quantities of proper absorbents shall be kept available and used in areas where spills, leaks, or ruptures may occur.

OSHA's Recent Silica Ruling

One of the most common compositions for granular absorbents is diatomaceous earth, which is 80-90% silica based. OSHA's recent final rule on limiting exposure to respirable crystalline silica was issued to curb lung cancer, silicosis, chronic obstructive pulmonary disease and kidney disease, all of which have been linked to high levels of silica. Rely on Brady SPC absorbent pads and rolls as a safer, more efficient, non-silica solution for absorbing leaks, drips and spills.



What is a SPCC Plan & Do I Need One?

A Spill Prevention Control & Countermeasure (SPCC) plan is a facility-specific, comprehensive plan outlining both the containment and countermeasures implemented to prevent a spill from occurring and a series of response procedures in the event that one does. The SPCC plan addresses the following three areas:

- Operating procedures that prevent spills
- Control measures installed to prevent a spill from reaching the environment
- Countermeasures to contain, clean-up and mitigate the effects of an oil spill that reaches the environment



Having a SPCC plan in place is an essential step to help companies avoid the costly impact of non-compliance, including fines as high as \$25,000 per day per violation.

▶ **Not Sure Where to Start? Let SPC Experts Help.**

We understand that surveying a facility for potential trouble spots, proper absorbent usage and product selection can be extremely time consuming and confusing. But we also believe that it can be extremely beneficial.

• **Free Absorbent Survey**

Brady's Absorbent Survey is a free service designed to help a facility keep its employees and its equipment safe. This detailed survey asks the right questions and identifies how Brady SPC and its distributors can provide solutions for the proper use of absorbents in the plant. Many organizations use these surveys as an "Environmental Audit" and keep them on file.

• **Cost Savings Worksheet**

Seeing is believing! This simple worksheet helps you compare the absorbents you are currently purchasing with our recommendations – quickly showing you the price difference and your cost savings.

Contact your
Brady SPC
Representative for
more information
or for assistance
selecting the right
absorbents for your
facility.

Absorbents & Spill Control

BradyID.com/s35



▶ Making the Switch to Absorbents

No facility is free from leaks, drips and spills. And when it comes to keeping your employees and the working environment safe, you need a reliable and cost-effective absorbent solution.

Take a look at the below comparisons between granular, rags and SPC absorbent pads to determine what solution best fits your needs.

Granular

- **Pros:** Low cost per bag and product familiarity
- **Cons:** Messy, very low absorbency ratio (generally 1:1), labor intensive clean up and high disposal costs

Laundered Rags

- **Pros:** Recycled and full system (products and disposal supported by the supplier)
- **Cons:** After each laundering, the rags lose some of their absorbency. Hard metals can never be completely removed, leading to significant health risks through exposure

SPC Absorbent Pads

- **Pros:** Absorb an average of 20x their weight in liquid, offer multiple configurations and constructions and lower disposal costs
- **Cons:** Higher up-front cost

Material Details

	Granular (40 lb bag)	Rags (200 pads/drum)	SPC Pads (100 pads/case)	
Gallons Absorbed Per Week	20	20	20	gallons
Total Material Used	4 bags	170 rags	77 pads	per week
Total Material Costs	\$24	\$128	\$77	per week

Labor Details

Labor Hours for Clean-Up	1	0.3	0.3	hours/week
Total Labor Costs	\$20	\$7	\$7	per week

Disposal Details

Drums Disposed Per Week	1	(included)	0.15	per week
Total Disposal Costs	\$200	(included)	\$30	per week

Savings Summary

Weekly Cost	\$244	\$135	\$114	per week
Annual Cost	\$12,688	\$7,020	\$5,947	per year
Total Cost After 5 Year	\$63,440	\$35,100	\$29,733	over 5 years

\$33,667 or 47% Savings
When Using SPC Pads Over Granular

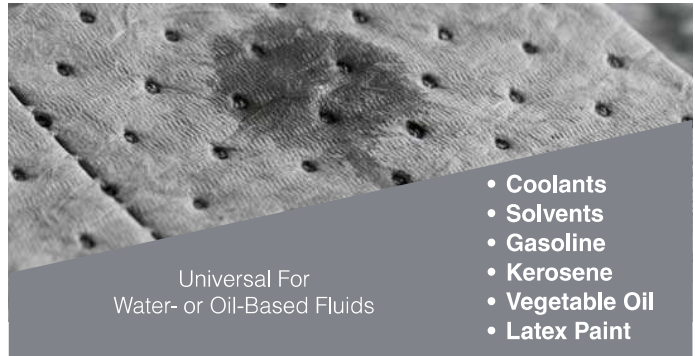
*Values shown are for example purposes only and are based on average costs in US dollars as published in 2016. Costs and savings may vary.

▶ 1 Step One: Know What You're Absorbing

Water- or Oil-Based Fluids

SPC Recommends: Universal Absorbents

Use around machinery, under leaky pipes, in messy traffic areas or for general maintenance projects. Re-Form™ universal absorbents made of recycled materials offer an environmentally friendly solution.



