

FLUID CONTROL SOLIDIFIERS

For potentially infectious
blood and bodily fluid waste



Red Z® and Green-Z® Fluid Control Solidifiers

Healthcare facilities must focus on maintaining high levels of worker safety while reducing operating costs. Help improve surgical room turnover and worker safety when handling or transporting liquid medical waste with the use of Red Z® and Green-Z® bodily fluid solidifiers.



Fast-Acting

Contains superabsorbent polymers (SAPs)



Shipping-Friendly

Helps comply with DOT regulations



No Splashing

Eliminates splashing and aerosolization



Doesn't Expire*

Shelf-stable in a cool, dry place

Industries at Risk in Handling Fluid Waste

- Healthcare Facilities
- Research Centers
- Dentists & Orthodontists
- Mortuaries
- Autopsy Centers
- Testing Laboratories
- Blood Banks
- Collection Services
- Nursing Homes
- Tattoo Parlors
- Correctional Facilities
- Police & Fire Departments

See following pages for specific product information

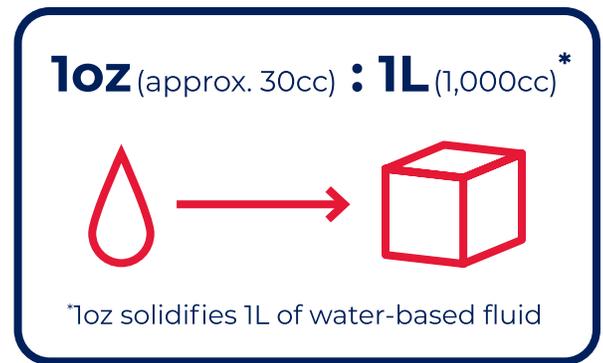
*Products are shelf-stable and do not require an expiration date. For the product to remain shelf-stable, it must be kept in a cool, dry place and in its original packaging. If contents are hard/compact, shake the product to loosen before use.



Safetec of America, Inc.
1-800-456-7077 | safetec.com

Solidifiers are Available in Three Packaging Options:

- ① Single & Multi-Use Bottles
- ② Single-Use Pouches
- ③ Drop-In Pacs



“Simple waste management measures, such as effective confinement of waste and safe handling, can already dramatically reduce health risks...” – World Health Organization

① Single & Multi-Use Bottles

- Pour into porthole of suction canisters
- Also great for urology bags and kick buckets
- Available in a variety of sizes to solidify up to 22,000cc of liquid medical waste

Item#	Description	Case Qty.
41000	Red Z [®] Up to 1,500cc Bottle	75/case
41005	Red Z [®] Up to 3,000cc Bottle	75/case
41105	Red Z [®] Up to 5,000cc Bottle	24/case
41107	Red Z [®] Up to 22,000cc Bottle	12/case
42005	Green-Z [®] Up to 3,000cc Bottle	75/case
42003	Green-Z [®] Up to 22,000cc Bottle	12/case



Great for suction canisters, urology bags, and kick buckets

Directions for Use

Suction Canisters:

1. Release proper amount of solidifier through port opening of suction canister (before or after surgical procedure).
2. Do not allow product packaging to contact contaminated material.
3. Allow sufficient time for encapsulation before handling.

Biohazard Bags or Kick Buckets:

1. Add solidifier to the bottom of a biohazard bag or other container to control fluid before or after spills occur.
2. Clean and disinfect contaminated areas after use.
3. Dispose of infectious waste in accordance with all local, state and federal regulations.

② Pour-In Pouches

- Single-use, pre-measured powder
- Easy-pour angled pouch is perfect for narrow openings of suction canisters
- Snip with scissors and pour in
- Red Z[®] contains chlorine to deodorize and control odor



Item#	Description	Case Qty.
41131	Red Z [®] 1oz. Pour-In Pouch	100/case
41132	Red Z [®] 2oz. Pour-In Pouch	100/case

Directions for Use

Suction Canisters:

1. Use scissors to snip corner of pouch and release proper amount of solidifier through port opening of suction canister (before or after surgical procedure).
2. Discard product packaging.
3. Allow sufficient time for solidification and encapsulation of contents before handling.

Biohazard Bags or Kick Buckets:

1. Add solidifier to the bottom of a biohazard bag or other container to control fluid before or after spills occur.
2. Clean and disinfect contaminated areas after use.
3. Dispose of infectious waste in accordance with all local, state and federal regulations.

