LIQUID WASTE SOLIDIFIERS

ZapZorb® Selector Guide

Five grades. Three steps to the right one for your waste stream.

ZAPPA stewart

CHASE Corporation
We make a material difference

1 WHAT IS IN YOUR WASTE?

IF YOUR WASTE IS	IF YOUR WASTE IS	IF YOUR WASTE IS	IF YOUR WASTE IS	IF YOUR WASTE IS
Water-based sludge, slurries, CCR residuals, drilling mud or tunnel muck	Aqueous spills and remediation where solidification speed matters most	Oil, grease, solvents, crude tank sludge, drill cuttings, or oil and water mixed	Slurries, sludge, mud and liquid waste streams with minimal oily content	Sludge, slurries, drilling mud and industrial waste streams with minimal oily content
CHOOSE	CHOOSE	CHOOSE	CHOOSE	CHOOSE
ZapZorb Premium	**ZapZorb Fines**	**ZapZorb OA**	**ZapZorb P2**	**ZapZorb P6**
High capacity, low dust	*Optimized for speed*	*Oil-loving, water-repelling*	*Mineral-enhanced, strong on oily waste*	*Fiber-enhanced, anti-dusting*

2 COMPARE THE SPECS

	ZapZorb Premium	ZapZorb Fines	ZapZorb OA	ZapZorb P2	ZapZorb P6
Absorbs	Water-based liquids	Water-based liquids	Oils, hydrocarbons, solvents; works in mixed oil and water	Water-based liquids; enhanced on oily waste	Water-based liquids; added apacity for non-aqueous waste
Type	High-capacity core grade	Fine-particle core grade	Oil-selective grade, 100% recycled content	Mineral-enhanced blend	Fiber-enhanced blend
Absorption capacity*	> 300 g/g (deionized water)	Up to 220 g/g (distilled water)	4.2 to 7.2 lb/lb (ASTM F726-17)	150 g/g (distilled water)	200 g/g (distilled water)
Typical dosage	0.1% to 2% wt/wt	0.5% to 1.5% wt/wt	Stream-specific; ask for a bench test	0.5% to 1.5% wt/wt	0.25% to 1% wt/wt
Particle size	106 to 850 µm	0 to 300 µm	100% < 2 mm; 50% < 0.2 mm	N/A	N/A
pH	5.5 to 6.5	5.5 to 6.5	2.5 to 8.5	6.5 to 8.5	5.5 to 6.5
Bulk density	0.6 to 0.8 g/cm³	0.6 to 0.9 g/cm³	6.2 lb/ft³ bulk; 12.4 lb/ft³ bagged	0.85 to 0.9 g/cm³	0.4 to 0.5 g/cm³
EPA Paint Filter Test	Supports passing (9095B)	Supports passing (9095B)	Helps treated material pass	Supports passing (9095B)	Supports passing (9095B)
Packaging	50 lb bags, supersacks	50 lb bags, supersacks	Multi-wall bags, supersacks	50 lb bags, supersacks	50 lb bags, supersacks

**Water capacity (g/g) and oil capacity (lb/lb, ASTM F726-17) measure different liquids and methods, so they are not directly comparable. Custom packaging available on all grades. Values are typical, not specifications.*

Ultra-low dosage
Typically 0.25% to 2% by weight, a fraction of sawdust, lime or cement.

50% to 75% less transportation
Little added weight or volume means fewer truckloads off site.

30% lower disposal costs
Less material to landfill means lower tipping fees.

Solid in minutes
No cure time before hauling. Holds liquid under pressure and vibration.

Not sure which grade fits?
Send us your waste stream profile and we will help you select and tailor the right product.

Run your own numbers: see chasecorp.com for our Cost Savings Calculator and to learn more about ZapZorb.

Sales **(781) 750-0525**
Orders and support **(+1) 781-332-0707**
customerservice@chasecorp.com
chasecorp.com/contact-us

ZAPZORB® SELECTOR GUIDE

Performance by Application

How each ZapZorb grade performs across common liquid-bearing waste streams.

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3 FIND YOUR BEST FIT

★★★ BEST FIT
Our first recommendation. Engineered for this waste stream.

★★☆ HIGH WORKABLE
Performs well, often at a moderately higher dosage.

★☆☆ LOW WORKABLE
Can work in some conditions. Bench test required.

NOT RECOMMENDED
A different grade will perform better. Pick a higher-rated option.

	ZapZorb Premium	ZapZorb Fines	ZapZorb OA	ZapZorb P2	ZapZorb P6
Water-based sludge and slurries Biosolids, lagoon cleanouts, industrial sludge	★★★	★☆☆	Not Recommended	★★☆	★★★
CCR and coal ash residuals Ponded ash, saturated fly ash, settling basin solids	★★★	★☆☆	Not Recommended	★☆☆	★☆☆
Drilling mud and HDD fluid Water-based drilling mud and HDD returns	★★★	★☆☆	Not Recommended	★★☆	★★★
Tunnel muck TBM muck and micro-tunnel spoils	★★★	★☆☆	Not Recommended	★☆☆	★★☆
Aqueous spills and emergency response Fast cleanup where every minute counts	★★☆	★★★	Not Recommended	Not Recommended	★★☆
Oily sludge, mud and drill cuttings* Mixed oil and water streams	★★☆	★☆☆	★★★	★☆☆	★★☆
Industrial waste streams e.g. organics, hydrocarbons and similar	Not Recommended	Not Recommended	★★★	★☆☆	★☆☆
Free oil, grease and solvents Spills, crude tank bottoms, oil residues	Not Recommended	Not Recommended	★★★	Not Recommended	Not Recommended

May require the use of ZapZorb OA along with another ZapZorb product for best results. Contact a representative for support.

HOW TO USE THIS CHART

1. FIND YOUR WASTE STREAM
Pick the row that best describes what you need to solidify.

2. START WITH A BEST FIT
It delivers the lowest dosage and the fastest result for that stream.

3. CONFIRM WITH A BENCH TEST
Salt, pH extremes and mixed contaminants can shift performance. Our treatability lab will dial in the dosage.

Every waste stream is different.

Send us a sample or your waste profile and we will recommend the right grade and dosage for your site.

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Ratings are general guidance based on typical waste properties and published product data. Technical information is based on current knowledge and is offered to inform and assist the customer; it is not a specification. Values are typical and not guaranteed. The customer is responsible for verifying suitability of the product for its intended use and for compliance with applicable laws and disposal requirements. Refer to product Technical Data Sheets and Safety Data Sheets before use. Chase Corporation makes no warranties, express or implied, including merchantability or fitness for a particular purpose, except as set out in a signed written agreement.