Oil-Based Fluids Outdoors/Water Repelling

SPC Recommends: Oil Only Absorbents

Specialized for oil and other petroleum-based spills including paints and non-water soluble chemicals, these absorbents will not absorb water and will float indefinitely. Re-Form™ oil only absorbents made of recycled materials offer an environmentally friendly solution.

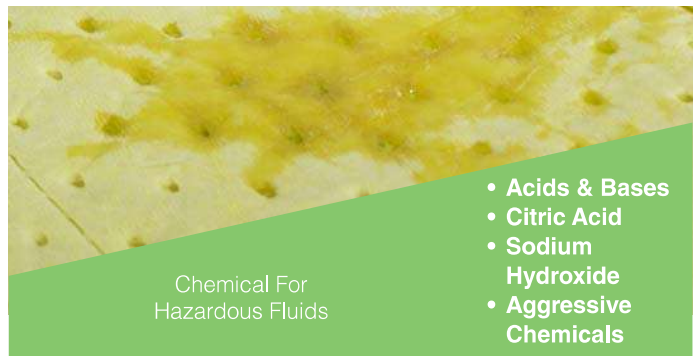


Hazardous Chemical Fluids

SPC Recommends: Chemical Absorbents

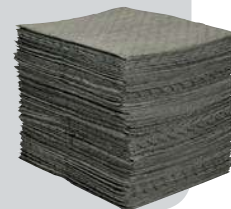
Surfactant-treated polypropylene absorbents can be used on a wide range of chemicals, including hydrofluoric acid. They are chemically inert, so they will not react with aggressive fluids.

Keep in mind that absorbents take on the properties of whatever they absorb, so the bright color provides a visual indication to separate waste streams.



▶ Looking to Save Time, Effort and Money?

Use a mid- to high-level universal product, like MRO100, as the standard in your facility. It's construction can be used on a wide variety of applications and with a standardized absorbent, you will not have to manage the inventory of multiple items.



Absorbents & Spill Control

BradyID.com/s35

2 Step Two: Identify Your Application



General Purpose Wiping, Drips & Leaks

SPC Recommends: Pads, Rolls, Socs & Pillows

Pre-cut pads and perforated rolls provide easy access to absorbents for general purpose use around your facility. Use specialized SOCs and pillows around or underneath dripping equipment.



Heavy Foot & Forklift Traffic

SPC Recommends: Mats & Rugs

Mats and rugs offer greater durability to withstand harsh conditions. Barrier-backed options prevent liquid from penetrating the absorbent and reaching the floor underneath while printed mats warn of possible slip, trip and fall hazards.



Emergency Spill Response

SPC Recommends: Spill Kits, Pallets, Drain Plugs

Spill kits bundle together all of the necessary products to clean up an unexpected spill. Other spill containment options include spill pallets, drain plugs and absorbent storage centers.



Specialty Absorbents

SPC Recommends: Marine or Granular Products

Marine environments require boom, sweep and drag nets to remove fluids in or near bodies of water.

Granular absorbents are available when loose absorbents are preferred or when acid/base neutralization is required prior to spill clean-up.

Absorbents & Spill Control

3 Step Three: Select Absorbent Features

Coverstock

Durability of an absorbent increases with the addition of a coverstock layer.

- For simple drips or leaks, a 1-ply absorbent is all you need.
- For wiping or foot traffic, a 3-ply absorbent will offer the necessary durability.
- For abrasive applications, a pad with spunbond coverstock helps to reduce linting or tearing.



3-ply Construction
(2-Sides Coverstock)

Two layers of coverstock offer maximum durability and reduce possible linting or tearing.

2-ply Construction
(1-Side Coverstock)

A single layer of coverstock offers medium durability and linting.

1-ply Construction
(No Coverstock)

Economical single-ply has lower durability resulting in high linting and tearing.

Absorbency Weight

The absorbency weight can make a significant difference in how much product is required.

- For small spills, choose a light or medium weight product to avoid waste.
- For large spills or continuous leaks, choose a heavy weight product to reduce total material used.



Under-Saturated

Absorbents aren't being used to their full potential. You're throwing money away!



Over-Saturated

Absorbents aren't cleaning the whole spill. Increase the weight to get the job done with less product.

Dimpled Surface

Dimpling increases product strength for areas requiring greater durability.

Smooth absorbents have greater surface area and are more absorbent per square inch compared to similarly constructed, dimpled products.



Non-Dimpled

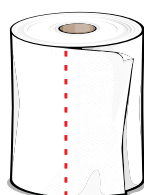
Offers more absorbent surface area.

Dimpled

Provides increased durability.

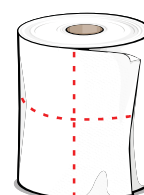
Perforations

Perforations provide a variety of size options all in one product by allowing you to quickly tear off exactly what is needed to contain the spill.



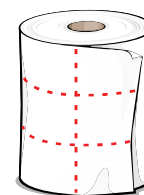
Single Perf

Featured on many pads & rolls.



Double Perf

Featured on many rolls and mats.



Triple Perf

Unique to the High Traffic Universal rolls.