③ Drop-In Pacs

- Great for pre-loading and post-loading canisters
- Easy and ready-to-use pre-measured pouches
- Fast-acting water-soluble paper technology
- Contents are non-toxic

Item#	Description	Case Qty.
41108	Red Z [®] Drop-In (Up to 750cc)	300 per cs.
41175	Red Z [®] Drop-In (Up to 1500cc)	100 per cs.
42008	Green-Z [®] Drop-In (Up to 750cc)	300 per cs.
42175	Green-Z [®] Drop-In (Up to 1500cc)	100 per cs.



Specifically designed to fit in the porthole of a canister

Directions for Use

Suction Canisters:

1. Insert entire drop-in pac through port opening of suction canister (before or after surgical procedure).
2. Drop-in Pac will rupture within a few minutes upon contact of bio-fluid.
3. Allow sufficient time for solidification and encapsulation of contents before handling.

Biohazard Bags or Kick Buckets:

1. Place drop-in pac in the bottom of a biohazard bag or other container to control fluid before or after spills occur.
2. Clean and disinfect contaminated areas after use. Dispose of infectious waste in accordance with all local, state and federal regulations.



SOLIDIFY FLUID WASTE QUICKLY & SAFELY

Improve operating room turnover and worker safety with Drop-In Pacs.

Drop-In Pacs

Advanced Self-Dissolving Paper Technology

Drop-In Pacs are a medical solidifier with an advanced self-dissolving technology to instantly absorb and solidify fluid waste. Containing the same effective superabsorbent polymers as used in Red Z[®] and Green-Z[®] bottles, these slender pouches are made with a fast-acting innovative water-soluble paper.

For use in: kick buckets, operating rooms, red biohazard bags, suction canisters and wound care therapy.

Self-dissolving paper technology is ideal for fast-paced operating rooms.

Pouch is specifically designed to fit in the porthole of suction canisters.

Directions for Use

Suction Canisters: Insert entire Drop-In Pac through port opening of suction canister (before or after surgical procedure). Allow sufficient time for encapsulation before handling.

Biohazard Bags or Kick Buckets: Place drop-in pac in the bottom of a biohazard bag or other container to control fluid before or after spills occur. Clean and disinfect contaminated areas after use. Dispose of infectious waste in accordance with all local, state and federal regulations.

Item#	Description	Case Qty.
41108	Red Z [®] Drop-In (up to 750cc)	300/case
41175	Red Z [®] Drop-In (up to 1500cc)	100/case
42008	Green-Z [®] Drop-In (up to 750cc)	300/case
42175	Green-Z [®] Drop-In (up to 1500cc)	100/case

Drop-In Pac Absorption Rates

Item#	Description	Time to Open	Time to Absorb	Capacity
41108	Red Z [®] Drop-In (20g)	10-25 sec	1-3 min	750-900cc
41175	Red Z [®] Drop-In (40g)	10-25 sec	2-6 min	1500-1800cc
42008	Green-Z [®] Drop-In (20g)	10-25 sec	1-3 min	750-900cc
42175	Green-Z [®] Drop-In (40g)	10-25 sec	2-6 min	1500-1800cc

**All packets tested in 0.9% saline solution in a temperature range of 32–37°C*

***Red Z[®] contains chlorine to deodorizes spills**



OSHA Compliance 1910.1030 – Bloodborne Pathogens Standard
 Universal Precautions is an approach to infection control. According to the concept of Universal Precautions, all human blood and certain human body fluids are treated as if known to be infectious.



Safetec of America, Inc.
 1-800-456-7077 | safetec.com

TRANSPORT SPECIMENS SAFELY

Zafety Pacs & Zorb Sheets



Zafety Pacs

(Smallest Single-Use Solidifiers)

For diagnostic specimens, infectious substances, and dangerous goods

- Solidifies water-based fluids (blood, urine and other bodily fluids)
- Fast-acting and easy-to-use
- Lightweight (similar to teabag material)
- Prevents leaking (transforms fluid into semi-solid gel-like mass)

How Zafety Pacs Work

The porous, non-woven material allows fluid to easily activate the contained superabsorbent polymers, enabling the granules to burst through the packaging and quickly solidify the contents into a semi-solid (gel) mass.

In the event of a spill or leak, it creates an extra protection barrier for workers' safety. (These high quality granules have the unique ability to hold large amounts of absorbed water-based fluid, even against pressure.)

Dispose of potentially infectious materials in accordance with all local, state and federal regulations.

