



24 Hour Emergency Number  
(Chem-Tel) 800.255.3924 in US  
or ++813.248.0513

Toll Free 877.877.2526

info@ledizolv.com

ledizolv.com

- distributors
- technical information
- free samples
- new developments



## LEDIZOLV® Lead Specific Cleaner

- Highly concentrated LEDIZOLV removes lead contaminated dust on any surface — yet it has a mild pH, is phosphate-free, and completely biodegradable.
- As a result of extensive research and development, LEDIZOLV is a liquid, phosphate free, lead dissolving, controlled foam anionic detergent.
- Even at ambient temperatures, LEDIZOLV has outstanding metal-ion solubilizing properties at concentrations as low as 2%.
- Although highly concentrated, LEDIZOLV has a mild pH, excellent health, safety and handling characteristics and is biodegradable and readily disposable.

**LEDIZOLV reduces costly clearance-testing failures.** Unlike tri-sodium-phosphate (TSP) detergents, LEDIZOLV is free rinsing. While TSP actually precipitates lead, it won't solubilize or hold it in solution, while LEDIZOLV will emulsify and encapsulate all metal ions in solution. TSP is also highly alkaline with a pH over 12 and its residue can drastically decrease the adhesion properties of encapsulants. LEDIZOLV has been formulated to exhibit very high complexing, sequestering and metallic-ion solubilizing with many di-valent, tri-valent and tetra-valent metallic ions, combined with excellent hard surface detergency.

As a result, LEDIZOLV helps reduce clearance-testing failures, eliminating additional costs for re-cleaning and re-testing as well as re-occupancy delays.

In addition, LEDIZOLV's zero phosphate level and near neutral pH reduce disposal difficulties.

And, as a hard-surface cleaner LEDIZOLV exhibits good wetting, emulsifying, sequestering, chelating, soil deflocculating and rinsing properties to reduce additional environmental concerns in lead abatement.

**Directions:** Make a fresh 2% solution (5 tbsp. per gal., 2.5 oz. per gal. or 20 ml per liter) in warm water. Clean by wet mop or spray on application. RINSE THOROUGHLY with clean water. Used on a wide range of glass, ceramic, plastic, tile, concrete, gypsum board, plaster, wood, vinyl, metal surfaces.

Convenient Sizes	LSZ Cat. #
16 oz (0.47L)	90116
Case of 25 x 16oz (25 x 0.47L)	90216
1 gal (3.8L)	90101
Case of 4 x 1 gal (4 x 3.8L)	90104
5 gal Jerrycan (19L)	90501
15 gal drum (57L)	91501
55 gal drum (208L)	95501



One gallon of concentrate makes 50 gallons of diluted solution. One gallon of diluted solution remediates 200 sqft porous surface, or 400 sqft smooth surface.

LSZTB.1



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Physical Data	Typical Value
<b>pH</b> (as is, and at 1 – 2%)	5.3 – 5.4
<b>Specific gravity</b> (g/ml)	1.08
<b>Surface Tension 1% Sol'n</b> (dyne/cm)	34
<b>Form</b>	Liquid
<b>Color</b>	Pale yellow
<b>Solubility in Water</b>	Completely soluble in all preparations
<b>Biodegradability</b>	Biodegradable
<b>Foam Tendency</b>	High Foaming
<b>Shelf Life</b>	Two years from manufacture month
<b>Fragrance and Dye Content</b>	0%
<b>Phosphate Content</b> (as phosphorus)	0%
<b>Flash Point</b> (degrees F)	Non-flammable
<b>Density</b> (lbs/gal)	8.98

### Health Safety Information

<b>OSHA Hazardous Ingredients</b>	None
<b>RCRA Hazard Class</b>	Nonhazardous
<b>EPA Priority Pollutants</b>	None
<b>DOT Hazard Class</b>	Nonhazardous
<b>Flammability</b>	Nonflammable
<b>Latex Content</b>	None in detergent, packaging materials or adhesives.
<b>Eye Irritation</b>	Mild to Moderate eye irritant if not rinsed
<b>Oral Toxicity</b>	LD50 >5000 mg/kg (Rat, Oral)
<b>Inhalation Toxicity</b>	Non-irritating
<b>VOC Content</b>	0%
<b>RoHS</b>	No RoHS hazardous ingredients
<b>Carcinogenicity</b>	<b>NTP</b> = No <b>IARC</b> = No <b>OSHA</b> = No

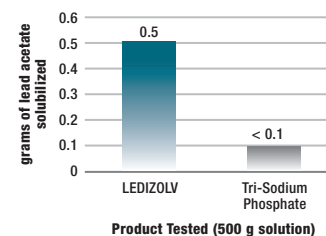
All ingredients in LSZ are listed in TSCA inventory.

### Precautions

No special precautions other than good industrial hygiene and safety practices employed with any industrial chemical (see Directions). A Safety Data Sheet is available at [www.ledizolv.com](http://www.ledizolv.com) or by calling 914.948.4040 and asking for the SDS prompts. The LEDIZOLV catalog number starts with 9.

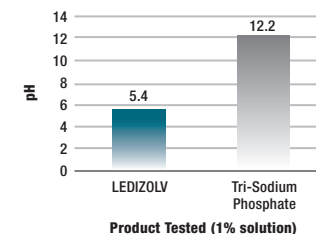
Contact LSZ, Inc. for purchase specifications. Information presented is typical. Not to be taken as specifications. Typical data is not a specification.

**LEAD SOLUBILITY**



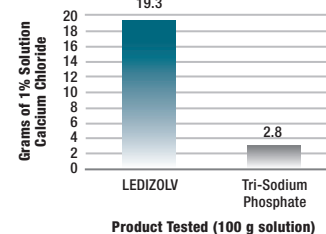
LEDIZOLV solubilizes lead, unlike TSP-based solutions, which form an insoluble precipitate, lead phosphate.

**pH COMPARISON**



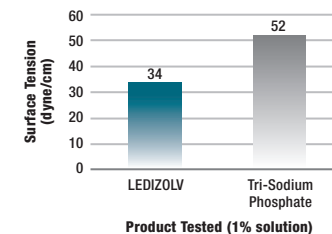
At 1–2%, LEDIZOLV has a pH of approximately 5.4, making it near neutral. Solutions require little or no pH adjustments prior to disposal.

**HARDNESS ION TOLERANCE**



LEDIZOLV possesses sufficient water softening properties to maintain its capacity to remove lead, even when mixed with hard water.

**SURFACE TENSION**



LEDIZOLV has a lower surface tension than TSP solutions. This allows for more even and effective coverage on a given surface.

While the information in this report should not be considered to be a product warranty, we urge you to investigate, test and verify the suitability of LSZ detergents for your specific application. We, of course, cannot give permission to use, or recommend the use of, our detergents where they infringe patents.

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