Item#	Description	Pouch Size	Case Qty.	Case Wt.	Max. Blood/Urine Solidification*	Max. Water Solidification*
42031	Green-Z® 2g Zafety Pac	1.375" x 2.25"	1,000	7 lbs.	(Up to 37.5cc)	(Up to 75cc)
42029	Green-Z® 4g Zafety Pac	1.375" x 3"	5,000	51 lbs.	(Up to 75cc)	(150-175cc)

**Data is an approximation of values. Blood and urine solidification are based on the industry standard 0.9% NaCl saline solution.*

See reverse side for information on Zorb Sheets



Healthcare: Triple packaging systems, sharps, biohazard bags, kick buckets, disposable lab containers and glassware.

Occupational Health & Safety: Shipping facilities – packaging regulations and tattoo shops – ink containers.

Zafety Pacs help comply with DOT, CDC, OSHA, IATA, ICAO, USPS and UN Regulations.†



Safetec of America, Inc.
1-800-456-7077 | safetec.com

Zorb Sheets

(Blood/Body Fluid Absorbents)

For diagnostic specimens, infectious substances, and dangerous goods

- Available in multiple sizes
- Fast-acting and easy-to-use
- Lightweight (space saving)
- Prevents leaking (transforms fluid into semi-solid gel-like mass)



How Zorb Sheets Work

The tissue-based material allows fluid to immediately activate the superabsorbent polymers to solidify and transform the contents into a semi-solid (gel) mass. In the event of a spill or leak, it creates an extra protection barrier for workers' safety. (These high quality granules have the unique ability to hold large amounts of absorbed water-based fluid, even against pressure.)

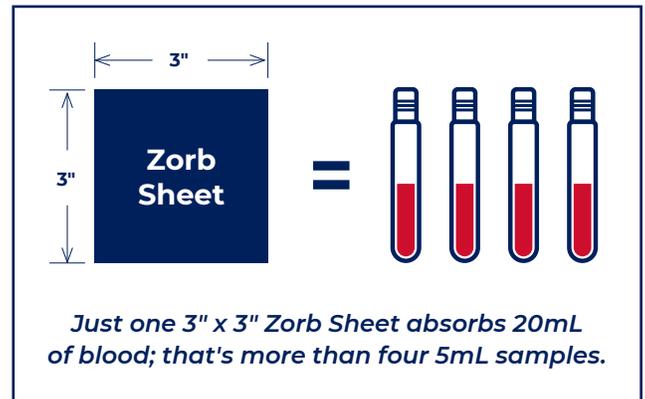
Dispose of potentially infectious materials in accordance with all local, state and federal regulations.



Healthcare: Triple packaging systems, sharps, biohazard bags, kick buckets, disposable lab containers and glassware.



Occupational Health & Safety: Shipping facilities – packaging regulations.



Zorb Sheets help comply with DOT, CDC, OSHA, IATA, ICAO, USPS and UN Regulations.†

Item#	Description	Sheet Size	Case Qty.	Case Wt.	Max. Blood/Urine/Saline Absorbency*	Max. Water Absorbency*
44001	Zorb Sheet	3" x 3"	20,000	26 lbs.	(Up to 20cc)	(Up to 60cc)
44002	Zorb Sheet	12" x 12"	500	11 lbs.	(Up to 275cc)	(Up to 720cc)
44003	Zorb Sheet	6" x 6"	2,500	14 lbs.	(Up to 80cc)	(Up to 240cc)
44004	Zorb Sheet	3" x 6"	2,500	3.5 lbs.	(Up to 36cc)	(Up to 120cc)

*Data is an approximation of values. Blood and urine solidification are based on the industry standard 0.9% NaCl saline solution.

†Regulation References:

DOT: phmsa.dot.gov/sites/phmsa.dot.gov/files/2020-04/Transporting-Infectious-Substances-Safely.pdf

CDC: cdc.gov/cpr/ipp/shipping/index.htm

OSHA: osha.gov/OshDoc/data_BloodborneFacts/bbfact01.pdf

IATA: iata.org/en/publications/dgr/

UN: un3373.com/category-biological-substances/category-b/

ICAO: icao.int/safety/DangerousGoods/Working%20Group%20of%20the%20Whole/ACF3C4.pdf#search=Shipping%20infectious%20substances

USPS: pe.usps.com/text/pub52/pub52c3_024.htm#ep925138

WHO: who.int/ihr/capacity-strengthening/infectious-substances/en/